



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, March 19, 2014

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

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

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

1. Review and Approve MetroTAC Action Minutes for the Meeting of [February 19, 2014](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **ACTION** – Consideration and Possible Action to Recommend Approval of South Bay Water Reclamation Plant - Demineralization Project (**Attachments to be provided at meeting**) (Mark Nassar, Quann Hwang)
4. **ACTION** – Consideration and Possible Action to Recommend Approval of Pt. Loma Digesters Roof System Replacement and Repairs Project (**Attachment**) (Tung Phung)
5. Review of Padre Dam/North City Adjustment (**Attachment**) (Edgar Patino)
6. SDG&E CPUC Filing Regarding Modifications to Peak Hours (**Attachment**) (Greg Humora)
7. Metro Wastewater Update (Standing Item)
8. Metro Capital Improvement Program and Funding Sources (Standing Item) (**Attachment**) (Guann Hwang)
 - CIP Quarterly Report
9. **PRESENTATION** -Salt Creek Diversion Business Case Evolution (**Attachment**) (Vien Hong)
10. MetroTAC Work Plan (Standing Item) (**Attachment**)
11. Financial Update (Standing Item) (Karyn Keese)
 - JPA Mid-Year Financial Update (**Attachment**)
12. Point Loma Permit Renewal (Standing Item) (**Attachment**)
13. Review of Items to be Brought Forward to the next Metro Commission/Metro JPA Meeting (**March 6, 2014**)
14. Other Business of Metro TAC
15. Adjournment ([To the next Regular Meeting, April 16, 2014](#))

Metro TAC 2014 Meeting Schedule

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

AGENDA ITEM 1
February 19, 2014
Action Minutes

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

ACTION MINUTES

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

MEETING ATTENDANCE:

Greg Humora, La Mesa
Al Lau, Padre Dam MWD
Dennis Davies, El Cajon
Dan Brogadir, County of San Diego
Tom Howard, Poway
Rita Bell, Otay WD
Stephen Beppler, Otay WD
Roberto Yano, Chula Vista
Eric Minicilli, Del Mar
Ed Walton, Coronado
Ann Sasaki, City of San Diego

Lee Ann Jones-Santos, City of San Diego
Guann Hwang, City of San Diego
Peggy Merino, City of San Diego
Edgar Patino, City of San Diego
Tung Phung, City of San Diego
Gabriel Torres, City of San Diego
Brian Vitelle, City of San Diego
Karyn Keese, Atkins
Laura Bonich, NV5

1. Review and Approve MetroTAC Action Minutes for the Meeting of January 15, 2014

Tom Howard moved approval of the January 15, 2014 minutes. The motion was seconded by Dennis Davies and the minutes were approved unanimously.

2. Metro Commission/JPA Board Meeting Recap (Standing Item)

- Commissioner Peasley of Padre Dam Municipal Water District volunteered to join in the PUD strategic planning process.
- Paula de Sousa reported SDG&E made a filing at the PUC to shift peak hours to later in the day, from 2 p.m. to 9 p.m. during the summer defined as May to October, and 5 p.m. to 9 p.m. during the winter. This could have a significant impact on solar customers as well as public agencies. This will be closely monitored and she encouraged the Commissioners to speak with their respective staff to make sure they were mindful of this and do what they can to stop SDG&E from doing this.
- The Commissioners had a lengthy discussion on the Pure Water Program update. Quite a bit of the discussion centered on public outreach to the County Water Authority. Leah Browder will be preparing a public outreach plan for the Water Authority and will bring it to the next Metro Commission Meeting.

3. ACTION: Consideration and possible action to recommend approval of South Bay Water Reclamation Plant – Demineralization Project

The South Bay Water Reclamation Plant is experiencing increased chloride levels that require corrective action. Currently there are two trailer mounted EDR units that are not needed at the North City Water Reclamation Plant. This project would move the two trailer mounted EDR's to the South Bay Plant and permanently install them to provide for the additional treatment necessary to stay within permit limits for recycled water production. The cost increase from the construction estimate to the low-bid was discussed, especially the increase in the soft costs. The engineer's estimate for the design-build contract was \$2,194,000. Due to the project's electrical,

chemical, required site modifications and overall complexity, the low bid came in at \$3,888,562. This is \$1,694,562 over the estimate. Subsequent soft cost and contingency adjustments increased the overall cost by \$2,694,562. TAC asked for further explanation on why permitting was \$200,000; what was included in miscellaneous for \$348,189; why soft costs had increased from \$986,033 to \$1,785,133. San Diego provided additional information on each of these items and the statement that the cost estimate had grossly underestimated the actual scope of work and the complexity of the project. On a motion by Chairman Humora, seconded by Dan Brogadir, Metro TAC unanimously approved moving this project forward to the Metro Commission/JPA for their review and potential approval.

4. ACTION: Consideration and possible action to recommend approval of sponsorship by the JPA for \$1,000 for the Water Reliability Coalition.

Chairman Humora provided background information on the San Diego Water Reliability Coalition (WRC). At the end of March the WRC is hosting a reception honoring water reuse leaders and advocates and is looking for sponsors. Special guests will include Congressman Scott Peters and San Diego Councilman Todd Gloria, two instrumental political figures in the support for the secondary equivalency and indirect potable reuse efforts. Metro JPA Chair Cheryl Cox has suggested that the JPA should support this effort at the \$1,000 level. On a motion by Tom Howard, seconded by Dan Brogadir, Metro TAC unanimously approved moving this project forward to the Metro Commission/JPA for their review and potential approval. This will also be reviewed by the Finance Committee at their February meeting.

5. ACTION: Consideration and possible action to recommend approval of Reimbursement Agreement for Administrative Support By and Between the City of San Diego and Metro Wastewater Joint Powers Authority (Effective April 11, 2014)

Karyn Keese reviewed the Agreement for the Committee. Since the Metro Commission is a formal Commission of the City of San Diego, San Diego reimburses the JPA for the expenses associated with its support. This is a four-year agreement and the only changes to the prior agreement is a change in the term from five-years to four years, the end date, and a 5% increase in the hourly rate for Lori Peoples. On a motion by Al Lau, seconded by Roberto Yano, Metro TAC unanimously approved moving this project forward to the Metro Commission/JPA for their review and potential approval. This will also be reviewed by the Finance Committee at their February meeting.

6. ACTION: Consideration and possible action to recommend approval of Agreement for Administrative Support Services by and between the Metro Wastewater Joint Powers Authority and Lori Anne Peoples (Effective April 11, 2014)

Karyn Keese reviewed the Agreement for the Committee. This is the companion agreement to Item 5 to provide support services for facilitation of monthly Metro JPA, Metro JPA Committees, Metro Commission and Metro TAC meetings. This is a two-year agreement and the only changes to the prior agreement is a change to the end date so that the next renewal will become part of the JPA's normal budgetary process (renewing in July instead of April) and a 5% increase in the hourly rate for Lori Peoples. On a motion by Ed Walton, seconded by Dennis Davies, Metro TAC unanimously approved moving this project forward to the Metro Commission/JPA for their review and potential approval. This will also be reviewed by the Finance Committee at their February meeting.

7. Metro Wastewater Update

- Edgar Patino discussed that the Muni Transportation Rate has been reviewed by in-house engineering staff and some adjustments have been made. The new rate will be brought to the MetroTAC subcommittee within the next month for review.

8. Metro Capital Improvement Program and Funding Sources (Standing Item)

- PUD staff will present the Quarterly Report next month

9. MetroTAC Work Plan

The work plan will include the "Point Loma Permit/Potable Reuse Key Milestone Dates" in the future to keep all members up to date on the status of the AdHoc Committee's actions. A copy of the 2/19/2014 update is included with the work plan for February.

10. Financial Update

The PA's attorney group met on the Padre Dam issue on January 23rd. Each MetroTAC member was encouraged to contact their attorney to see what is needed to move forward in resolution of this issue.

11. Point Loma Permit Renewal

Chairman Humora reported on the positive progress over the last month in working with PUD staff and the environmental community. The current concept is that the next waiver permit may define what we plan to do moving forward. The PUD staff has a meeting on March 5th with EPA to discuss the Pure Water Program Plan and how it impacts the waiver application. The AdHoc and PUD staff has started meeting on preliminary cost allocation structures for the Program. Once the cost allocation structures are determined costs and cost allocations will be associated with them.

12. Review of Items to be Brought Forward to the next Metro Commission/Metro JPA Meeting (March 6, 2014)

Items 3 to 6 in addition to the NV5 presentation discussed under Item 13 will move forward to the Metro Commission/JPA at their March meeting. Items 4 to 6 will be reviewed prior to the Metro Commission/Metro JPA March meeting by the Finance Committee.

13. Other Business of Metro TAC

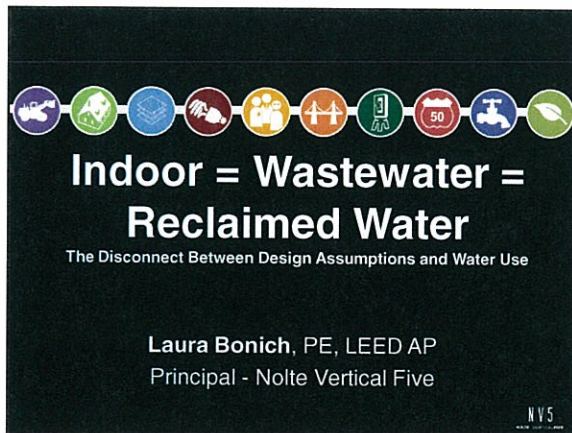
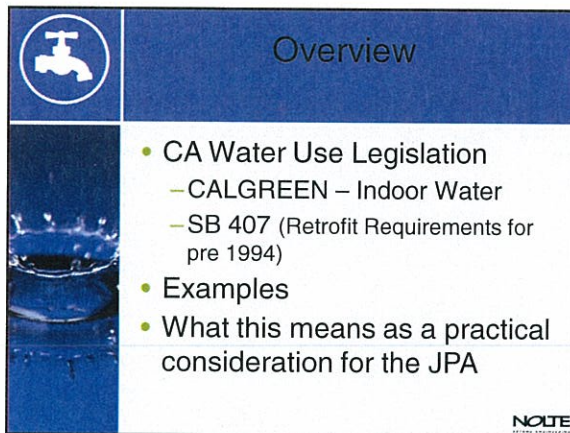
Chairman Humora introduced Laura Bonich of NV5 who gave a presentation entitled "Indoor=Wastewater=Reclaimed Water...The Disconnect between Design Assumptions and Water Use". (A copy of this presentation is included as Attachment A to these minutes). The major points from this presentation were:

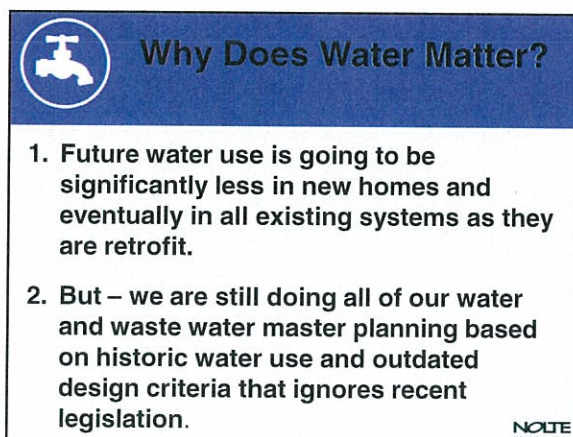
- Existing water and wastewater infrastructure can serve more development with already constructed infrastructure capacity
- Retrofit creates capacity in existing systems
- New water and wastewater infrastructure can be smaller and/or each phase and ultimate build out can be smaller
- Wastewater treatment – same solids; 20% less liquids
- Reclaimed water will be less

Metro TAC members agreed that this presentation should be given to the Metro Commission/JPA at their next regular meeting.

12. Adjournment (To the next Regular Meeting, March 19, 2014)

ATTACHMENT A

[illegible]

[illegible]



Water

What's Changed in California?



CALGreen Residential Water Requirements

- **Indoor water use:** 20 percent reduction from baseline

SB 407 – Retrofit Pre 1994 homes

- January 2014 – all building alterations
- **January 2017** – seller or transferor of single-family residential disclose to purchaser requirement to **replace plumbing fixtures**
- January 2019 – all noncompliant fixtures in multi-family be replaced

NOLTE

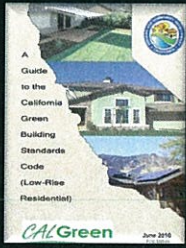


Water Efficiency Benchmarks

Water Resources

- CALGREEN – 20% (State of CA title 24)
- EPA Water Sense – 20%
- LEED for Homes – 20%

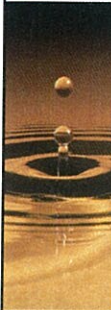






CALGreen

Residential Water Requirements



Indoor water use

- Goal: 20 percent reduction from baseline
- Voluntary goals: 30, 35 and 40 percent reductions

Prescriptive Method:

- Plumbing fixtures requirements
 - 2.5 to 2.0 gpm showerheads
 - 2.2 to 1.8 gpm kitchen faucets and 1.5 gpm bathroom
 - 1.6 to 1.28 gal/flush toilets

OR

Performance Method:

- Demonstrate baseline water use is reduced by 20%

NOLTE

Historical Indoor Water Usage

	1975	1990	2008	2011
Shower (gpm)	40,880	29,200	29,200	23,360
Toilets (gpf)	21,900	15,768	7,008	5,606
Kitchen and Lavatory Faucets	17,338	17,338	15,257	12,483
Clothes Washer	12,000	12,000	7,650	5,400
Total Water Use	92,118	74,306	59,115	46,849
Reduction		19%	20%	21%

Fixture and Appliance Standards Over Time

	1975	1990	1992	2008	2011
Shower (gpm)	3.5	2.5	2.5	2.5	2.0
Toilets (gpf)	5.0	3.6	1.6	1.6	1.28
Faucets (gpm)	2.5	2.5	2.5	2.2	1.8
Clothes Washers (gal/cu. Ft.)	15	15	15	8.5	6

Table 1. Flow Rate of Fixture Over Time

Residential Water Use Comparison

Existing, New, CALGreen

Category	Older Existing Homes (1999 Residential End Uses of Water)	Baseline New Homes (2011 Analysis of Water Use in New Single Family Homes)	CALGREEN Homes (2011 Analysis of Water Use in New Single Family Homes)	CALGREEN Homes (2011 Analysis of Water Use in New Single Family Homes)
	Average Gallons per Household Per day (gphd)			
Toilet	45.2	27.5	16.2	16.2
Clothes Washer	39.3	28.9	28.9	11.9
Shower	30.8	29.9	34.3	34.3
Faucet	26.8	25.2	18.1	18.1
Leak	21.9	19.7	19.2	19.2
Other	7.4	3	0.4	0.4
Bathub	3.2	3.5	3.1	3.1
Dishwasher	2.5	1.9	1.6	1.6
Total gphd	177	140	122	105

Many Studies Confirm Rates (gallons per person per day)

CA Building Industry Assoc 40 gppd

EPA Water Sense 39 gppd

American Water Works Assoc 43.5 gppd

Tampa Bay Water District 38.9 gppd

CALGREEN - Use 40 GPPD for Wastewater planning for ALL New Development



Retrofit of Pre-1994 Existing Homes



SB 407 – Pre 1994 homes

- January 2014 – all building alterations
- January 2017** – seller or transferor of single-family residential disclose to purchaser requirement to **replace plumbing fixtures**
- January 2019 – all noncompliant fixtures in multi-family be replaced

NOLTE



What About the Retrofit Requirement??



- Pre 1970's House** – 38,700 gallons/year
- Pre 1980's House** – 28,000 gallons/year
- Post 1994** – 10,000+ gallons/year

Reduce future wastewater flows for EXISTING pre 1994 development starting in 2017

NOLTE



Case Study Yokohl Ranch - Visalia, CA



10,000 units (8,800 SF; 1,200 MF w/20% senior, 2 golf courses)
All Single Family lots are 8,000 sq ft and irrigated with potable water)

	CALGREEN		
	2010 ac-ft/yr	2013 ac-ft/yr	Decrease %
Potable Water Demand	5,443	4,933	9.4%
Non-Potable Demand	<u>4,308</u>	<u>2,141</u>	50%
Total Demand	9,751	7,074	27.5%
Reclaimed Water Offset	<u>3,161</u>	<u>1,723</u>	45.5%
Water Supply Needed	6,590	5,351	18.8%

NOLTE

Water Resources



City of Manteca Wastewater Master Plan

- Convinced City to reduce waste water generation assumptions by 50% for all new development based on GALGREEN legislation
- Prepared cost estimates and new City sewer impact fees

**Reduced wastewater infrastructure
FIP from \$87.3 to \$48.2 million**

NVS

Water Resources



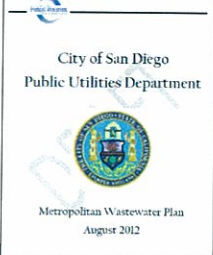
Typical Water Demand Factors (gallons per unit per day)

City	Water Demand	CALGREEN	Difference	Percentage oversized
Lodi	537	305	232	43%
Tracy	462	305	157	34%
Lathrop	290	305	-15	-5%
Riverbank	525	305	220	51%
Stockton			0	
Sacramento			0	
Manteca	290	305	-15	-5%
Vacaville	460	305	155	34%
San Joaquin County	450	305	145	32%
Mountain House	450	305	145	32%
Sanctuary	225	305	-82	-37%
Tracy Hills	450	305	145	32%

NVS

Water Resources

Why is any of this a consideration for the JPA?

NVS

City of San Diego PUD Metropolitan Wastewater Masterplan 2012

The comparison of 2003 MWP to 2012 MWP UGR and SANDAG population projections is summarized in Table ES-1 below.

Table ES-1
2012 METROPOLITAN WASTEWATER PLAN
UGR and SANDAG Comparison

		2003 MWP	2012 MWP	% Difference from 2003
UGR	Residential	75	72.1	-4%
	Employment	23.6	22.3	-6%
SANDAG Regional Growth Forecast	Residential	Series 9	Series 12	-8%
	Employment			-1%

The decrease of the projected population and UGR has resulted in a decrease of projected flow by approximately 11% from the 2003 MWP to the 2012 MWP.

City Of San Diego PUD Sewer Design Guide Feb 2013

Daily Per Capita Sewer Flow: The sewer flow for the equivalent population shall be **80 gallons per capita per day** (gpcd).

Average Dry Weather Flow (ADWF): Equivalent populations shall be used to calculate the average dry weather flow. The average dry weather flow for each sewer main reach (manhole to manhole) shall be determined by multiplying the total accumulated equivalent population contributing to that reach by **80 gallons per capita per day**:

Average Dry Weather Flow = (80 gpcpd) x (Equivalent Population)

page 1-7

Metropolitan Wastewater Plan 2012

1.3.1 Flow and Load Projections

Per capita wastewater flows have been declining since the early 1990s which primarily reflects the success of the regional water conservation programs implemented in response to drought conditions and the increasing cost of potable water. Today's UGR is considerably low; any further water conservation such as state legislative requirement would have more significant effects on the exterior water usage than domestic water usage. (page 1-4)

e) Per planning purposes, flow projections in this report used the highest UGRs observed within the past 5 years. (page 2-2)

6

Water Resources



Why Does This Matter??

Conservative assumptions for Wastewater flows significantly overstate the amount of Recycled Water that will be available

Water Resources



Considerations for Wastewater Infrastructure Planning – Get real or at least in the ball park

1. **Existing Flows:** Make realistic assumptions about existing flows (avoid overestimating reclaimed water)
2. **Future Flows:** Project future flows for new development based on CALGREEN (40 not 72 gppd) and reduce assumptions for future flows from existing development based on SB407 Retrofit requirements (72 now but 40 gppd with retrofit)

Water Resources



Less Indoor = Less Wastewater = Less Reclaimed Water

As a practical matter this means:

1. Existing water and wastewater infrastructure can serve more development with already constructed infrastructure capacity
2. Retrofit creates capacity in existing systems
3. New water and wastewater infrastructure can be smaller and/or each phase and ultimate buildout can be smaller
4. Wastewater treatment – same solids; 20+% less liquids
5. Reclaimed water will be significantly less



Questions ?



Laura Bonich PE,
LEED AP
NV5

AGENDA ITEM 4

Pt. Loma Digesters Roof System Replacement & Repairs Project

**METRO JPA/TAC
Staff Report**

Subject Title: Point Loma Digesters Roof System Replacement and Repairs

Requested Action: Authorizing the expenditure not to exceed \$757,595 from Metro Sewer Fund 700001, to Brazos Urethane Inc., for the repair and replacement of the five digesters roofing system at Point Loma Wastewater Treatment Plant.

Recommendations: Approval

Metro TAC:

IROC:

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

N/A

Fiscal Impact: Total estimated cost for this construction contract is \$757,595. Funds are available in the FY14 Metro Sewer Utility Fund 700001.

Is this projected budgeted? Yes ☒ No ☐

Cost breakdown between
Metro & Muni: \$757,595 (100% Metro)

Financial impact of this
issue on the Metro JPA: \$253,795 (33.5% Metro JPA)

Capital Improvement Program:

New Project? Yes ☐ No ☒

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

Comments/Analysis:

Previous TAC/JPA Action:

Additional/Future Action:

City Council Action:

AGENDA ITEM 5
Padre Dam/North
City Adjustment

City of San Diego
Master Summary Reconciliation
Adjustment By Type and Fiscal Year

FY 2004		FY 2003		FY 2002		FY 2001		FY 2000		FY 1999		FY 1998	
Padre Dam	North City	Padre Dam	North City	Padre Dam	North City	Padre Dam	North City	Padre Dam	North City	Padre Dam	North City	Padre Dam	North City
\$94,998	\$9,797	\$111,074	\$123,732	\$79,738	\$237,272	\$58,184	\$192,408	\$38,286	\$176,132	\$56,012	N/A	\$16,120	N/A
\$9,736	\$1,342	\$11,001	\$15,068	\$8,685	\$30,528	\$6,998	\$27,234	\$4,651	\$25,091	\$10,291	N/A	\$3,116	N/A
\$4,546	\$424	\$5,304	\$5,485	\$4,334	\$11,715	\$3,311	\$9,613	\$2,050	\$8,710	\$3,706	N/A	\$1,224	N/A
\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	N/A	\$0	N/A
\$41,222	\$4,833	\$48,878	\$59,260	\$42,410	\$127,084	\$33,543	\$109,433	\$23,696	\$105,384	\$44,026	N/A	\$12,425	N/A
\$12,567	\$1,401	\$13,675	\$16,018	\$10,913	\$32,810	\$8,175	\$26,914	\$5,559	\$26,140	\$11,967	N/A	\$3,395	N/A
\$23,629	\$2,891	\$27,412	\$34,319	\$20,917	\$68,160	\$15,234	\$55,122	\$10,974	\$56,120	\$22,938	N/A	\$7,615	N/A
\$16,548	\$1,850	\$18,764	\$21,846	\$15,875	\$47,759	\$12,620	\$40,014	\$8,878	\$39,839	\$16,699	N/A	\$4,984	N/A
\$11,884	\$1,437	\$12,762	\$15,841	\$10,899	\$34,177	\$8,308	\$30,109	\$5,723	\$28,819	\$10,273	N/A	\$2,841	N/A
\$29,415	\$3,106	\$33,207	\$37,590	\$27,425	\$80,848	\$20,551	\$66,603	\$14,046	\$62,517	\$27,531	N/A	\$5,854	N/A
\$10,212	\$317	\$11,256	\$7,107	\$8,774	\$14,696	\$6,701	\$12,473	\$3,506	\$10,706	\$6,464	N/A	\$1,083	N/A
(\$1,104,835)	\$2,055	(\$1,292,525)	\$27,686	(\$1,035,662)	\$57,559	(\$800,304)	\$46,396	(\$549,240)	\$42,354	(\$504,706)	N/A	(\$251,843)	N/A
\$17,763	\$2,197	\$19,858	\$24,895	\$16,117	\$52,853	\$12,146	\$43,125	\$8,407	\$41,614	\$16,800	N/A	\$5,130	N/A
\$31,196	\$72,597	\$39,047	\$47,307	\$29,489	\$90,436	\$20,971	\$70,465	\$16,201	\$73,172	\$71,913	N/A	\$12,019	N/A
\$3,920	\$527	\$4,437	\$5,892	\$3,629	\$12,467	\$2,627	\$9,811	\$1,896	\$9,822	\$4,773	N/A	\$1,157	N/A
\$797,196	(\$104,775)	\$935,853	(\$442,048)	\$756,454	(\$898,361)	\$590,938	(\$739,723)	\$405,364	(\$706,415)	\$201,313	N/A	\$174,880	N/A
(\$3)	(\$1)	\$3	(\$2)	(\$3)	\$3	\$3	(\$3)	(\$3)	\$5	\$0	\$0	\$0	\$0

AGENDA ITEM 6
SDG&E CPUC Filing
Regarding Modifications to
Peak Hours

[insert letterhead]

March ____, 2014

California Public Utilities Commission
Public Advisor
505 Van Ness Avenue, Room 2103
San Francisco, CA 94102
public.advisor@cpuc.ca.gov

Re: *A.14-01-027 – SDG&E Proposal to Shift Peak Times*

To Whom It May Concern:

I am writing to express my opposition to San Diego Gas & Electric Company's (SDG&E) proposal to shift peak energy times from 11:00 a.m. to 6:00 p.m. to 2 p.m. to 9 p.m. during the summer and 5 p.m. to 9 p.m. during the winter in its Application A.14-01-027. As an agency providing water [and/or] sewer services, our agency and its ratepayers will be uniquely and dramatically affected by the proposal as one of our largest operational costs is electricity. Our agency invested in solar as we saw an opportunity to reduce energy costs for our ratepayers and to provide additional then-peak power to the grid. Moving peak time away from maximum solar generating hours and reducing the overall amount of peak time jeopardizes the economic viability of our investment. In addition, modifying the peak times will require us to reorganize our operations, incurring additional costs that will be passed on to our ratepayers and shifting our energy usage to daytime hours. As such, we urge the California Public Utilities Commission (CPUC) to reject SDG&E's proposal.

SDG&E's proposal is simply another attempt by the utility to undermine public investment in renewable generation projects. In its latest general rate case, SDG&E unsuccessfully attempted to impose dramatic and illegal charges on customers operating under its DG-R tariff. Perhaps seeking an end-run around the CPUC's decision, SDG&E has proposed shifting peak hours away from maximum solar generating times and reducing the overall number of peak hours. This proposal is clearly an attempt by the utility to reduce the economic benefits provided to public agencies and others with renewable projects.

In fact, SDG&E has explained that its proposal is a response to the development of rooftop solar and other projects that have shifted its peak costs for procuring power to later in the day. SDG&E argues that this will create an incentive for customers to reduce power consumption after general 8:00 a.m.- 5:00 p.m. work hours. SDG&E notes that many businesses that are closed during the new peak hours will benefit from the switch.

Unfortunately, public water and sewer agencies are not normal businesses and will be uniquely affected by this proposal. At the urging of SDG&E, the CPUC and other energy stakeholders, water and sewer providers have historically conducted as many operations as possible during traditional, non-peak hours (i.e., at night and during weekends). Shifting peak hours will result in more energy usage by these agencies during the now, non-peak day. This

may stress the grid, especially during hot summer months when energy and water usage is at its highest.

In conclusion, our agency strongly opposing SDG&E's proposal to shifting peak times and requests that the CPUC reject A.14-01-027.

Sincerely,

AGENDA ITEM 8

CIP Quarterly Report



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: March 14, 2014

TO: Metro Technical Advisory Committee (Metro TAC)

FROM: Guann Hwang, Deputy Director, Public Utilities Department

SUBJECT: *FY2014 Capital Improvement Projects (CIP) – 2nd Quarter*

The Public Utilities Department hereby submits the FY2014 CIP updates for the period of October 1 to December 31, 2013.

This quarterly report includes dashboard information, project highlights, project change orders, and forecast and actual expenditures.

DASHBOARD INFORMATION

PROGRAM HIGHLIGHTS (Water and Wastewater)

✓ New Projects	6 Projects, \$35 Million
✓ Completed Preliminary Engineering	5 Projects, \$18 Million
✓ Completed 100% Design	21 Projects, \$51 Million
✓ Awarded Construction Contracts	12 Contracts, \$64 Million
✓ Completed Construction Contracts	3 Contracts, \$15 Million

Note: It is possible for project(s) to complete more than one phase listed above, and therefore be listed multiple times.

CIP PROJECT HIGHLIGHTS

WASTEWATER CIP PROJECT HIGHLIGHTS

Power Center 6 Transformer Enclosure and Switchboard Replacement Project

The Point Loma Wastewater Treatment Plant is located at 1902 Gatchell Road, San Diego, CA 92152. Power Center 6 is the most critical substation unit at the Point Loma Wastewater Treatment Facility as it supplies electrical power to the Plant Gas Utilization Facility and Effluent Outfall Channel Controls (North & South). Due to severe deterioration of the metal enclosures and internal components, serious safety and operational problems were revealed. This project involved the replacement of the transformer enclosure and the switchboard.

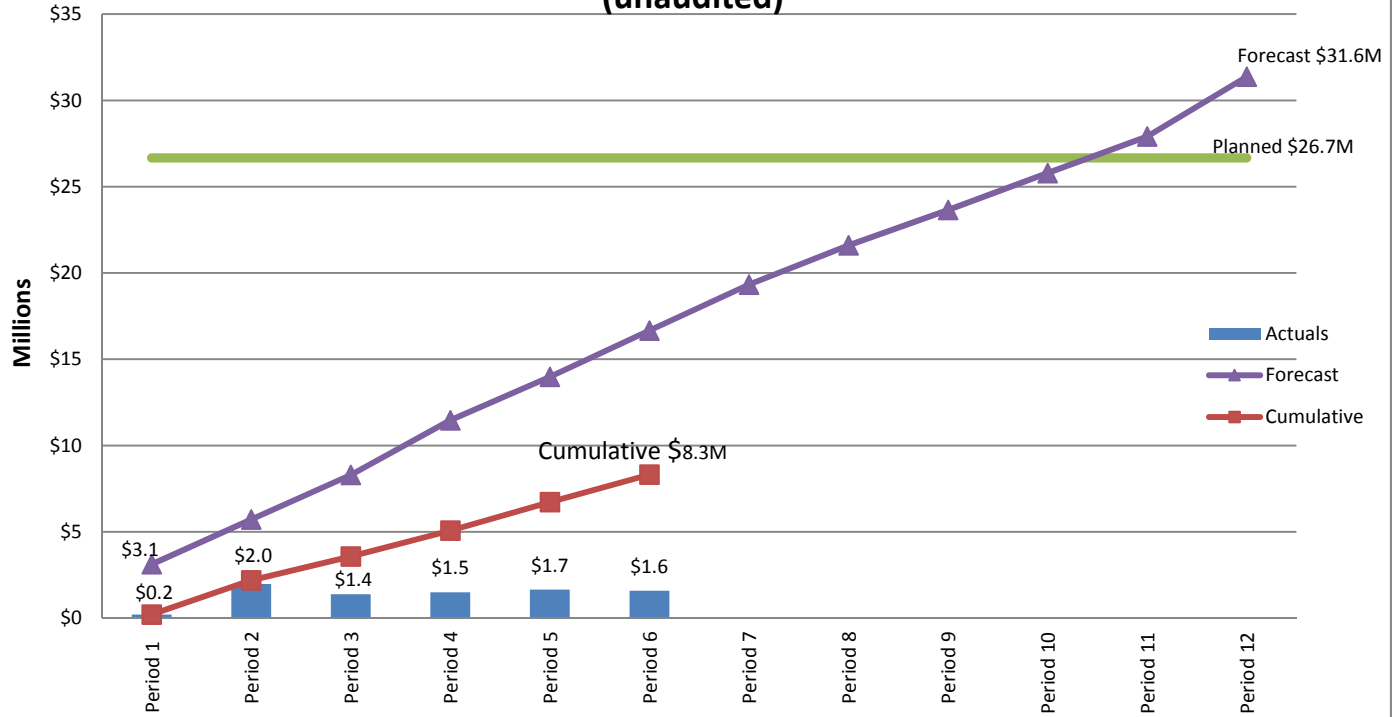


Point Loma Wastewater Treatment Plant

Construction started in May 2013 and was completed in October 2013.

The total project cost was approximately \$400,000.

**FY2014 Wastewater
Planned vs. Actual Expenditures
(unaudited)**



FY14 Change Order Log							
WBS	PROJECT TITLE	PREVIOUSLY AUTHORIZED PROJECT COST (ORIGINAL CONTRACT AMOUNT)	TOTAL CHANGE ORDER (CCO) AMOUNT TO DATE	ENGINEERING RELATED COSTS	REVISED TOTAL COST	CCO/ ORIGINA L TOTAL PROJECT COST %	DESCRIPTION
2nd QTR FY14 (10/01/-2013 - 12/31/2013)							
None.							
1st QTR FY14 (07/01/-2013 - 9/30/2013)							
None.							

FY14 IROC REPORT - SECOND QUARTER - WASTEWATER PROJECTS
SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS
As of December 31, 2013

NOTES:

- Projects are listed from highest to lowest revised project cost

- Wastewater projects are separated into Muni and Metro

- All post construction/completed projects are listed at the end of the schedule

-TBD are projects that are being implemented but have not yet established a baseline

* FY12 baseline being replace with Cost of Service Study (COSS) amount

Projects with \$1 mil or more in estimated project cost change (increase or decrease)

Projects six or more months behind schedule in design/construction phases

Projects on the radar

COSS = Cost of Service Study

BO/BU = Beneficial Occupancy/Beneficial Use (aka Substantial Completion)

Variance = difference between COSS BO/BU and ECP BO/BU in working days

A = Actual Milestone

CH = Project Charter in place

CA = Charter Amendment

P = New Charter. Project was in planning/scope was being defined.

WASTEWATER PROJECTS															Start Date	Planning/Design/Award Phase			Construction Phase			Project Charter/Amendment
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY14, Period 6)	Encumbrances at FY14 Period 6	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures /Revised Proj Cost)	COSS Final Design Approval - End	Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance									
	METRO FUNDED																					
S00315	* Point Loma Grit Processing Improvements	\$32,922,630	\$34,926,129	\$24,187,555	\$7,678,652	\$3,059,922	69.3%	1/18/00 A	9/30/2010	9/30/2010	0	12/17/2013	8/19/2014	180								
S00312	* PS2 Power Reliability & Surge Protection	\$31,200,000	\$31,200,000	\$1,032,240	\$1,125,651	\$29,042,109	3.3%	11/1/10 A	3/18/2015	6/22/2015	70	5/12/2017	5/12/2017	0								
S00339	* MBC Dewatering Centrifuges Replacement	\$12,000,000	\$11,442,554	\$1,988,186	\$4,576,655	\$4,877,713	17.4%	7/1/11 A	3/21/2012	3/21/2012	0	1/12/2016	11/12/2015	-45								
B00313	* PS 1&2 ELECTRICAL UPG & NEW BLDG AT PS2	\$9,935,000	\$9,935,000	\$9,281,310	\$767,767	-\$114,077	93.4%	11/1/06 A				3/4/2013	7/25/2014	373								
S00317	South Metro Sewer Rehabilitation Phase 3B	\$9,214,957	\$9,214,957	\$346	\$0	\$9,214,611	0.0%	TBD	12/8/2015	12/8/2015	0	11/22/2017	11/22/2017	0								
S00322	* MBC Biosolids Storage Silos	\$7,553,500	\$9,047,838	\$1,998,630	\$5,955,804	\$1,093,404	22.1%	3/1/2006	11/15/2012	11/15/2012	0	10/7/2014	12/1/2014	40								
S00314	* Wet Weather Storage Facility	\$7,272,127	\$7,272,127	\$2,325,985	\$12,000	\$4,934,142	32.0%	TBD	3/7/2016	3/7/2016	0	1/24/2018	1/24/2018	0								
B11025	Rose Canyon TS (RCTS) Joint Repair	\$6,233,000	\$6,233,000	\$58,750	\$0	\$6,174,250	0.9%	3/1/2009	3/13/2013	5/11/2015	579	8/27/2015	3/2/2017	406	Charter Only							
S00323	* MBC Odor Control Facility Upgrades	\$6,200,000	\$6,200,000	\$751,447	\$540,991	\$4,907,562	12.1%	12/1/10 A	11/19/2013	4/23/2014	114	11/12/2015	12/24/2015	31								
S00310	SBWR Plant Demineralization	\$3,279,133	\$5,973,695	\$181,063	\$2,100,000	\$3,692,632	3.0%	8/1/12 A	11/30/2012	11/30/2012	0	10/2/2013	12/24/2014	329	Amendment Only							
B10178	* MBC Chemical System Improvements Phase 2	\$5,070,000	\$4,446,000	\$856,043	\$305,642	\$3,284,314	19.3%	2/14/11 A	10/4/2013	6/26/2014	194	4/8/2015	12/24/2015	191								
B11139	* North City Cogeneration Facility Expansion	\$4,200,000	\$4,200,000	\$3,859,009	\$228,082	\$112,909	91.9%	5/18/11 A	12/16/2011	12/16/2011	0	3/26/2013	1/31/2014	228								
L100002	Ovation Upgrade at North City WRP	\$3,070,000	\$3,070,000	\$259,835	\$1,522,477	\$1,287,688	8.5%	10/23/09 A	3/22/2010	3/22/2010	0	6/5/2014	11/24/2014	126								
S00319	EMT&S Boat Dock & Steam Line Relocation	\$2,018,535	\$2,018,535	\$277	\$0	\$2,018,258	0.0%	7/1/2011 A	5/30/2014	5/30/2014	0	12/23/2015	12/23/2015	0								
B11098	W PTL Intercept & PS 2 FM Siphon Repair	\$1,500,000	\$1,500,000	\$36,484	\$0	\$1,463,516	2.4%	3/1/2010 A	12/24/2012	12/24/2012	0	6/30/2014	6/30/2014	0								
S00309	* NCWRP Sludge Pump Station Upgrade	\$636,294	\$636,294	\$334,024	\$64,074	\$238,197	52.5%	4/1/10 A	1/27/2012	1/27/2012	0	6/5/2013	6/16/2014	276								
B13227	Emergency Strobe Lights at MBC, NC, SB	TBD	TBD	\$11,903	\$0	TBD	TBD		TBD	TBD		TBD	TBD		Charter Only							
	POST CONSTRUCTION - METRO FUNDED																					
B10085	* PTL Sedimentation Basins Equip Refurbish	\$7,954,500	\$7,954,500	\$7,335,277	\$165,325	\$453,898	92.2%	4/1/10 A	5/6/2011	5/6/2011	0	5/2/2013	8/3/2013	68								
L100001	* Ovation Upgrade at Pt Loma Wastewater Trmt Plant	\$4,180,000	\$4,180,000	\$3,863,928	\$172,557	\$143,515	92.4%	10/23/09 A	3/22/2010	3/22/2010	0	2/6/2013	9/3/2013	153								
B00528	* MBC WATER SYSTEMS IMPROVEMENTS	\$1,179,355	\$1,179,355	\$1,242,549	\$61,934	-\$125,128	105.4%	5/26/09 A				2/13/2012	2/13/2012	0								
B11076	* PTLWTP PC 6 Transformer Cabinet & Switchboard Repl	\$400,000	\$400,000	\$364,671	\$0	\$35,329	91.2%	8/2/10 A	1/21/2011	1/21/2011	0	3/7/2013	6/13/2013	72								
B00316	* MBC ACCESS ROAD DRAINAGE IMPROVEMENTS (A	\$288,184	\$288,184	\$468,890	\$1,096	-\$181,802	162.7%	1/5/07 A	5/25/2011	5/25/2011	0	5/1/2012	5/1/2012	0								
	METRO/MUNI FUNDED																					
S12036	Backup Generators at Sewer PS's, TP, & EMTS	\$17,745,600	\$17,745,600	\$8,073,346	\$5,739,854	\$3,932,400	45.5%	9/9/11 A	9/23/2013	10/1/2013	6	10/30/2014	10/30/2014	0								

AGENDA ITEM 9
Salt Creek
Diversion Business
Case Evolution

Public Utilities Department

BCE Project Abstract

Title	Salt Creek Interceptor Flow Diversion								
Proponent	Pete Wong/Vien Hong								
Division	Engineering and Program Management								
Sponsor/Deputy Director	Guann Hwang								
Submission Date	2/25/2014								
Issue/Problem to be Addressed									
Issue: This BCE is to evaluate the cost and benefit of diverting wastewater flow from City of Chula Vista 42-inch Salt Creek Interceptor (SCI) to South Bay Water Reclamation Plant (SBWRP) for treatment. Currently, the wastewater flow in SCI is flowing to Point Loma Wastewater Treatment Plant (PLWTP) for treatment via South Metro Interceptor (SMI), Pump Station 1 and 2 (PS 1 and PS 2). The proposed diversion structure is located in City of Chula Vista at the intersection of Palm Avenue and Otay Valley Rd. Otay Water District (OWD) has been requesting additional recycled water to meet their peak demand. Flow Diversion Duration: The proposed flow diversion will cover over a 17 years period (2014-2030). The duration of the proposed flow diversion is defined based on the timing of 21-mgd South Bay Wastewater Treatment Plant (SBWTP). SBWTP and associated solid process facility, pump station and conveyance system are proposed in the 2012 Metropolitan Wastewater Plan to be online by 2030. The purpose is to offload PLWTP by rerouting the flow from SMI to SBWTP for treatment, which will be located adjacent to the existing SBWRP. Note that a 31-mgd SBWTP is proposed for installation in 2027 in the draft Pure Water Facility Plan. For the purpose of this analysis, the timeline in the 2012 Metropolitan Wastewater Plan is used. Flow Diversion Amount: Currently, the measured flow at SCI and SMI connection has an average of 3.5 mgd and it is projected to increase up to 6.5 mgd by the 2030. The proposed diversion structure is located at the upstream stretch of the SCI, which constitutes an average of approximately 3 mgd (existing) up to 6 mgd (year 2030). At the downstream side of the diversion structure, the Main St. Trunk Sewer (owned by City of Chula Vista) drains approximately 0.5 mgd to SCI, and the segments of SCI between Main St. Trunk Sewer and the diversion structure requires approximately 0.9 mgd (based on the minimum slope of the segment) to maintain the cleansing velocity. These flows are excluded from the proposed flow for diversion. The potential diverted flow is divided into three period as follows (See Exhibit 1): <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">Period</th><th style="text-align: center;">Diverted Flow</th></tr> </thead> <tbody> <tr> <td style="text-align: center;">2014-2019</td><td style="text-align: center;">2 mgd</td></tr> <tr> <td style="text-align: center;">2020-2024</td><td style="text-align: center;">3 mgd</td></tr> <tr> <td style="text-align: center;">2025-2030</td><td style="text-align: center;">4 mgd</td></tr> </tbody> </table>		Period	Diverted Flow	2014-2019	2 mgd	2020-2024	3 mgd	2025-2030	4 mgd
Period	Diverted Flow								
2014-2019	2 mgd								
2020-2024	3 mgd								
2025-2030	4 mgd								

Known Alternatives

Alternative 1 “Do Nothing”– This alternative is the existing condition where SCI flows to PLWTP for treatment. No capital cost incurs in this alternative, only the current O&M cost.

Alternative 2 “Divert 2-4 mgd from SCI to SBWRP” – This alternative requires capital and O&M costs for the duration of the diversion.

Key Factors to Consider

- Diversion is seasonal and only occurs during the summer to provide additional reclaimed water to customer.
- Additional capital and O&M costs may need to be borne by the JPA if flow diverted to SBWRP.
- Additional cost of sending the sludge to PLWTP for retreatment was not included in this BCE estimate.
- The ownership, O&M responsibility, liability of sewer overflow, and construction of the diversion structure should be determined before the construction.
- The City receives CWA incentive for the remainder of the total recycled water produced after selling to OWD. This cost, relatively minimal, is not included in this BCE estimate.
- Besides Metro facility costs, the additional Muni conveyance facility cost will incur, since the diverted flow will convey through Otay Valley Trunk Sewer (Muni facility). This cost is not included in this BCE estimate.
- Future Demineralization Facility power and maintenance costs are not available at this time and are not included in this BCE estimate.
- Diverted flow may possibly contribute an increased chloride and manganese level in production water. Currently, high level of chloride was experienced at SBWRP and notice of violation had been issued by RWQCB. The planned relocation of the EDR units from NCWRP to SBWRP will help to reduce these increases. More water quality sampling is recommended for the SCI flows.

Other Considerations

- As regional benefit:
 1. Offload PLWTP flow (but not solids)
 2. Maximize reclaimed water use

Comments

Of the know alternatives, it is recommended that the Alternative 1 “Do Nothing” should be selected. This alternative is a more cost effective solution and in the best interest of both City and JPA. Alternative 2 requires JPA bears the additional costs and liability. The cost of approximately \$9.4M will be shared among the Metro agencies over 17 years. If Alternative 2 is pursued then the following will need to be determined:

1. Cost allocation among San Diego (Muni and Metro) and the Participating Agencies.
2. O&M responsibility and liability of failure for the diversion structure throughout its lifecycle.
3. Continue operation of the diversion structure after SBWTP and associated conveyance system are online.

Alternative 1 “Do Nothing” (existing condition) NPV cost is \$7,807,389 (See Attached).

Alternative #1 - Year One Expenditure

Facility	Total Cost	Flows (MG)	Unit Cost per MG	2 MGD
PS 1	\$1,437,510	19,418	\$74	\$54,042
PS 2	\$6,216,671	53,186	\$117	\$85,326
PLWWTP	\$16,490,078	53,453	\$308	\$225,201
Capital Cost	\$0	-	-	\$0
Revenue (RW Sale)	\$0	-	-	\$0
Grand Total Cost (1st year)	-	-	-	(\$364,569)

Note:

- 1) The expenditure of each facility is based on the FY 2013 dollar
- 2) MBC cost for PLWTP sludge was not included in the analysis

Alternative 2 “Divert 2-4 mgd from SCI to SBWRP” NPV cost is \$17,167,358 (See Attached). This NPV cost included entire SBWRP O&M cost (influent to tertiary process) and revenue from the sale of reclaimed water produced and delivery.

In 2008, City of San Diego, Public Utilities Department issued to Brown and Caldwell a task order to perform design of a sewer diversion structure which included electrical and mechanical control for SCI at Otay Valley and Palm Avenue. The design was completed and provided to City of Chula Vista for the purpose of solicit construction bids in 2010. The construction bid resulted in the estimated cost of approximately \$800,000. The cost is escalated based on ENR CCI to 2013 dollars, which is approximately \$860,000.

Alternative #2 - Year One Expenditure

Facility	Total Cost	Flows (MG)	Cost per MG	2 MGD
ORPS	\$205,551	1,972	\$104	\$76,075
GAPS	\$463,009	2,929	\$158	\$115,416
SBWRP	\$4,473,043	2,938	\$1,522	\$1,111,239
Capital Cost	\$860,000	-	-	\$860,000
Revenue (RW Sale)	\$701,851	635	1074	\$701,851
Grand Total Cost (1st year)	-	-	-	(\$1,460,879)

Note:

- 1) The expenditure of each facility is based on the FY 2013 dollar
- 2) Revenue is based OWD agreement (expire 2027) of sale price (\$350/acr-ft) and meter charge (\$1,646/month)
- 3) Revenue is based on Recycled Water Produced (13% loss of treatment of 2 mgd)
- 4) Second year expenditure and beyond will decrease due to no capital expenditure

NPV Calculation Assumptions:

- Project construction start in 2014
- Escalation/Inflation Rate = 3%

- Discount Rate = 5%
- Period = 17 years (2014-2030)
- Revenue (constant) = \$350 per acre-ft (usage) plus \$1,646 per month (meter charge)
- Diverted flow was based on the availability of SCI

The NPV breakdowns are divided into three period as follows:

Period	Flow (mgd)	Alternative 1	Alternative 2	Variance
2014-2019	2	\$2,085,859	\$4,572,859	(\$2,486,999)
2020-2024	3	\$2,345,226	\$4,842,383	(\$2,497,158)
2025-2030	4	\$3,376,304	\$7,752,116	(\$4,359,968)
NPV Total	-	\$7,807,389	\$17,167,358	(\$9,359,968)

As shown above, the cost-benefit analyses as well as the NPV calculations provide sufficient evidence as to why implementing alternative 2 is not beneficial. The cost-benefit analysis shows a loss as well as the NPV is negative even revenue and PLWTP avoided costs considered. However, if this alternative is pursued, costs, reliability and O&M responsibility need to be determined.

Accounting (For Administrative use)

Funding: O&M_____ or CIP_____ CIP# _____ **Funding Year:** _____

Financing Plan Review: 10YR/RC **Version Date:** ____/____/____

Fund No.	Cost Center No.	G/L Acct. No.	WBS No.	Internal Order No.
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Analyst Review: _____ **Date:** ____/____/____

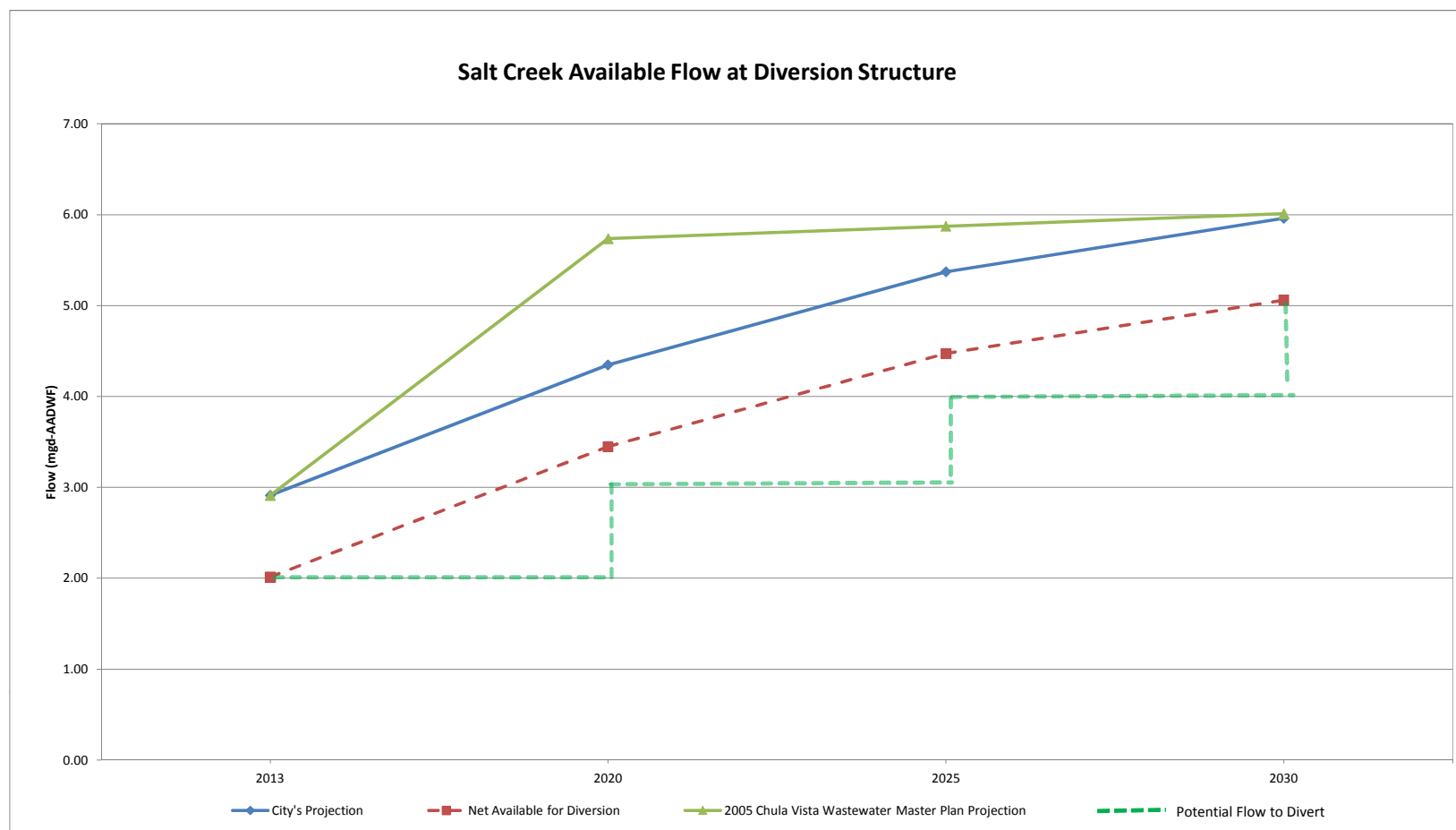
Approval/Signatures

Role	Name	Signature	Date
Sponsor Deputy Director	Guann Hwang		
Sponsor Assistant Director	Ann Sasaki		
USET Approval (Sponsor Assistant Director)			
Department Director	Halla Razak		

Tracking (For Administrative use)

BCE No.	Asset No. (Auditor's Use)	Completion Date	Final Cost	Asset Mgr Review

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From Summary Sheet:		Risk adjustments (+/- percent):										Public Utilities Department																			
Year of analysis	2014											Business Case Evaluation																			
Escalation rate	3%											Life Cycle Alternative Cost Analysis																			
Discount rate	5%											"Do Nothing" Alternative																			
Expressed in 2014 dollars, unescalated																															
		Year																													
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043
Capital Outlays																															
Benefits:																															
Benefit 1																															
Benefit 2																															
Benefit 3																															
Total benefits		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Annual Running Costs:																															
O&M (Treatment & Conveyance)		364,569	364,569	364,569	364,569	364,569	364,569	546,853	546,853	546,853	546,853	546,853	729,137	729,137	729,137	729,137	729,137	729,137													
Power																															
Chemicals																															
Compliance monitoring																															
Unexpected events																															
Other																															
Other																															
Total running costs		364,569	364,569	364,569	364,569	364,569	364,569	546,853	546,853	546,853	546,853	546,853	729,137	729,137	729,137	729,137	729,137	729,137	0	0	0	0	0	0	0	0	0	0	0	0	0
R&R Costs:																															
Pump refurbishment						0	0					0	0		0	0		0		0	0										
Site maintenance						0	0			0	0	0	0		0	0		0	0	0	0										
Other																															
Other																															
Total refurbishments		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Net Benefit		(364,569)	(364,569)	(364,569)	(364,569)	(364,569)	(364,569)	(546,853)	(546,853)	(546,853)	(546,853)	(546,853)	(729,137)	(729,137)	(729,137)	(729,137)	(729,137)	(729,137)	0	0	0	0	0	0	0	0	0	0	0	0	
Expressed in escalated dollars with sensitivity adjustments																															
Capital Outlays		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Benefits:																															
Benefit 1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Benefit 2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Benefit 3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total benefits		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Annual Running Costs:																															
O&M (Treatment & Conveyance)		364,569	375,506	386,771	398,374	410,326	422,635	652,971	672,560	692,737	713,519	734,925	1,009,296	1,039,575	1,070,762	1,102,885	1,135,972	1,170,051	0	0	0	0	0	0	0	0	0	0	0	0	
Power		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Chemicals		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Compliance monitoring		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Unexpected events		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Other		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total running costs		364,569	375,506	386,771	398,374	410,326	422,635	652,971	672,560	692,737	713,519	734,925	1,009,296	1,039,575	1,070,762	1,102,885	1,135,972	1,170,051	0	0	0	0	0	0	0	0	0	0	0	0	
R&R Costs:																															
Pump refurbishment		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Site maintenance		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</		

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AGENDA ITEM 10

MetroTAC Work Plan

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

MetroTAC Items	Description	Subcommittee Member(s)
JPA Website Update	5/13: The Metro TAC would like to update the current website as it is outdated. A review of the current website and its limitations will be on the Metro TAC agenda in the next couple months. 9/13: Greg & Karyn have been working with Vision Internet to finalize a scope of work and contract. These will go to the JPA for approval at their October meeting. 1/14: The contract has been negotiated and approved and Vision has started on the framework for the website.	Greg Humora Karyn Keese
PUD Industrial Waste Program Update	9/13: A performance audit was performed on the PUD's IWCP. The audit produced two findings and made 8 recommendations. PUD has hired Brown & Caldwell to perform a fee study and assist implementation of an updated program. A subcommittee of the Metro TAC was formed to work with PUD staff and the consultant.	Roberto Yano Ed Walton
Management of Non-Dispersibles in Wastewater	9/13: Eric Minicilli handed out a position paper prepared by the NEWEA. A copy is attached to this work plan.	Eric Minicilli
2013 Transportation Rate Update	5/13: PUD staff is proposing slightly revising the methodology and increasing the transportation rate. Subcommittee met with PUD staff on 6/12/13 to review calculations. 9/13: PUD staff is having the rate methodology reviewed by engineering staff. They should be meeting with Metro TAC subcommittee within the next month.	Al Lau Dan Brogadir Karyn Keese
PLWTP Permit Ad Hoc TAC	6/13: Ad Hoc created by JPA at their special June workshop. Goal: Create regional water reuse plan so that both a new, local, diversified water supply is created and maximum offload at Point Loma is achieved to support federal legislation for permanent acceptance of Point Loma as a smaller advanced primary plant. Minimize ultimate Point Loma treatment costs and most effectively spend ratepayer dollars due to successful coordination between water and wastewater agencies. Ad Hoc has been meeting all month and has developed a Concept Paper. Ad Hoc will be giving presentations to PAs City Councils/Board of Directors during July 2013. 9/13: Greg Humora, Leah Browder, and Scott Tulloch have given presentations to most of the governing bodies of the PAs in addition to meeting with environmental groups, San Diego staff and City Council members. A position paper, as well as a presentation, has been prepared. A resolution of support has been adopted by the governing bodies of the PAs. 1/14: The AdHoc outreach group continues to meet with stakeholders and City staff in development of the Program. <i>2/14: See Milestones attached to this work plan.</i>	Greg Humora Leah Browder Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese
IRWMP	Bob Kennedy attended the Regional Advisory Committee (RAC) meeting of April 3, 2013. Minutes from this meeting are attached. 6/5/13: Bob Kennedy attended Meeting #43. Minutes are attached to this work plan. The Final 2013 San Diego IRWM Plan has been completed and is available to download at http://sdirwmp.org/2013-irwm-plan-update . 1/14: Bob Kennedy continues to attend RAC meetings and reports back to Metro TAC.	Bob Kennedy Greg Humora
Fiscal Items	The Finance committee will continue to monitor and report on the financial issues affecting the Metro System and the charges to the PAs. The debt finance and reserve coverage issues have been resolved. Refunds totaling \$12.3 million were sent to most of the PA's. 10/26/11: 2010 will be the first year where the PAs will be credited with interest on the debt service reserve and operational fund balances. Interest will be applied as an income credit to Exhibit E when that audit is complete.	Greg Humora Karen Jassoy Karyn Keese

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

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

MetroTAC Items	Description	Subcommittee Member(s)
Salt Creek Diversion	9/2010: OWD, Chula Vista and San Diego met to discuss options and who will pay for project; Chula Vista and OWD are reviewing options. 2/2011: OWD and PBS&J reviewed calculations with PUD staff; San Diego to provide backup data for TAC to review. This option is also covered in the Recycle Water Study.10/26/11: Back-up information has still not been received from staff. 8/12: San Diego to conduct business case evaluation and add to Capital Improvement Program as recommend by Metro Commission to San Diego City Council on July 17, 2012 in support of the Recycled Water Study.	Roberto Yano Bob Kennedy Karyn Keese Rita Bell
Recycled Water Study Cost Allocation	A small working group was formed to discuss options to allocate PLWTP offset project costs among the water and wastewater rate payers; Concepts will be discussed at TAC and JPA Board in near future.7/12: Subcommittee to meet with PUD staff & consultants to review TM 8 and economic model.8/12: Subcommittee has meet with City staff and consultants. Economic model has been received. City will not pursue cost allocations until Demonstration Project is complete due to staffing constraints. 6/13: Ad Hoc TAC has started work on cost allocation concept.	Greg Humora Leah Browder Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese
Board Members' Items		
San Diego Wastewater 50 th Anniversary Celebration	5/13: Cheryl Lester presented the draft plan for the Anniversary celebration. She requested Metro Commission/JPA participation. Commission Parks will represent the Commission/JPA. 9/13: The celebration was a big success and was well attended.	Sherryl Parks
Rate Case Items	1/12: San Diego is in the process of hiring a consultant to update their rate case. As part of that process, Metro TAC and the Finance Committee will be monitoring the City's proposals as they move forward. 6/12: San Diego hired Black & Veatch as their rate consultant. 2/13: Preliminary results were reported at the IROC Meeting of 2/19/13. Karyn Keese will be working with the IROC Finance Committee to review details. 3/13: Karyn Keese attended a joint workshop with IROC to review the draft revenue requirement for the Rate Case. 4/13: Next meeting with IROC on the rate case is 5/20/13. 5/13: Next special meeting with IROC is June 24, 2013. 6/13: San Diego is only moving forward with Water Rate Case due to needed rate increase. Wastewater does not appear to need a rate adjustment for two years.	Karyn Keese
Exhibit E	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to Schedule E will come directly to the Board as they develop. 2/13: 2010 and 2011 audits are ongoing. 3/13: The 2010 audit is complete and has been presented to Metro TAC & the Finance Committee. Will move forward to Commission at 6/13 meeting. 2011 field work is complete. 2012 sample selected.9/13: 2012 preliminary fieldwork is complete. Waiting for PUD's answers to questions.	Karen Jassoy Karyn Keese
Future bonding	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to bonding efforts will come directly to the Board as they develop. 10/26/11: San Diego is issuing an RFP for a cost of service study to support a future bond issue potentially in mid-2013. Kristin Crane to sit on the selection panel. 2/1 3: San Diego's preliminary rate case does not show the issuance of additional debt until FY 2018.	Karen Jassoy Karyn Keese Kristen Crane
Changes in water legislation	Metro TAC and the Board should monitor and report on proposed and new legislation or changes in existing legislation that impact wastewater conveyance, treatment, and disposal, including recycled water issues	Paula de Sousa
Border Region	Impacts of sewer treatment and disposal along the international border should be monitored and reported to the Board. These issues would directly affect the South Bay plants on both sides of the border. 2/12: This Item does not have a champion. Should we remove?	

MetroTAC Items	Description	Subcommittee Member(s)
SDG&E Rate Case	8/19: Karyn to check with Paula regarding latest SDG&E issues.11/12: Sophie Akins from BBK will present updated information to Metro TAC.	Paula de Sousa
Metro JPA Strategic Plan	6/12: Chairman Ewin to establish a subcommittee to monitor the progress of strategic plan initiatives.	Who should take over?

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

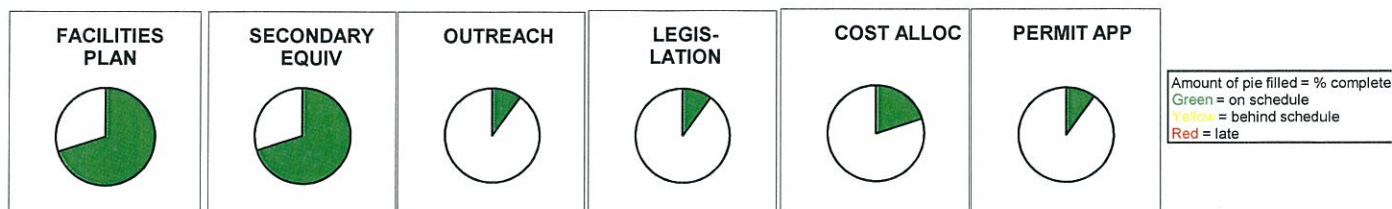
Completed Items	Description	Subcommittee Member(s)
Recycled Water Study	As part of the secondary waiver process, San Diego agreed to perform a recycled water study within the Metro service area. That study is currently underway, and MetroTAC has representatives participating in the working groups. TM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

Point Loma Permit/Potable Reuse KEY MILESTONE DATES

2/19/2014

DATE	TASK	FOLLOW UP ACTION/STATUS
2013		
Dec. 13, 2013	San Diego provide draft facilities plan to stakeholders	Draft provided. Enviro requested if schedule could be accelerated. San Diego provide update on 2/5/14
2014		
January	Begin outreach to regulators, legislators, key stakeholders and public	
1/16/14 8:30-10:30 MOC2-2E	San Diego Define Secondary Equivalency. Provide draft white paper	Comments provided on white paper. Enviro requested an analysis to be run using existing flows as a base line for comparison. Also look a concentration limits. Next meeting TBD
1/23/14 10-12 MOC-II	San Diego meet with JPA on cost allocation. 1) Agree on methodology 2) Insert construction costs from facilities plan	San Diego to look at comparing PR facilities construction through secondary to secondary at Point Loma. Next meeting on 2/20/14
Late January	Preliminary cost estimate and rate impact based on preliminary facilities plan	
02/05/2014 MOC2-2E	San Diego Stakeholders Meeting	
2/20/2014 MOC2-2K	Cost allocation meeting	
February	First draft of legislative language	
February	Seek Congressional sponsor for legislation (Issa/Davis ?)	
2/24/2013	Imperial Beach outfall meeting	
March	Resolve Padre Dam mass balance correction. This is holding up the FY12, FY11, FY10, and FY09 audits	Attorney's met on 1/23/14. The asked San Diego for additional information. Next meeting TBD
March	Resolve North City billing correction	These adjustments may be combined with Padre Dam mass balance corrections
March	Resolve recycled water revenue	These adjustments may be combined with Padre Dam mass balance corrections
6/30/2014	Complete cost analysis and rate impact review Finalize cost allocation method	
September	Finalize facilities plan for inclusion in NPDES permit application	
September	First draft NPDES Permit	
December	Final draft NPDES Permit	
2015		
January	Submit NPDES Permit to the Environmental Protection Agency	

Milestone Progress Dashboard



Metro TAC

Participating Agencies

Selection Panel Rotation

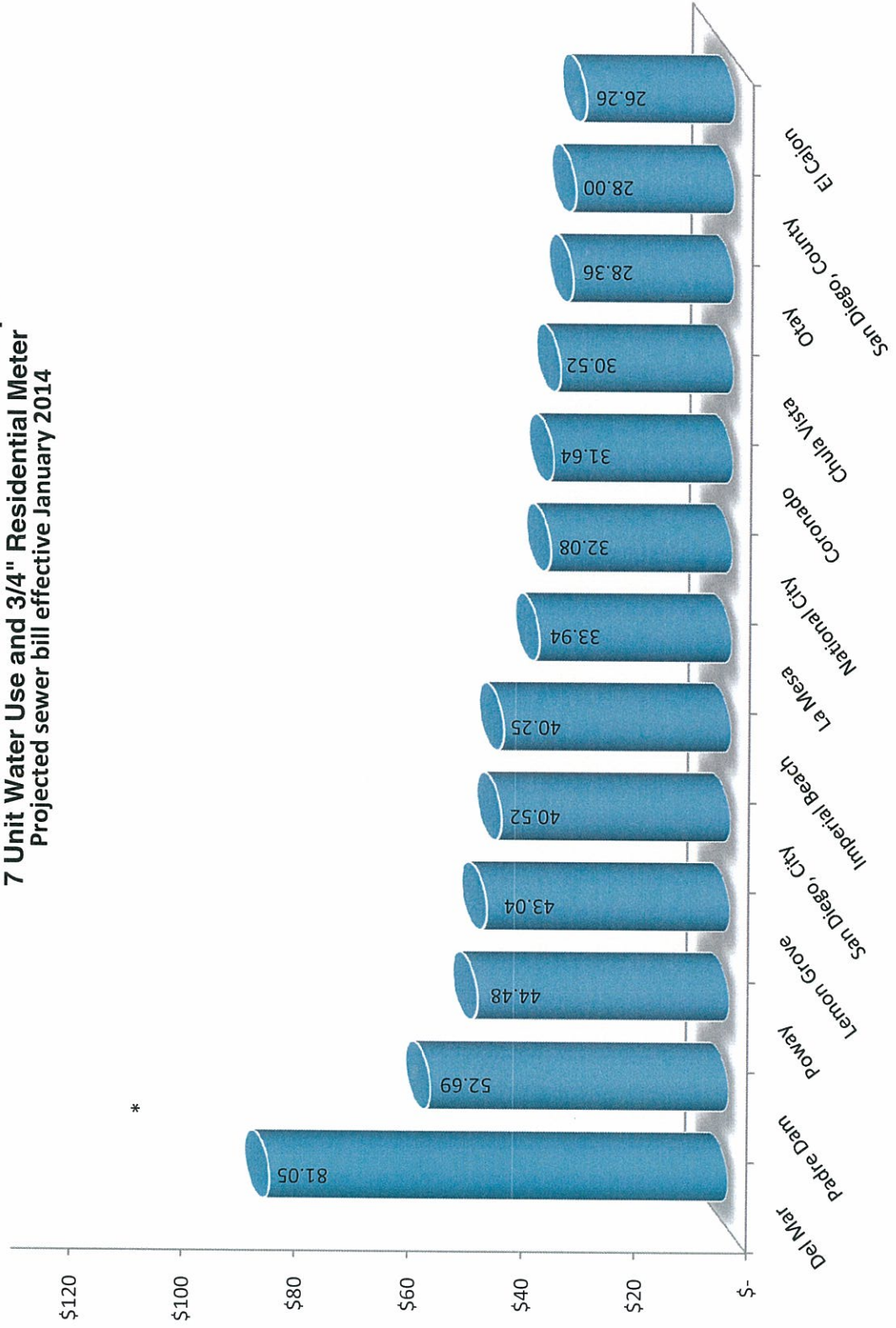
Agency	Representative	Selection Panel	Date Assigned
Padre Dam	Neal Brown	IRWMP – Props 50 & 84 Funds	2006
El Cajon	Dennis Davies	Old Rose Canyon Trunk Sewer Relocation	9/12/2007
La Mesa	Greg Humora	As-Needed Piping and Mechanical	11/2007
National City	Joe Smith	MBC Additional Storage Silos	02/2008
Otay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

Updated 11/2012

EXP

Lemon Grove	Mike James	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
National City	Joe Smith	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
Coronado	Godby, Kim	MBC Dewatering Centrifuges Replacement (Passed)	01/2012
Otay Water District	Bob Kennedy	MBC Dewatering Centrifuges Replacement (Accepted)/Strategic Planning Rep	01/2012
Del Mar	Eric Minicilli	New As Need Engineering Contract	02/2012
Padre Dam	Al Lau	PA Rep. for RFQ for As Needed Design Build Services (Passed)	05/2012
County of San Diego	Dan Brogadir	PA Rep. for RFQ for As Needed Design Build Services (Cancelled project)	05/2012
Chula Vista	Roberto Yano	As-Needed Condition Assessment Contract (Accepted)	06/2012
La Mesa	Greg Humora	New programmatic wastewater facilities condition (Awaiting Response)	11/2012
Poway	Tom Howard	Optimization Review Study	01/2013
El Cajon	Dennis Davies	PUD 2015 Annual Strategic Plan	1/15/14
Lemon Grove	Mike James		
National City	Joe Smith		
Coronado	Godby, Kim		
Otay Water District	Bob Kennedy	Strategic Planning (Volunteered, participated last year)	01/2013
Del Mar	Eric Minicilli		
Padre Dam	Al Lau		
El Cajon	Dennis Davies		
Lemon Grove	Patrick Lund		
National City	Joe Smith		
Coronado	Scott Huth		
Otay Water District	Bob Kennedy		
Del Mar	Eric Minicilli		
Padre Dam	Al Lau		
County of San Diego	Dan Brogadir		
Chula Vista	Roberto Yano		
La Mesa	Greg Humora		

Metro Agency Monthly Sewer User Rate Comparison **7 Unit Water Use and 3/4" Residential Meter** **Projected sewer bill effective January 2014**



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AGENDA ITEM 11

JPA Mid-Year Financial Update

Metro Wastewater JPA
Treasurer's Report
Six months ending December 31, 2013

Metro Wastewater JPA
Treasurer's Report
Six months ending December 31, 2013
Unaudited

Beginning Cash Balance at July 1, 2013	\$ 212,980
Operating Results	
Membership dues & interest income	114,296
Expenses	<u>(126,942)</u>
Net Income (Loss)	(12,646)
Net change in receivables & payables (see cash flow statement)	<u>84,509</u>
Cash provided by (used in) operating activities	71,863
Ending Cash Balance at December 31, 2013	<u><u>\$ 284,843</u></u>

Submitted by:

Karen Jassoy, Treasurer, 2/20/14

Metro Wastewater JPA

Balance Sheet

As of December 31, 2013 and June 30, 2013

Unaudited

	<u>Dec 31, 2013</u>	<u>Jun 30, 2013</u>	<u>\$ Change</u>
ASSETS			
Checking/Savings			
California Bank & Trust - Savings	\$ 275,984	\$ 203,685	\$ 72,299
California Bank & Trust - Checking	<u>8,859</u>	<u>9,295</u>	<u>(436)</u>
Total Checking/Savings	284,843	212,980	71,863
Accounts Receivable	<u>5,259</u>	<u>9,104</u>	<u>(3,845)</u>
TOTAL ASSETS	<u><u>\$ 290,102</u></u>	<u><u>\$ 222,084</u></u>	<u><u>\$ 68,018</u></u>
 LIABILITIES & EQUITY			
Liabilities			
Accounts Payable	\$ 41,985	\$ 75,579	\$ (33,594)
Unearned Membership Billings	<u>114,258</u>	<u>-</u>	<u>114,258</u>
Total Liabilities	156,243	75,579	80,664
Fund Balance			
At Beginning of Period	146,505	115,570	30,935
Net Income	<u>(12,646)</u>	<u>30,935</u>	<u>(43,581)</u>
At End of Period	<u>133,859</u>	<u>146,505</u>	<u>(12,646)</u>
TOTAL LIABILITIES & EQUITY	<u><u>\$ 290,102</u></u>	<u><u>\$ 222,084</u></u>	<u><u>\$ 68,018</u></u>
 <i>Fund balance at 12/31/13</i>	<i>\$ 133,859</i>		
<i>2014 JPA Required Operating Reserve</i>	<i>76,205</i>		
<i>Based on 4 months of Operating Expenditures</i>	<u></u>		
<i>Over (under) required reserve</i>	<i>\$ 57,654</i>		

Metro Wastewater JPA
Profit & Loss Budget vs. Actual
July through December 2013
Unaudited

	<u>Actual</u>	<u>Budget</u>	<u>Over (Under) Budget</u>
Income			
Membership Dues	\$ 114,258	\$ 114,258	\$ -
Interest Income	38	52	(14)
Total Income	\$ 114,296	\$ 114,310	\$ (14)
Expense			
Administrative Assistant	\$ -	\$ 1,800	\$ (1,800)
Admin & Treasury Services-Padre	8,494	9,502	(1,008)
Atkins	87,646	64,599	23,047
Audit Fees	-	-	-
Contingencies	-	-	-
Dues & Subscriptions	-	300	(300)
Legal - BB&K	21,081	17,498	3,583
JPA/TAC meeting expenses	1,686	2,498	(812)
Mileage Reimbursement	-	1,000	(1,000)
Miscellaneous	-	225	(225)
Office Supplies	-	250	(250)
Per Diem - Agency	7,500	9,998	(2,498)
Public Information	535	412	123
Telephone	-	225	(225)
Total Expense	\$ 126,942	\$ 108,307	\$ 18,635
Net Income	<u><u>\$ (12,646)</u></u>	<u><u>\$ 6,003</u></u>	<u><u>\$ (18,649)</u></u>

Metro Wastewater JPA
Statement of Cash Flows
July through December 2013
Unaudited

OPERATING ACTIVITIES

Net Income	\$ (12,646)
Adjustments to reconcile Net Income to net cash provided by operations:	
Accounts Receivable	3,845
Accounts Payable	(33,594)
Unearned Membership Billings	<u>114,258</u>
Net cash provided by Operating Activities	<u>71,863</u>
Net cash increase for period	71,863
Cash at beginning of period	<u>212,980</u>
Cash at end of period	<u><u>\$ 284,843</u></u>

Metro Wastewater JPA
A/R Aging Summary
As of December 31, 2013

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>> 90</u>	<u>TOTAL</u>
City of San Diego - Metro Wastewater Dept	<u>\$ -</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>	<u>5,259.03</u>	<u>\$ 5,259.03</u>
TOTAL	<u><u>\$ -</u></u>	<u><u>0.00</u></u>	<u><u>0.00</u></u>	<u><u>0.00</u></u>	<u><u>5,259.03</u></u>	<u><u>\$ 5,259.03</u></u>

Metro Wastewater JPA
Vendor Balance Summary
As of December 31, 2013

Padre Dam	\$ 21,589.20 *
Atkins North America	18,207.80 *
Best, Best and Krieger	<u>2,187.89 *</u>
Total	<u><u>\$ 41,984.89</u></u>

AGENDA ITEM 12

Pt. Loma Permit Renewal

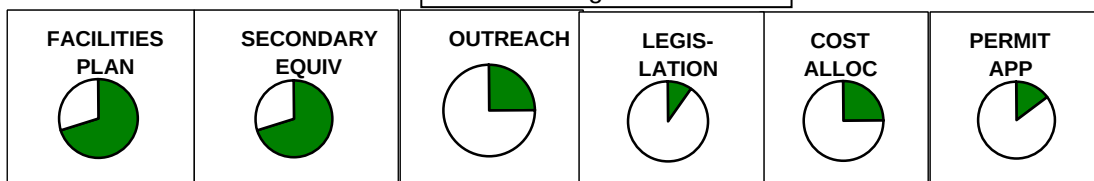
Point Loma Permit/Potable Reuse KEY MILESTONE DATES



03/12/2014

DATE	TASK	FOLLOW UP ACTION/STATUS
2013		
Dec. 13, 2013	San Diego provide draft facilities plan to stakeholders	Draft provided. Enviro requested if schedule could be accelerated. San Diego provide update on 2/5/14
2014		
January	Begin outreach to regulators, legislators, key stakeholders and public	
1/16/14 8:30-10:30 MOC 2E	San Diego Define Secondary Equivalency. Provide draft white paper	Comments provided on white paper. Enviro requested an analysis to be run using existing flows as a base line for comparison. Also look a concentration limits. Next meeting TBD
1/23/14 10:12 MOC 4	San Diego meet with JPA on cost allocation. 1) Agree on methodology 2) Insert construction costs from facilities plan	San Diego to look at comparing PR facilities construction through secondary to secondary at Point Loma. Next meeting on 2/20/14
Late January	Preliminary cost estimate and rate impact based on preliminary facilities plan	
02/05/2014 MOC 2E	San Diego Stakeholders Meeting	
February	First draft of legislative language	Draft prepared
February	Seek Congressional sponsor for legislation (Issa/Davis ?)	Need to define secondary equivalency 1st
02/24/2013	Imperial Beach outfall meeting	Halla agreed to look at additional potable reuse to reduce south bay discharge
03/05/2014	San Diego (Ann, Brent, Bob, Allan) meet with EPA staff	Pure Water program was well received by EPA
03/06/2014	Cost allocation meeting	
March	Resolve Padre Dam mass balance correction. This is holding up the FY12, FY11, FY10, and FY09 audits	Attorney's met on 1/23/14. They asked San Diego for additional information within 30 days. Next meeting TBD
March	Resolve North City billing correction	These adjustments may be combined with Padre Dam mass balance corrections
March	Resolve recycled water revenue	These adjustments may be combined with Padre Dam mass balance corrections
03/07/2014	Presentation to SANDAG Regional Planning Committee	Presentation was well received
03/13/2014	Stakeholders Meeting	
03/27/2014	San Diego County Water Authority Board Meeting	Request to delay vote on fiscal sustainability policy
04/03/2014	Cost allocation meeting	
06/30/2014	Complete cost analysis and rate impact review Finalize cost allocation method	
September	Finalize facilities plan for inclusion in NPDES permit application	
September	First draft NPDES Permit	
December	Final draft NPDES Permit	
2015		
January	Submit NPDES Permit to the Environmental Protection Agency	

Milestone Progress Dashboard



Amount of pie filled = % complete
 Green = on schedule
 Yellow = behind schedule
 Red = late