



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, October 21, 2015

TIME: 11:00 a.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 [August 19, 2015](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **ACTION:** Consideration and Possible Action to Approve Installation of Emergency Backup Generators at Pump Station 2 (PS2) (Chisti Dadachanji) (**Attachment**)
4. Metro Wastewater Update (Standing Item)
5. Metro Capital Improvement Program and Funding Sources (Standing Item) (Tung Phung) (**Attachment**)
6. Financial Update (Standing Item) (Karyn Keese)
7. MetroTAC Work Plan (Standing Item) (Greg Humora) (**Attachment**)
8. Point Loma Permit Renewal (Standing Item) (Greg Humora) (**Attachment**)
9. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**November 5, 2015 if needed**)
10. Other Business of Metro TAC
11. Adjournment ([To the next Regular Meeting, November 18, 2015](#))

Metro TAC 2015 Meeting Schedule

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

Item 1

Action Minutes of 8/19/2015

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

ACTION MINUTES

DATE OF MEETING: August 19, 2015
TIME: 11:00 AM
LOCATION: PUD – MOC II Main Conference Room
MEETING ATTENDANCE:

Greg Humora, La Mesa
Dennis Davies, El Cajon
Al Lau, Padre Dam
Roberto Yano, Chula Vista
Ed Walton, Coronado
Bob Kennedy, Otay WD
Rita Bell, Otay WD
Kevin Koeppen, Otay WD
Steve Beppler, Otay WD
Allen Carlisle, Padre Dam
Mark Niemiec, Padre Dam

Mike Obermiller, Poway
Terry Zaragoza, Poway
Alex Heide, Poway
Seth Gates, City of San Diego
Edgar Patino, City of San Diego
Jennifer Casamassima, City of San Diego
Peggy Merino, City of San Diego
Mike Faramarzi, City of San Diego
Rania Amen, City of San Diego
Karyn Keese, The Keze Group

1. Review and Approve Metro TAC Action Minutes for the Meeting of July 15, 2015

On a motion made by Bob Kennedy, seconded by Vice Chair Davies the minutes were unanimously approved subject to the inclusion of the attendee list.

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

Vice Chair Al Lau reported that all items on the agenda were approved by the Commission. Scott Tulloch gave an update on the Pure Water Program. EPA Region 9 is not likely to process an administrative fix at this time but they have indicated that they are willing to draft a letter in support of Point Loma's modified permit. Legislative options are still pending

3. ACTION: Consideration and Possible Action on Proposed Recycled Water Rates

Seth Gates reviewed a PowerPoint presentation prepared by City of San Diego on the outcome of their consultant's review of recycled water rates (Attachment A to these minutes). In 1994 and 1995 Federal legislation and court orders required that the City of San Diego build 45 MGD of recycled water plant capacity and the Optimized Distribution System from the North City Plant. City of San Diego and all PAs sewer customers have been and are currently paying for the debt service, required CIP, and O&M of these facilities due to the federal orders.

The outcome of the recycled water study is that the recycled water program should be able to cover its own operations costs through revenue collected from its fees and charges. In addition, the commodity rate has been set to be lower than the potable water rate to incentivize sales. The consultant (Black and Veatch) reviewed and updated the numbers from the prior consultant study (Raftelis) and developed two alternatives: a unitary rate which is similar to the current recycled rate and a zone rate based on costs associated with each of the two reclamation plants (please see page 10 of the handout). Most public agencies establish their recycled water rate based on a percentage of their potable water rate – the most common percentage is around 85% if cost of service is not used. As shown on Page 6 of the handout the recommended San Diego proposed unitary rate is approximately only 30% of the proposed potable irrigation rate. Staff is recommending the unitary rate as it is consistent with the current rate structure as well as the unitary wastewater user fee prescribed by the Regional Disposal Agreement. Per the Regional Disposal Agreement the revenue from the sales of recycled water from the South Bay Plant are considered sewer revenues and are used to offset the expense of the production of the recycled water. The North City Plant has a similar arrangement once the debt service for the optimized system is paid off.

Otay Water District disagrees with the City's recommendation and prefers the zone recycled rates. They feel that they should not have to pay for the debt service associated with the Optimized System as they were required to build their own pipeline from the South Bay Treatment Plant as well as storage facilities to convey and distribute the recycled water. They handed out a schematic (Included as Attachment B to these minutes) to illustrate their point that while the Disposal Agreement requires all users including the PAs to pay the same unit rate for major pipelines and pump stations that are part of the Metro system as well as treatment and disposal that each PA has a separate transportation agreement with the City of San Diego based on their use of San Diego's muni system (all pipelines and pump stations that are part of the City of San Diego's municipal collection system and not part of the Metro System). Otay contends that this provides the basis to substantiate the zone recycled rates with separate rates for South Bay and North City based on their different distribution system costs.

A suggestion was made by Vice Chair Al Lau that San Diego create a wholesale and a retail rate as opposed to zone rates and open negotiation's with their three wholesale customers, Otay, Poway, and Olivenhain, and incorporate the wholesale rates into their contracts. This would require both parties in agreement to open the discussions, as the wholesale agencies currently are bound by Agreements with varying expiration dates and terms. Establishing a wholesale rate had been suggested after the last study but the cost of service for wholesale versus retail has never been completed.

A motion was made by Roberto Yano, seconded by Bob Kennedy to adopt the zone rates with a 5-year phase in for North City recycled customers of their zone rate. The motion failed: 4 no, 2 yes, and one abstention.

Chairman Humora presented a second motion which was seconded by Vice Chair Davies to recommend the unitary rate with a request to San Diego to open negotiations with their wholesale customers on a wholesale rate. The motion carried: 4 yes, 3 no. This recommendation will be moved forward to the Metro Commission for their September meeting.

4. Metro Wastewater Update (Standing Item)

There was no update this month.

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

The year-end CIP summary will be presented in September.

6. Financial Update

The sample review for the FYE 2014 is underway and the FYE 2015 Audit Entrance Conference will be on August 31, 2015.

7. SD IRWM RAC Meeting – August 2015

Steve Beppler reviewed the attachment which dealt mainly with the IRWM Grants Program. Padre Dam has received a \$6 million grant for their current project.

8. Metro TAC Work Plan (Standing Item)

Recycled water cost of service was added to the work plan.

9. Point Loma Permit Renewal

Chairman Humora reviewed the current cost allocation process. A final draft should be available in December 2015. It is anticipated that work on amending the Regional Disposal Agreement to include the Pure Water Program as well as other administrative revisions will begin in December as well. He also mentioned that there are efforts to develop a private fish farm in the ocean to the North of the Point Loma outfall pipe. Existing outfall monitoring points would likely be located within the proposed boundaries of the fish farm. There are no existing regulations for such a facility. It is unknown what the impacts of the fish farm could be.

10. Review of Items to be Brought Forward to the next Metro Commission/Metro JPA Meeting (September 3, 2013)

Chairman Humora recommended Item 3 be moved forward to the Metro Commission for their review and potential approval.

11. Other Business of Metro TAC

There was no other business of the Metro TAC.

12. Adjournment (To the next Regular Meeting, September 16, 2015)

ATTACHMENT A



Quality ■ Value ■ Reliability ■ Customer Service
For all of San Diego...every day!



Presentation to the Metropolitan Wastewater TAC

Recycled Water Rates

City of San Diego Public Utilities

August 19, 2015



THE CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT *Quality. Value. Reliability – In Every Drop!*

Historical Context

- Clean Water Act 1972 – requires secondary treatment
- 1987 Lawsuit by EPA and Others
- The Ocean Pollution Reduction Act of 1994
 - Allowed City to Reapply for Waiver, which was granted
 - City must build 45 MGD recycled water plant capacity
- A 1995 Federal Court Order to Build an Optimized Distribution System

Recycled Water System

- North City Water Reclamation Plant (NCWRP)
- South Bay Water Reclamation Plant (SBWRP)
- Associated Distribution System
- Approximately 600 connections
- 3 Wholesale Customers with recycled water purchase agreements

Modified Cost of Service

- Financial Sufficiency – The recycled water program should be able to cover its own costs through revenue collected from its own fees and charges
- Considers only costs related to the production and distribution of recycled water
 - O&M and capital expenses for the distribution system and tertiary (recycled water) component of the wastewater treatment system
 - Debt service
- Reduces revenue requirements using offsetting revenues
 - MWD/CWA credits
 - Other revenues

Pricing Study Principles

- City's potable water and wastewater systems have benefited from the use of the recycled water system
 - Costs/benefits are apportioned accordingly
- Recycled water is part of the City's long range water resources plan

Recycled Water

Timeline	Commodity Rate (\$/HCF)
Existing Recycled Rate	\$0.80
Proposed Recycled Rate	\$1.73
Proposed Potable Irrigation Rate	\$5.67

Results of Pricing Study

- Recycled Water Rate (\$1.73/HCF)
 - Gradual decrease of MWD credit amount over period
 - \$250/AF in FY 2015
 - \$210/AF in FY 2016 - \$50/AF by FY 2020
 - CWA credit of \$200/AF through FY 2020
 - CIP Projects \$3.8M

Modified Cost of Service Calculation

	Projected 2016	Projected 2017	Projected 2018	Projected 2019	Projected 2020
Revenue Requirements					
O&MCosts	\$ 3,239,173	\$ 3,292,855	\$ 3,348,279	\$ 3,405,510	\$ 3,464,618
Treatment Costs	\$ 4,259,540	\$ 4,429,921	\$ 4,607,118	\$ 4,791,403	\$ 4,983,059
<u>Capital Costs</u>					
Existing Debt Service	\$ 5,166,144	\$ 5,117,096	\$ 5,186,900	\$ 5,187,188	\$ 5,186,413
Proposed Debt Service	\$ 77,135	\$ 154,270	\$ 154,270	\$ 154,270	\$ 154,270
Pay-as-you-go Capital	\$ 1,170,085	\$ 200,691	\$ -	\$ -	\$ -
<i>Subtotal: Capital Costs</i>	\$ 6,413,364	\$ 5,472,057	\$ 5,341,170	\$ 5,341,459	\$ 5,340,683
Total Revenue Requirements	\$ 13,912,078	\$ 13,194,834	\$ 13,296,567	\$ 13,538,372	\$ 13,788,360

Less: Revenue Offsets					
Credits from MWD and CWA	\$ 2,997,742	\$ 2,732,333	\$ 3,189,724	\$ 2,830,514	\$ 2,463,974
Base Charge Revenue (Projected)	\$ 571,306	\$ 583,593	\$ 625,752	\$ 645,001	\$ 664,989
Poway Contract Revenue	\$ 490,682	\$ 515,412	\$ 541,389	\$ 568,676	\$ 597,338
Fees from Olivenhain	\$ 19,663	\$ 19,663	\$ 19,663	\$ 19,663	\$ 19,663
Interest Revenue	\$ -	\$ -	\$ -	\$ -	\$ -
Meter Installation Revenue	\$ 275,000	\$ 25,000	\$ 200,000	\$ 30,000	\$ 30,000
Capacity Fee Revenue	\$ 195,008	\$ 24,376	\$ 146,256	\$ 24,376	\$ 24,376
Subtotal Revenue Offsets	\$ 4,549,401	\$ 3,900,377	\$ 4,722,784	\$ 4,118,230	\$ 3,800,341

TOTAL NET REVENUE REQUIREMENTS	\$ 9,362,677	\$ 9,294,457	\$ 8,573,783	\$ 9,420,142	\$ 9,988,020
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Total Sales (HCF)	4,703,758	4,787,988	5,834,415	5,933,537	6,029,093
Calculated Recycled Water Rate, \$/HCF	\$ 1.99	\$ 1.94	\$ 1.47	\$ 1.59	\$ 1.66
Average Calculated Rate	\$ 1.73				

Proposed Base/Meter Charges

Monthly Base Fee	Existing	Proposed 1/1/2016	Proposed 1/1/2017	Proposed 1/1/2018	Proposed 1/1/2019	Proposed 1/1/2020
Meter Size						
1"	\$8.63	21.54	21.54	21.54	21.54	21.54
1-1/2"	43.27	39.01	39.01	39.01	39.01	39.01
2"	65.96	60.01	60.01	60.01	60.01	60.01
3"	246.93	126.41	126.41	126.41	126.41	126.41
4"	411.53	224.31	224.31	224.31	224.31	224.31
6"	925.93	493.51	493.51	493.51	493.51	493.51
8"	1,234.59	843.13	843.13	843.13	843.13	843.13
10"	1,646.12	1,332.60	1,332.60	1,332.60	1,332.60	1,332.60

Proposed Rates

- The commodity rate for recycled water should be lower than the potable water rate to incentivize sales

Alternative	Commodity Rate HCF	Current Rate	Proposed Rate June, 2013	New Proposed Rate January 1, 2016 – June 30, 2020
1	Unitary	\$.80	\$2.261	\$1.73
2	Zone -North City	N/A	\$3.208	\$2.138
2	Zone -South Bay	N/A	\$1.300	\$1.173

Recycled Water Customers

North City	615
South Bay	7
Total	622

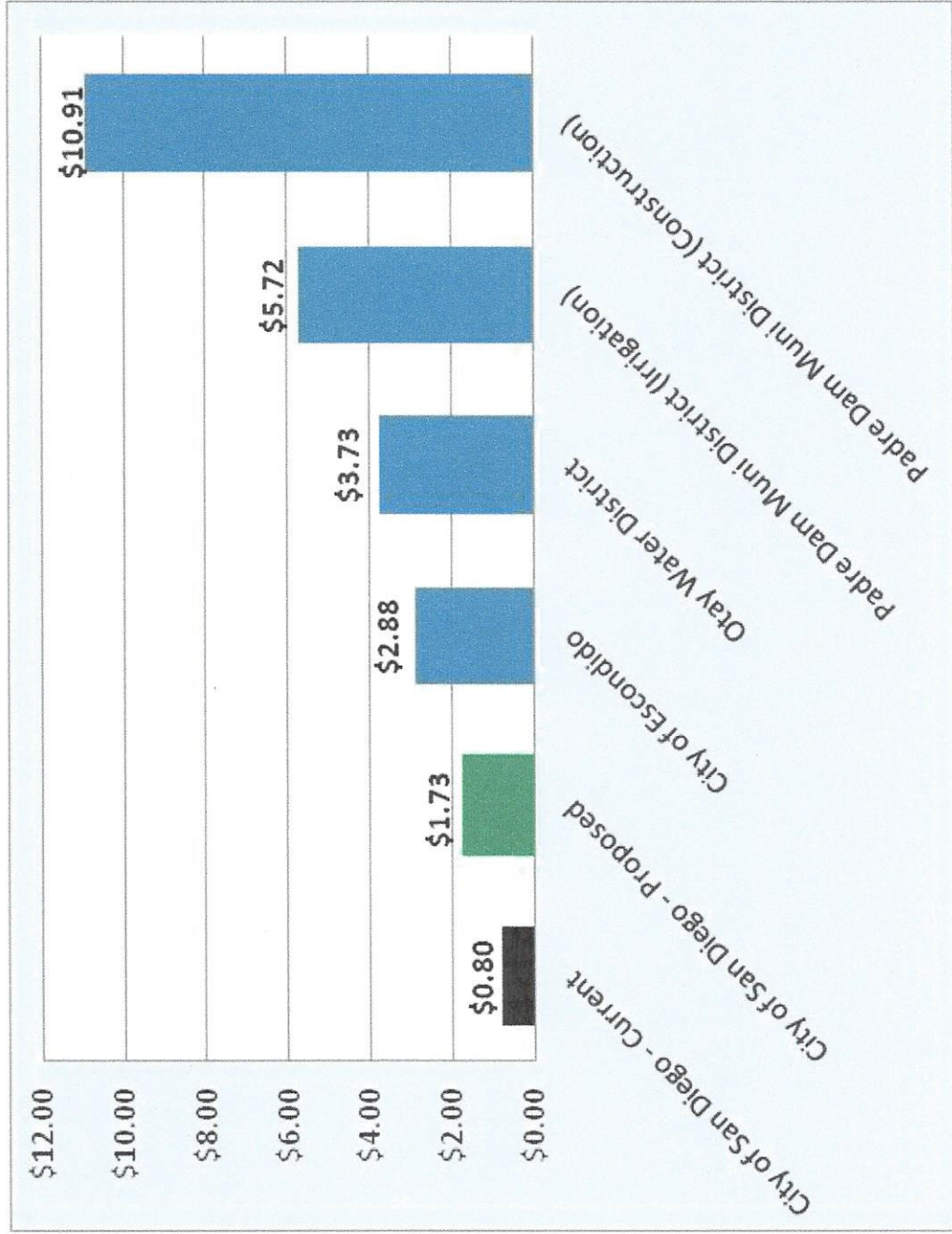
North City Zone Rate

North City	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Revenue Requirements					
O&M Costs	\$ 3,014,810	\$ 3,065,484	\$ 3,117,813	\$ 3,171,859	\$ 3,227,686
Treatment Costs	\$ 2,450,918	\$ 2,548,955	\$ 2,650,913	\$ 2,756,949	\$ 2,867,227
Capital Costs					
Existing Debt Service	\$ 4,920,429	\$ 4,868,831	\$ 4,912,343	\$ 4,912,635	\$ 4,911,869
Proposed Debt Service	\$ 47,061	\$ 94,121	\$ 94,121	\$ 94,121	\$ 94,121
Pay-as-you-go Capital	\$ 641,823	\$ 383,495	\$ -	\$ -	\$ -
Subtotal: Capital Costs	\$ 5,609,312	\$ 5,346,447	\$ 5,006,465	\$ 5,006,756	\$ 5,005,990
Total Revenue Requirements	\$ 11,075,039	\$ 10,960,886	\$ 10,775,190	\$ 10,935,564	\$ 11,100,904
Less: Revenue Offsets					
Credits from MWD and CWA	\$ 2,997,742	\$ 2,732,333	\$ 3,189,724	\$ 2,830,514	\$ 2,463,974
Base Charge Revenue (Projected)	\$ 554,743	\$ 566,768	\$ 608,525	\$ 627,358	\$ 646,914
Poway Contract Revenue	\$ 490,682	\$ 515,412	\$ 541,389	\$ 568,676	\$ 597,338
Fees from Olivenhain	\$ 19,663	\$ 19,663	\$ 19,663	\$ 19,663	\$ 19,663
Interest Revenue					
Meter Installation Revenue	\$ 275,000	\$ 25,000	\$ 200,000	\$ 30,000	\$ 30,000
Capacity Fee Revenue	\$ 195,008	\$ 24,376	\$ 146,256	\$ 24,376	\$ 24,376
Subtotal Revenue Offsets	\$ 4,532,838	\$ 3,883,552	\$ 4,705,557	\$ 4,100,587	\$ 3,782,266
TOTAL NET REVENUE REQUIREMENTS	\$ 6,542,202	\$ 7,077,334	\$ 6,069,633	\$ 6,834,978	\$ 7,318,638
Total Sales (HCF)	2,617,217	2,643,390	3,631,324	3,666,723	3,702,476
Calculated Recycled Water Rate, \$/HCF	\$ 2.50	\$ 2.68	\$ 1.67	\$ 1.87	\$ 1.98
Average 5 year rate	\$ 2.138				

South Bay Zone Rate

South Bay	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Revenue Requirements					
O&M Costs	\$ 224,364	\$ 227,371	\$ 230,466	\$ 233,652	\$ 236,931
Treatment Costs	\$ 1,808,622	\$ 1,880,967	\$ 1,956,205	\$ 2,034,454	\$ 2,115,832
Capital Costs					
Existing Debt Service	\$ 245,716	\$ 248,265	\$ 274,556	\$ 274,554	\$ 274,544
Proposed Debt Service	\$ 39,960	\$ 79,919	\$ 79,919	\$ 79,919	\$ 79,919
Pay-as-you-go Capital	\$ 317,482	\$ 82,627	\$ -	\$ -	\$ -
Subtotal: Capital Costs	\$ 603,157	\$ 410,812	\$ 354,475	\$ 354,473	\$ 354,463
Total Revenue Requirements	\$ 2,636,143	\$ 2,519,149	\$ 2,541,147	\$ 2,622,578	\$ 2,707,226
Less: Revenue Offsets					
Credits from MWD and CWA	\$ 5,608	\$ 5,664	\$ 5,720	\$ 5,778	\$ 5,836
Base Charge Revenue (Projected)	\$ 16,563	\$ 16,825	\$ 17,227	\$ 17,643	\$ 18,075
Poway Contract Revenue					
Fees from Olivenhain					
Interest Revenue					
Meter Installation Revenue					
Capacity Fee Revenue	\$ 22,171	\$ 22,489	\$ 22,947	\$ 23,421	\$ 23,911
Subtotal Revenue Offsets					
TOTAL NET REVENUE REQUIREMENTS	\$ 2,613,972	\$ 2,496,660	\$ 2,518,199	\$ 2,599,157	\$ 2,683,316
Total Sales (HCF)	2,086,541	2,144,598	2,203,091	2,266,814	2,326,617
Calculated Recycled Water Rate, \$/HCF	\$ 1.25	\$ 1.17	\$ 1.14	\$ 1.15	\$ 1.15
Average 5 year rate	\$ 1.173				

Recycled Water Rate Comparison

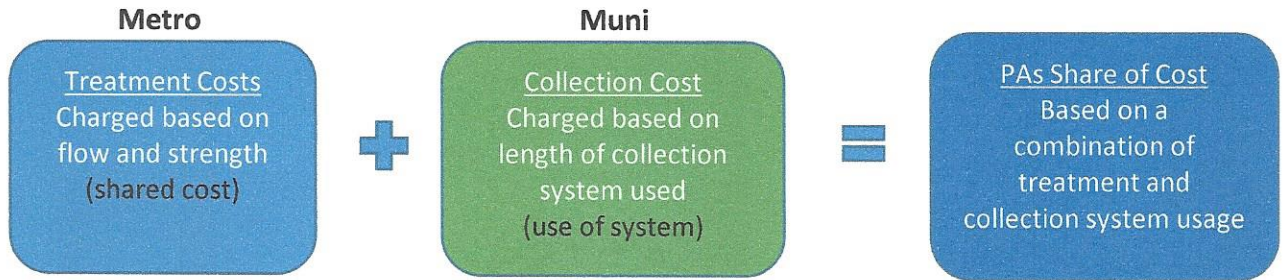


Questions ?

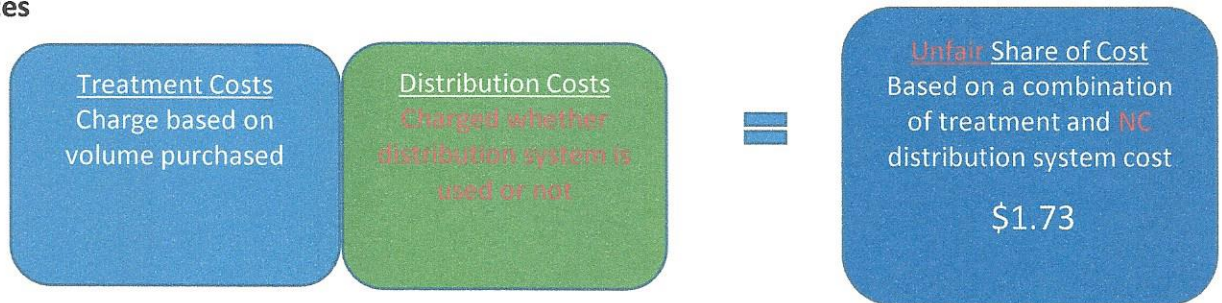
ATTACHMENT B

Metro Cost Structure compared to Recycled Water Cost Structures

Sewer

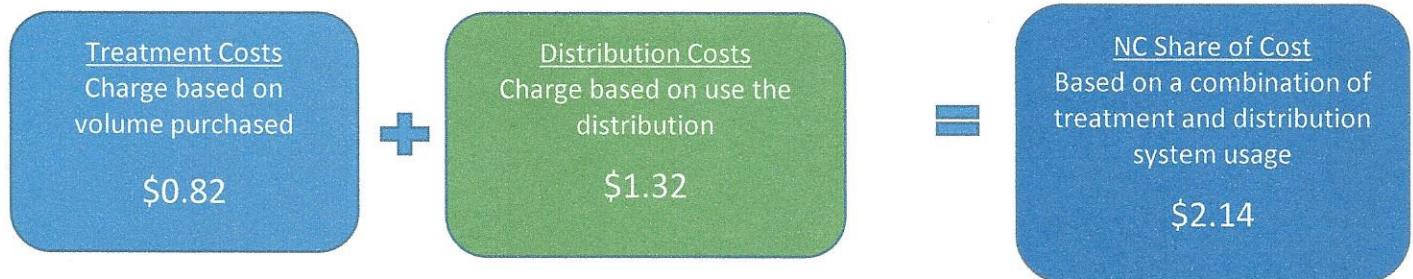


Recycled - Unitary Rates

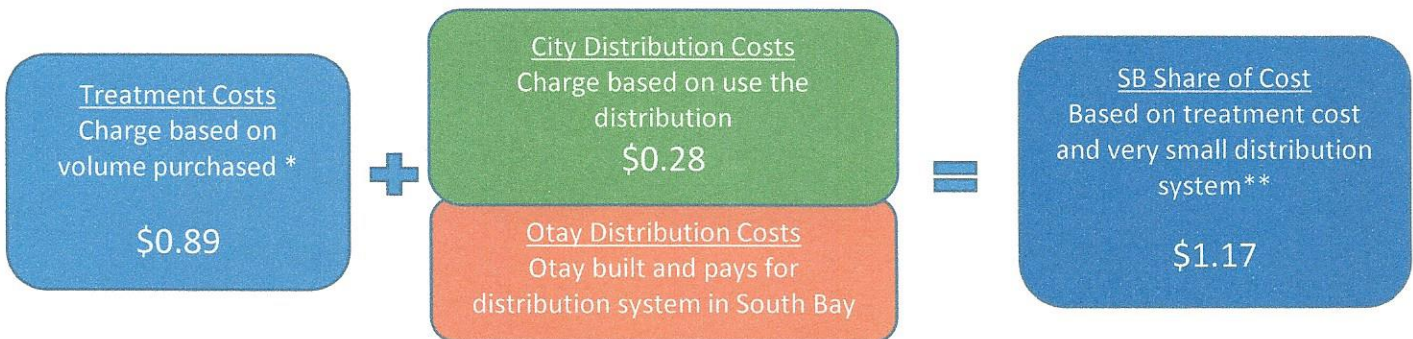


VS

Recycled - North City Zone



Recycled - South Bay Zone



* Otay pays based on contractual volume. To date Otay has paid an additional \$1.4 million.

** The City owns approximately 1.5 miles of pipeline in SB. Otay owns 100 miles of pipeline.

Item 3

Installation of Emergence Backup
Generators at Pump Station 2

METRO JPA/TAC
Staff Report
Date:10/14/2015

Project Title: Installation of Emergency Backup Generators at Pump Station 2 (PS2)

Requested Action: Approval to purchase and install 2-2MW diesel generators for emergency backup power at Sewer Pump Station 2.

Recommendations: Approve the project request

Metro TAC:	Approve the subject item and forward it to Metro Commission for approval
IROC:	N/A
Prior Actions: (Committee/Commission, Date, Result)	None

Fiscal Impact:

Is this projected budgeted?	Yes ____ No <u>X</u>
Cost breakdown between Metro & Muni:	\$3,000,000 (100% Metro)
Fiscal impact to the Metro JPA:	\$1,005,000 (33.5% Metro JPA)

Capital Improvement Program:

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

Previous TAC/JPA Action: None

Additional/Future Action: None

City Council Action: The project funding was included in Council Action on October 6, 2015.

Background: On September 8, 2011, San Diego County experienced a regional power outage that caused Sewer Pump Station 1 and 64 to spill. Under the Settlement Agreement with California Regional Water Quality Control Board, emergency backup generators are being installed at Sewer Pump Stations 1, 64, 65, Penasquitos, North City Water Reclamation Plant and Environmental Monitor and Technical Services Laboratory to provide backup power for redundancy. Construction of this project will be completed by December 2015. Emergency generators at PS2 were not installed under this contract as they were included in another CIP Project called the PS2 Power Reliability and Surge Protection Project, which currently is in the design phase and is scheduled to be completed in 2019 time frame. Since emergency generators are now installed at all bigger pump stations except PS2, it has created a situation where if we were to have another regional power outage, PS2 would continue to receive flows from the other pump stations and there is a strong possibility that PS2 would spill into the San Diego Bay if the existing natural gas engine driven pumps could not keep up with the flows or these engines are down for maintenance. These natural gas engines are at the end of their life cycle and unreliable thus creating an even greater chance of spill. These engines will be

replaced with new natural gas reciprocating engine generators with electric motors under the PS2 Power Reliability and Surge Protection Project.

Discussion: With the anticipated El Nino conditions this winter and keeping in view the existing condition of the natural gas driven engines, the Department has considered installing 2-2MW emergency diesel generators for the interim period till the completion of the PS2 Power Reliability and Surge Protection Project to provide backup power to the two electric motor driven pumps at PS2. The Department plans to use the National Joint Power Alliance (NJPA) contract for the procurement of these new generators.

Bid Results: *Utilize the existing PS2 Electrical Upgrade contract and City Operation staff for the installation of these generators.*

Item 5

CIP Update



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: September 21, 2015

TO: Independent Rates Oversight Committee (IROC)

FROM: Richard Leja, Deputy Director and Carrie Purcell, Interim Deputy Director, Public Works,
Engineering Department
Rania Amen, Deputy Director, Public Utilities Department

SUBJECT: FY2015 Capital Improvement Projects (CIP) – Year-End Report

The Public Works-Engineering and Public Utilities Departments hereby submit the FY2015 CIP year-end report.

This report includes the following:

- FY 15 Program Highlights and Achievements
- Award winning projects
- Project mileage and expenditures/encumbrances updates
- Expenditures variance by asset type
- Forecast versus actual expenditures report
- Project change orders log
- Project Charter Amendments

PROGRAM HIGHLIGHTS AND ACHIEVEMENTS

- Program Milestones (Water and Wastewater)

✓ New Projects	31 Projects, \$106 Million
✓ Completed Preliminary Engineering	52 Projects, \$242 Million
✓ Completed 100% Design	35 Projects, \$161 Million
✓ Awarded Construction Contracts	33 Contracts, \$117 Million
✓ Completed Construction Contracts	41 Contracts, \$163 Million

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

- Four projects received APWA awards.
- 26 miles of water pipelines were awarded for construction and 39.37 miles of wastewater pipelines were completed.
- \$71.12 million of water funds and \$93.35 million of wastewater funds were spent.
- The initial stages of implementation for the CIP Streamlining measures have resulted in reduced costs.
- Charter amendments are now being implemented which document project changes due to unforeseen conditions, scope change, and related program impacts to mileage and/or expenditures.
- Five projects will be receiving SRF Loans. Loan process may impact project schedules, but will result in program savings of over \$130 million.
- Over-programming of new projects will assist with meeting future program goals.

AWARD WINNING PROJECTS

<i>PROJECT</i>	<i>CATEGORY</i>	<i>AWARDS</i>
Scripps Ranch Pump Station	Utility Projects \$6M - \$25M	APWA/Outstanding Award



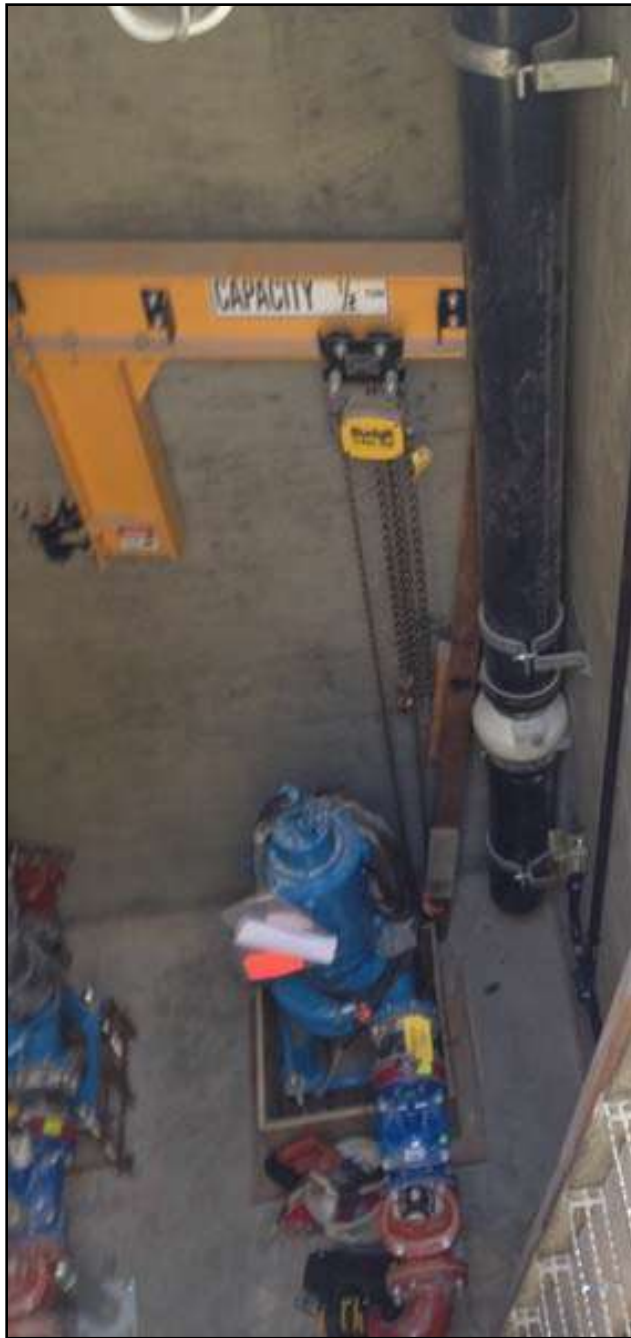
The Scripps Miramar Ranch Pump Station supplies over 90% of the water to the Scripps Ranch Service Area and all of the water to portions of Scripps Ranch. This project replaced the aging station. The project included design and construction of a facility to house six large turbine pumps and electrical controls for the station, installation of equipment, connection to three existing pipelines, equipment testing, parking and space for a trailer-mounted emergency generator.

PROJECT	CATEGORY	AWARDS
Recycled Water Systems Upgrade	Environmental >\$2M	APWA/Honor Award



The project involved upgrades and design modifications to 15 pressure reducing recycled water valve vaults located throughout the City. The retrofits will help the City comply with California Water Code Section 13529.2, by disconnecting storm drain connections and making new sewer connections and new sumps for vector removal.

<i>PROJECT</i>	<i>CATEGORY</i>	<i>AWARDS</i>
Sewer Pump Station 13 Improvements	Utility Projects >\$2M	APWA/Outstanding Award



The project addressed NFPA-820 deficiencies for classified electrical space and provided improvements for wet well level monitoring and control. The design provides a system of built-in maintenance tools such as strategically placed davit cranes, fall protection on hatches and ladders, and proper ventilation allowing a significantly safer working environment for maintenance of pumps and to prevent avoidable personal injuries. For added operational safety, the below-grade mechanical room's safety isolation valves can be mechanically actuated at surface-grade elevation in the event the below-grade structure ever becomes flooded. SPS-13 is now essentially brand new.

PROJECT	CATEGORY	AWARDS
Scripps Ranch Reservoir Slope Repair	Environmental >\$2M	APWA/Project of the Year Award



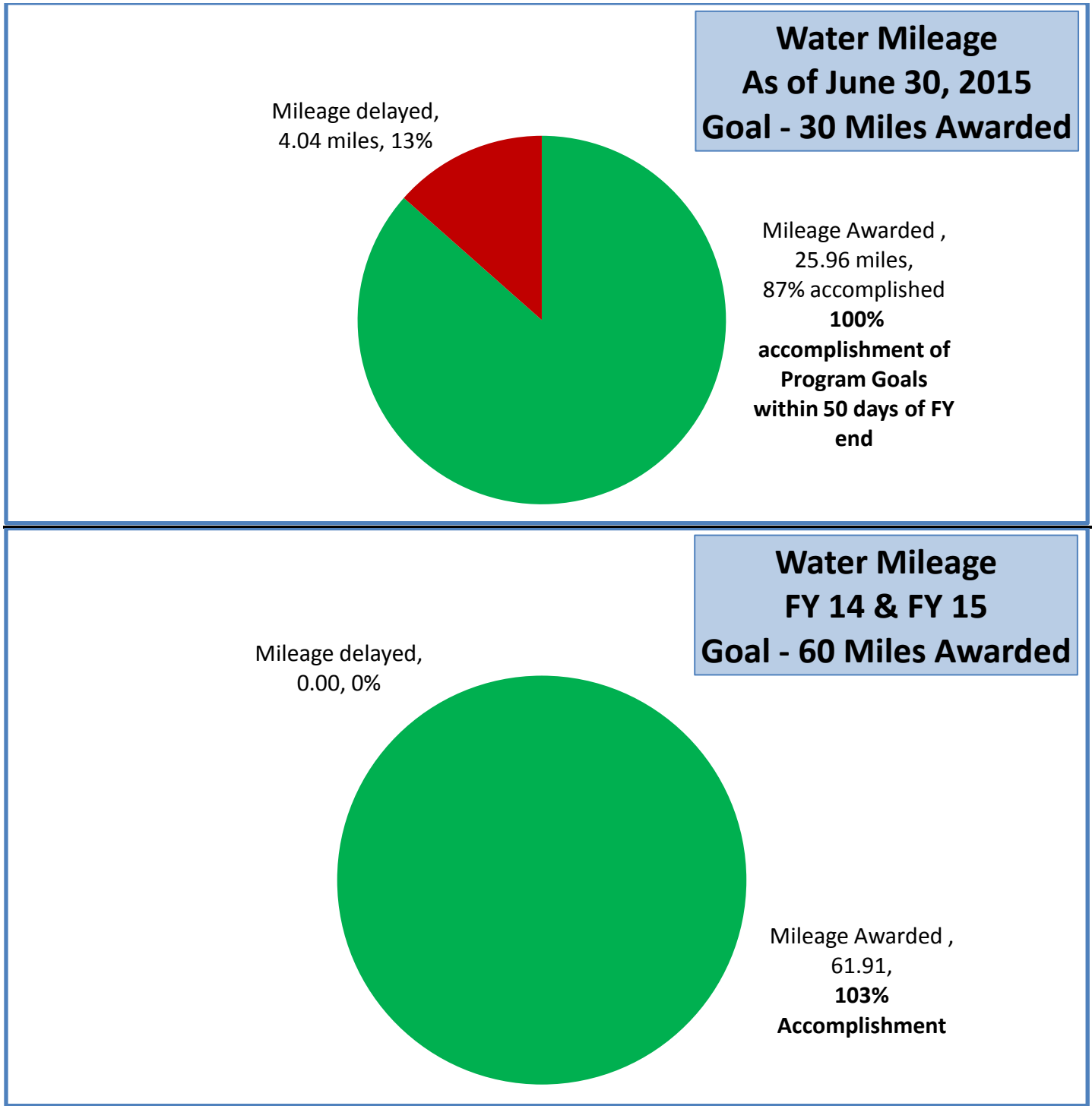
The Scripps Ranch Reservoir, a source of water for the community, must be isolated, drained, and inspected every two years. The City conducted a study in March 2010 called the Scripps Ranch Reservoir Roof Bracket and Drain Slope Repair Planning Study. The study found that water conveyed out of the 18-inch storm drain on the north side of Spring Canyon Road had eroded the canyon slope. The storm drain, therefore, needed to be replaced and slope repaired.



DASHBOARD INFORMATION

WATER PROJECT UPDATES

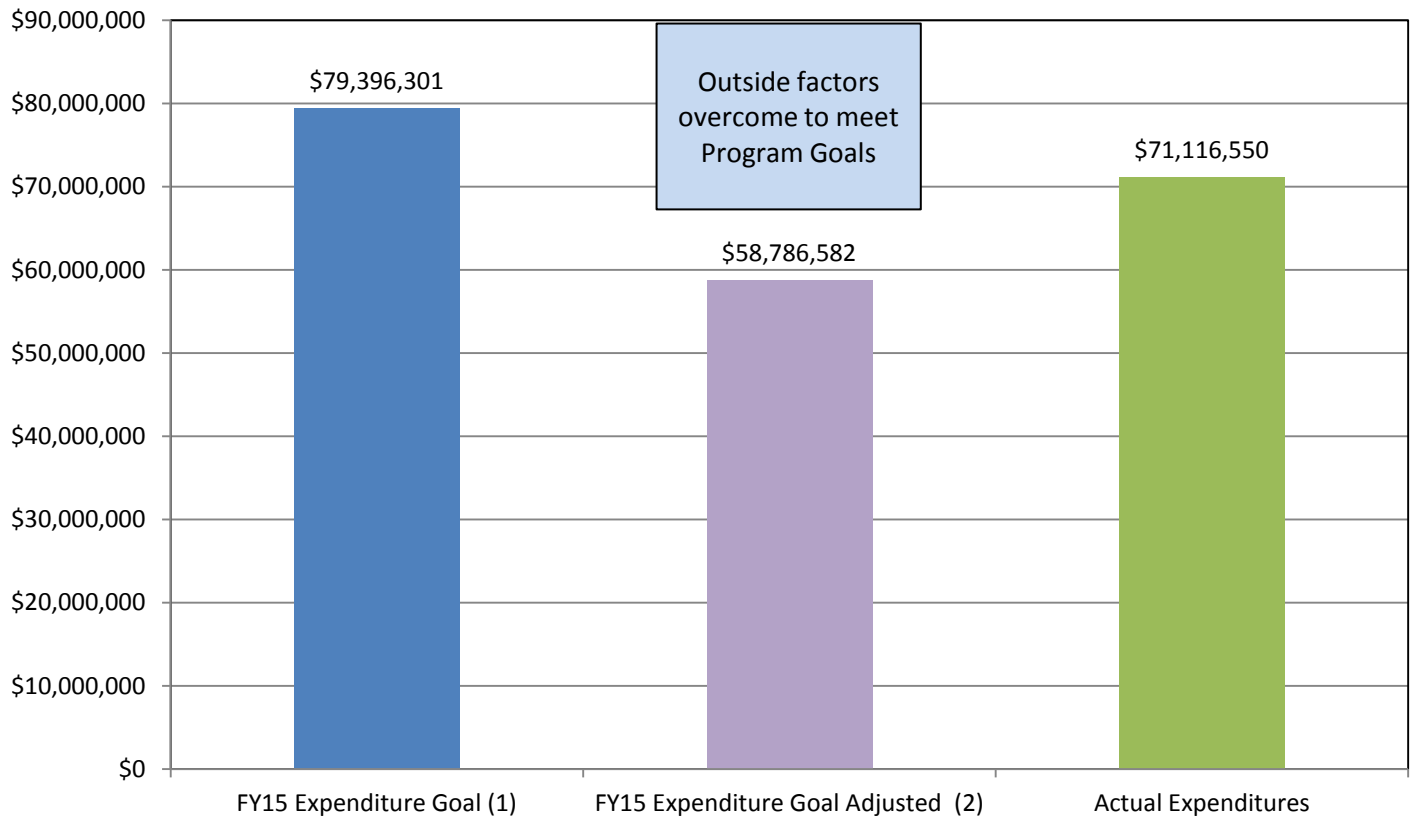
The program continued with the goal of replacing 30 water miles in fiscal year 2015. As of June 30, 2015, 25.96 miles were awarded and 4.04 miles were delayed. The delayed miles were accomplished within the first 50 days of FY16.



NOTE: Goals not adjusted to reflect outside factors.

FY 2015 Water Expenditures As of June 30, 2015

(Financial data was run on August 10, 2015 and may not be final)



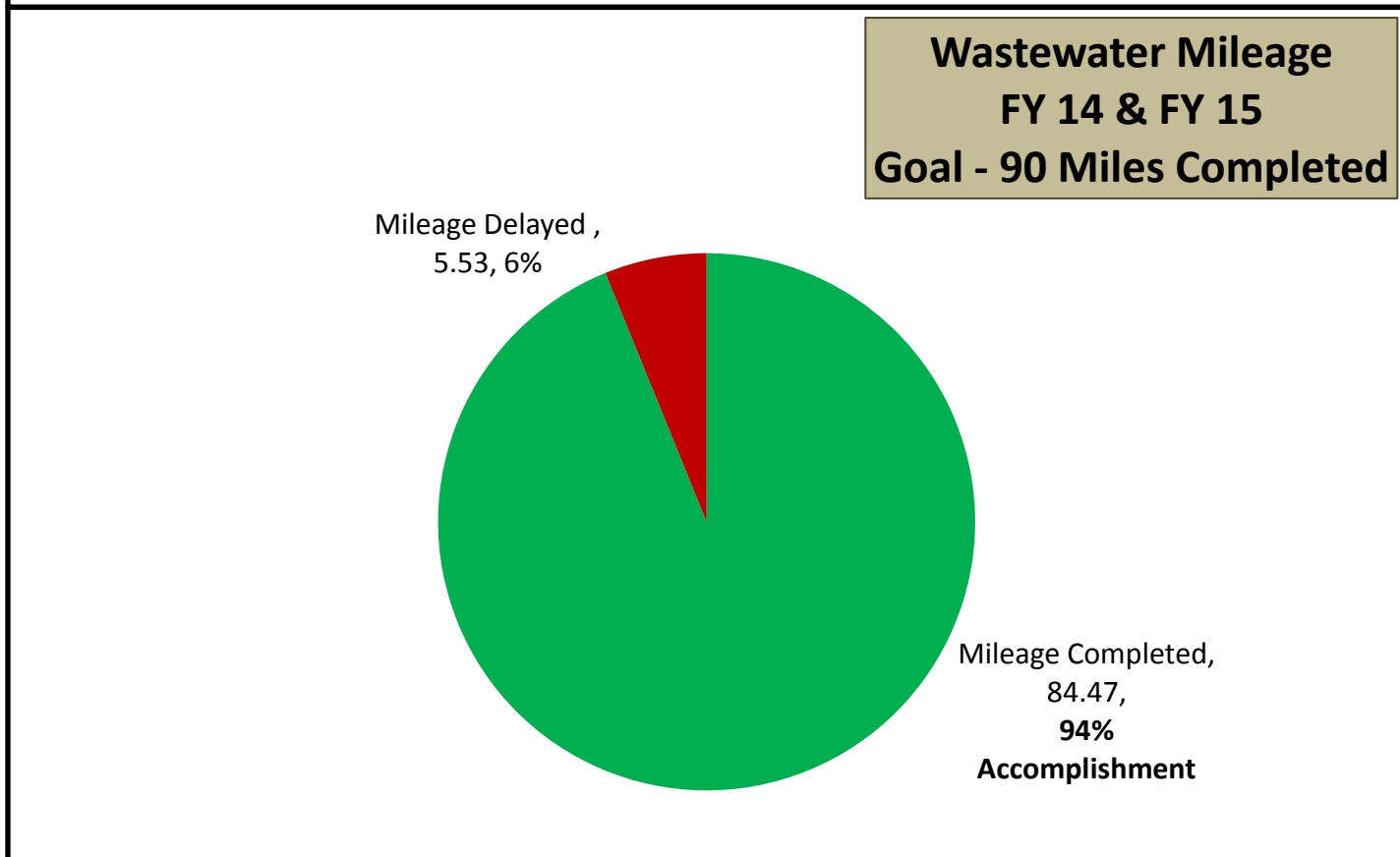
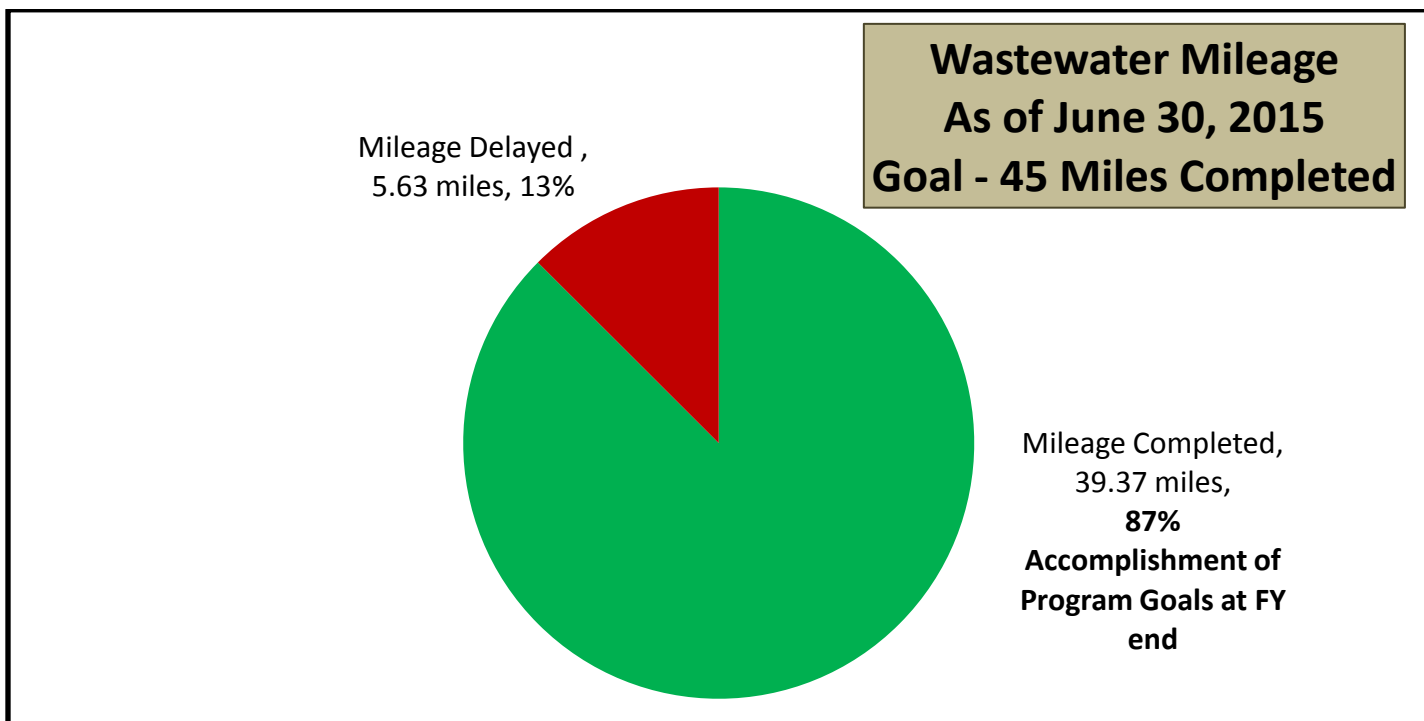
NOTES:

(1) The expenditure goals were prepared in December 2012 and exclude a \$20 million contingency which was allocated for possible new projects

(2) Adjusted for Charter Amendments to reflect outside factors.

WASTEWATER PROJECT UPDATES

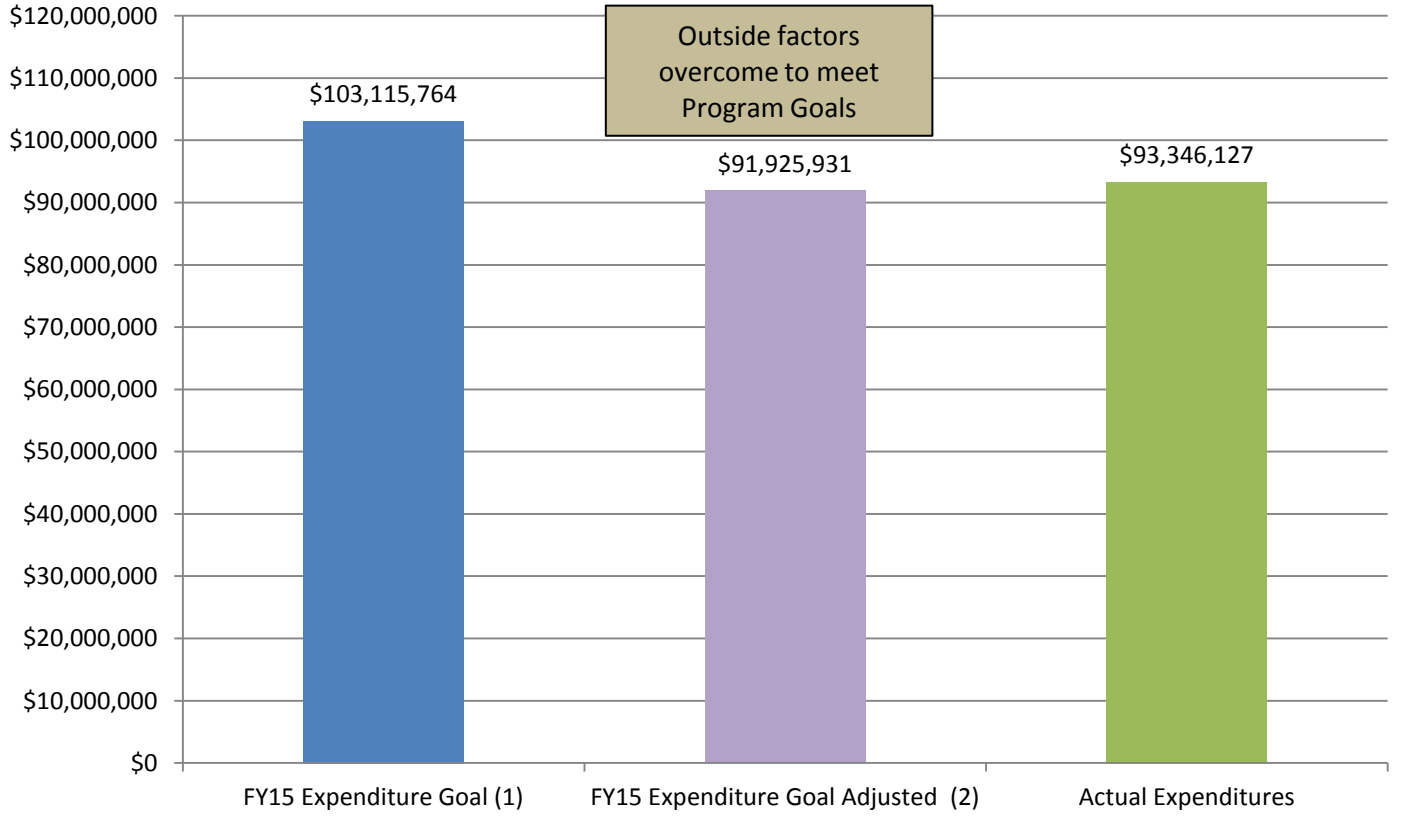
The program continued with the goal of replacing or rehabilitating 45 sewer miles in fiscal year 2015. As of June 30, 2015, 39.37 miles were completed and 6.63 miles were delayed.



NOTE: Goals not adjusted to reflect outside factors.

FY 2015 Wastewater Expenditures As of June 30, 2015

(Financial data was run on August 10, 2015 and may not be final)



NOTES:

- (1) The expenditure goals were prepared in December 2012
- (2) Adjusted for Charter Amendments to reflect outside factors.

Asset Type Report for Water Projects

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Water CIP Cost of Service Study Estimates by Asset Type Compared with Expenditures Fiscal Year 2015

(Financial data was run on August 10 and may not be final)

	[A]	[B]	[C]	[D]
PROJECT TYPE	Original COSS FY15 (fr December 2012)	FY15 Actual Expenditures Pds 1-12	Percentage of Execution [A]/[B]	Variance from Original COSS (Pds 1-12) [B] - [A]
Groundwater	\$170,000	\$0	0.00%	(\$170,000)
Other	\$4,657,214	\$936,355	20.11%	(\$3,720,859)
Recycled Water	\$210,214	\$902,882	429.51%	\$692,668
Water Pipelines	\$27,004,309	\$45,998,924	170.34%	\$18,994,615
Water Pipelines - Transmission	\$16,733,566	\$13,408,068	80.13%	(\$3,325,498)
Water Pump Station	\$14,040,745	\$4,081,620	29.07%	(\$9,959,125)
Water Storage	\$12,717,970	\$4,833,301	38.00%	(\$7,884,669)
Water Treatment Plant	\$3,862,283	\$955,400	24.74%	(\$2,906,883)
TOTALS	\$79,396,301	\$71,116,550	89.57%	(\$8,279,751)

"Other" includes water facility security upgrades, installation of solar panels, and Chollas building projects.

Comparison of Original FY15 COS5 to Actual Expenditures for Water Projects
Analysis of Under-Expended Projects

DRAFT

For the Period July 1, 2014 through June 30, 2015

NOTES:

Financial data was run August 18, 2015 and may not be final.
Projects sorted by FY15 difference.
Utilized projects are projects with project Charter Amendments. Not all projects with Charter Amendments are included below because their FY15 difference was not +/- \$1 million (\$500k for Water Pipelines).

TRENDS/OBSERVATIONS:

1. Baseline and Environmental Permitting are top issues for schedule changes.
2. Paying moratorium increases are limiting delivery of the planned projects.
3. Five major pipelines and facilities projects were approved for State Revolving Funds Loans for a total cost savings of \$130 mil.

DEFINITIONS:

Scope Change - Any change in scope that delayed the project for more than three months to incorporate new work or delete a portion of the project.
Award Delays - Projects that were held up longer than five months from the bid opening to NTP for any reason.
Change Order Delaying Progress of Construction - Delays caused by construction change orders.
Project Closed - Project has been completed.
Project Cancelled - Project has been cancelled.
Other - Does not fit into any of the other category. Detailed explanation must be provided.

		TOTAL PROJECT					FY 15 ONLY			DEFINITIONS FOR EACH OF THE CATEGORIES ARE LISTED ABOVE												
WBS	Project Name	Original COS5 Estimated Total Project Cost	PG Estimated Project Cost	Difference (Original COS5 less Current PG Estimated Total Project Cost)	Expenditures to Date	% Spent (Expenditures / Revised FY15 Cost)	Project Phase	FY15 Original COS5 Pbs 1-12	FY15 Pbs 1-12 Actuals	Difference	Scope Change	Award Delays	Change Orders Delaying Progress at Construction	Project Closed	Project Cancelled	Other - MUST PROVIDE COMPLETE DETAILS IN NOTES COLUMN	NOTES - DETAILED EXPLANATION FOR "OTHER"	COS5 Projected NTP	Revised NTP	Days Late		
Other																						
B1000	SWM BMP Implementation	N/A	TBD		\$240,643		Planning Phase	\$1,813,305	\$154,678	(\$1,658,627)							Project is behind schedule because the scope changed from the Public Utilities Department to Citywide	N/A	N/A			
B1001	Barnett Home	\$5,332,243	N/A		\$367,537		Planning Phase	\$1,353,242	\$0	(\$1,353,242)							Project cancelled	N/A	N/A			
B1002	Cholla Building	\$17,700,000	\$22,500,000	(\$4,800,000)	\$779,316	3.40%	Red and Award	\$1,495,547	\$10,704	(\$1,185,843)								10/11/2013	3/26/2014	69		
Subtotal Other		\$23,032,243	\$22,500,000	(\$4,800,000)	\$601,378			\$4,617,214	\$65,382	(\$4,151,832)												
Water Pipelines																						
B0002	Water Group Job 525C	\$4,889,744	\$4,889,744	\$0	\$291,818	5.95%	Design	\$1,552,321	\$22,676	(\$1,529,645)							Part and BHP Exemptions issue	8/29/2014	11/29/2014	50		
B1017	Water Group Job 526	\$7,129,331	\$5,692,899	\$1,436,432	\$5,443,764	95.62%	Post Construction	\$1,406,740	\$91,893	(\$1,314,847)							lets with PFI4 expenditure	4/30/2012	4/30/2012	0		
B1106	Sewer & Water Group 946 (W)	\$4,586,431	\$4,142,429	(\$444,002)	\$773,821	17.50%	Construction	\$1,516,076	\$99,355	(\$1,416,721)								8/2/2014	4/6/2015	179		
B1207	Water Group 962	\$1,390,000	\$2,619,947	(\$1,229,947)	\$461,470	18.38%	Construction	\$1,473,046	\$73,892	(\$1,399,154)							Overestimated COS5 NTP 6/9/15	7/6/2014	5/12/2015	327		
B1017	Water Group Job 523	\$4,913,561	\$4,949,373	(\$35,812)	\$4,789,823	96.80%	Post Construction Phase	\$1,811,394	\$0	(\$1,811,394)								3/13/2012	TBD			
B1105	Water Group Job 529	\$1,255,000	\$1,010,800	\$244,200	\$177,582	9.23%	Design	\$1,353,688	\$83,478	(\$1,270,210)							Project still in planning. Scope and schedule are still being defined	9/1/2014	4/14/2017	709		
B1106	Water Group Job 548	\$6,486,010	\$5,845,819	\$640,191	\$4,518,816	77.28%	Construction	\$1,131,064	\$69,347	(\$1,061,717)							waiting to lose of water supply for the community, delayed	3/24/2013	4/11/2013	32		
B0010	Water Group 525 E	\$2,380,375	\$2,589,275	\$0	\$275,852	10.68%	Design	\$725,478	\$55,130	(\$670,348)							Part and BHP Exemptions issue	9/29/2014	11/30/2014	583		
B1108	Water Group 787	\$5,174,232	\$5,174,232	\$0	\$7,468,953	81.62%	Post Construction	\$688,779	\$2,191	(\$686,588)								9/13/2011	9/13/2013	0		
B1001	Sewer & Water GJ Crown Pt. / Ocala Plaza (W)	\$2,195,559	\$2,674,476	(\$478,917)	\$175,097	5.89%	Design	\$956,470	\$41,839	(\$914,631)								8/12/2013	9/6/2014	799		
B1207	Water and Sewer Group 965 (W)	\$2,833,892	\$2,914,600	(\$80,708)	\$249,463	8.50%	Design	\$62,249	\$159,105	(\$196,856)							properties and water apt regarding the PFI	12/12/2014	7/8/2016	421		
B1419	USD Water Main Replacement - Phase I	TBD	\$1,498,719		\$579,845	35.84%	Construction	\$0	\$529,522	\$529,522							No expenditures projected for FY15 on COS5	N/A	8/25/2015			
B0007	Sewer & Water Group 691 (W)	\$415,913	\$1,167,596	(\$751,683)	\$1,119,654	110.12%	Construction	\$225,645	\$793,534	\$567,889							Accelerated schedule	3/19/2014	3/6/2014	11		
B0006	Sewer & Water Group 693 (W)	\$273,142	\$1,885,784	(\$1,612,642)	\$1,693,242	94.10%	Construction	\$36,505	\$687,165	\$650,660								4/12/2013	6/24/2013	54		
B1416	AC Water Group 1006	N/A	\$3,251,363		\$623,333	18.84%	Construction	\$0	\$589,800	\$589,800								N/A	9/17/2015			
B1507	Emergency - 18" Ditch - 5 & 1M Bay Dr	N/A	TBD		\$629,109			\$0	\$629,109	\$629,109								No expenditures projected for FY15 on COS5	N/A	TBD		
B0006	Sewer & Water Group 694	\$1,548,010	\$1,814,895	(\$266,885)	\$1,798,446	93.78%	Construction	\$391,040	\$1,221,158	\$830,118							Construction was awarded 4 months ahead of estimated COS5 date for NTP	6/19/2014	3/26/2014	47		
B0010	Sewer & Water Group 828	\$1,799,591	\$1,911,380	(\$111,789)	\$1,841,482	96.34%	Construction	\$407,054	\$1,874,488	\$1,467,434							Contractor billing delay, caught up in FY15	8/29/2013	10/1/2013	29		
B0008	Water Group 618	\$7,129,949	\$5,462,975	\$1,666,974	\$4,371,628	80.04%	Construction	\$941,328	\$1,540,658	\$649,330								8/14/2013	7/21/2013	-18		
B1104	Water Group Job 546	\$2,604,610	\$2,592,110	\$12,500	\$2,867,160	112.34%	Construction	\$964,759	\$1,176,635	\$211,876								3/22/2013	10/16/2013	36		
B0010	Water & Sewer Group 914	\$3,326,500	\$4,542,578	(\$1,216,078)	\$3,679,040	96.76%	Construction	\$37,262	\$616,478	\$579,216							COS5 was underestimated	7/14/2015	9/30/2017	469		
B1407	CALTRANS - I-5 & Genesee Bridge Potable Wtr PPs	N/A	TBD		\$900,000			\$0	\$900,000	\$900,000									N/A	N/A		
B1010	Water and Sewer Group Job 528 (W)	\$1,988,019	\$3,885,233	\$2,897,214	\$3,343,165	90.69%	Construction	\$206,902	\$1,826,808	\$1,619,906								including change orders	4/30/2013	5/16/2013	12	
B1118	Water Group Job 559	\$2,887,645	\$2,681,813	\$205,832	\$2,751,844	102.51%	Construction	\$0	\$1,874,992	\$1,874,992								No expenditures projected for FY15 on COS5	5/14/2013	11/22/2013	139	
B1502	La Jolla View Reservoir	N/A	\$16,380,800		\$1,054,909	6.47%	Land Acquisition	\$0	\$1,054,909	\$1,054,909									N/A	10/14/2016		
B1407	Water 787 - Fairmount & Ridgeview Dr.	TBD	\$1,339,998		\$1,183,898	88.39%	Construction	\$0	\$1,155,288	\$1,155,288									N/A	5/1/2014		
B1104	Water & Sewer Group 946 (W)	\$4,351,853	\$4,616,619	(\$264,766)	\$3,059,335	66.27%	Construction	\$1,141,396	\$3,413,702	\$2,272,306								No expenditures projected for FY15 on COS5	3/11/2013	4/11/2013	15	
B1106	Water Group Job 536	\$4,848,050	\$5,173,268	(\$325,218)	\$4,888,953	87.82%	Construction	\$1,728,828	\$1,474,842	(\$253,986)								additional resurfacing due to poor street conditions	1/28/2014	3/6/2014	27	
B1154	Water and Sewer Group Job 957 (W)	\$3,058,228	\$3,784,432	(\$726,204)	\$3,505,941	94.64%	Construction	\$339,887	\$1,841,567	\$1,501,680								bid sites at low	4/23/2013	9/25/2015	113	
B0010	Sewer & Water Group 909	\$2,926,433	\$4,967,842	(\$2,041,409)	\$3,874,590	78.01%	Construction	\$693,179	\$2,077,296	\$1,384,117								mitigation - Archaio	11/6/2012	11/7/2012	1	
B0008	El Monte Pipeline No 2	\$3,749,000	\$3,749,000	\$0	\$2,245,638		Planning Phase	\$0	\$1,878,463	\$1,878,463								No expenditures projected for FY15 on COS5	N/A	N/A	N/A	
B1104	Water Group Job 548	\$2,860,000	\$3,559,949	(\$699,949)	\$1,881,336	66.74%	Construction	\$25,158	\$2,087,428	\$2,062,270								Project schedule ahead of 2012 COS5	3/23/2015	11/26/2013	-441	
B1320	AC Water & Sewer Group 1001 (W)	TBD	\$3,718,545		\$3,718,545	72.95%	Construction	\$0	\$2,691,647	\$2,691,647								No expenditures projected for FY15 on COS5	N/A	6/30/2014		
Subtotal Water Pipelines		\$30,430,281	\$32,832,843	(\$2,402,562)	\$28,445,257			\$18,743,119	\$23,772,458	\$5,029,339												
Water Pipelines - Transmission																						
B1302	University Ave Pipeline Replacement	\$15,100,000	\$26,000,000	(\$10,900,000)	\$2,938,314	11.28%	Construction	\$4,197,786	\$1,111,831	(\$3,085,955)								Project behind schedule because of Caltrans permit and added scope	10/14/2014	2/21/2015	91	
Subtotal Water Pipelines - Transmission		\$15,100,000	\$26,000,000	(\$10,900,000)	\$2,938,314			\$4,197,786	\$1,111,831	(\$3,085,955)												
Water Pump Station																						
B1204	Tarascote (Via Delmonico) Pump Station	\$11,228,000	\$36,688,861	(\$25,460,861)	\$1,058,816	8.09%	Design	\$7,020,265	\$309,706	(\$6,710,559)								Right of way acquisition required Eminent Domain. PUD scope addendum. Consultant increased the construction estimate approximately 25M.	4/30/2014	1/19/2016	461	
B1102	College Ranch Hydro Pump Station	\$2,428,118	\$3,183,190	(\$755,072)	\$1,021,984	11.12%	Design	\$2,499,104	\$18,814	(\$2,480,290)								Consultant is behind schedule. PUD Scope addendum. Consultant increased the construction estimate approximately 25M.	9/3/2014	11/20/2015	401	
Subtotal Water Pump Station		\$13,656,118	\$40,872,051	(\$27,215,933)	\$2,080,800			\$9,722,369	\$498,548	(\$8,223,821)												

Comparison of Original FY15 COSs to Actual Expenditures for Water Projects
Analysis of Under-Expended Projects

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For the Period July 1, 2014 through June 30, 2015

NOTES:

Financial data was run August 18, 2015 and may not be final.
Projects sorted by FY15 difference.
Initiated projects are projects with project Charter Amendments. Not all projects with Charter Amendments are included below because their FY15 difference was not +/- \$1 million (\$500k for Water Pipelines).

TRENDS/OBSERVATIONS:

1. Easement and Environmental Permitting are top issues for schedule changes.
2. Paying moratorium increases are limiting delivery of the planned projects.
3. Five major pipelines and facilities projects were approved for State Revolving Funds Loans for a total cost savings of \$130 mil.

DEFINITIONS:

Scope Change - Any change in scope that delayed the project for more than three months to incorporate new work or delete a portion of the project.
Award Delays - Projects that were held up longer than five months from the bid opening to NTP for any reason.
Change Order Delaying Progress of Construction - Delays caused by construction change orders.
Project Closed - Project has been completed.
Project Cancelled - Project has been cancelled.
Other - Does not fit into any of the other category. Detailed explanation must be provided.

TOTAL PROJECT								FY 15 ONLY			DEFINITIONS FOR EACH OF THE CATEGORIES ARE LISTED ABOVE									
WBS	Project Name	Original COSs Estimated Total Project Cost	PG Estimated Project Cost	Difference (Original COSs less Current PG Estimated Total Project Cost)	Expenditures to Date	% Spent (Expenditures / Revised PG Cost)	Project Phase	FY15 Original COSs Pub 1-12	FY15 Pub 1-12 Actuals	Difference	Scope Change	Award Delays	Change Orders Delaying Progress at Construction	Project Closed	Project Cancelled	Other - MUST PROVIDE COMPLETE DETAILS IN NOTES COLUMN	NOTES - DETAILED EXPLANATION FOR "OTHER"	COSs Projected UNTP	Revised USTP	Days Late
Water Storage																				
B11970	La Jolla View Reservoir	\$1,870,000	\$34,000,000	(\$32,130,000)	\$4,307	0.02%	Land Acquisition Phase	\$1,264,179	(\$14,116)	(\$12,876,295)						(\$12,876,295)	Did environmental permit review delay	9/21/2014	TBD	
200941	Mirano Reservoir Outlet Tower Upgrade	\$1,690,000	\$23,266,890	(\$21,576,890)	\$1,171,290	8.92%	Design	\$3,493,958	\$672,671	(\$2,821,287)	(\$2,821,287)							4/1/2014	1/3/2017	742
B11824	La Jolla Country Club Reservoir	\$6,025,000	\$4,762,860	(\$1,262,140)	\$960,261	14.45%	Design	\$2,596,460	\$193,194	(\$2,397,666)	(\$1,408,193)					(\$948,863)	increased \$104,500	4/8/2014	7/27/2016	613
B13158	Lake Hodges Dam Modification	\$3,000,000	\$3,000,000	\$0	\$324,234	10.81%	Design	\$1,377,469	\$129,717	(\$1,247,752)						(\$1,247,752)	COSs estimated prepared by FUD	N/A	9/17/2017	
B00125	Catalina Standpipe Renovation	\$3,425,000	\$5,022,714	(\$1,597,714)	\$4,605,024	91.70%	Construction	\$261,515	\$1,944,484	\$1,682,971	\$1,145,714					(\$1,757,714)	charter amendments	9/22/2013	9/22/2017	0
	Subtotal Water Storage	\$27,989,600	\$46,179,864	(\$18,179,064)	\$7,296,197			\$16,977,579	\$2,396,156	(\$14,643,423)	(\$3,084,270)	\$0	\$0	\$0	\$0	(\$6,957,158)				
Water Treatment Plant																				
B11816	Mineral Contract A-Raft System Redesign	TBD	N/A		\$47,358		Post Construction Phase	\$3,181,978	\$0	(\$3,181,978)						(\$3,181,978)	Funds put aside for legal settlement. Settlement was reached without having to spend any funds.	N/A	N/A	
	Subtotal Water Treatment Plant	\$0	\$0	\$0	\$47,358			\$3,181,978	\$0	(\$3,181,978)	\$0	\$0	\$0	\$0	\$0	(\$3,181,978)				
		\$170,888,650	\$246,641,690	(\$76,753,040)	\$87,711,879			\$51,479,845	\$37,176,763	(\$14,303,082)	(\$12,316,289)	\$1,872,103	\$991,363	(\$1,617,276)	(\$1,353,267)	(\$1,878,891)				
	Remaining 150 Water Projects							\$17,917,256	\$23,939,787	\$6,022,531										
	Original Cost of Service Study							\$79,396,383	\$71,116,528	(\$8,279,855)										

Asset Type Report for Wastewater Projects

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Wastewater CIP Cost of Service Study Estimates by Asset Type Compared with Expenditures Fiscal Year 2015

(Financial data was run on August 10 and may not be final)

	[A]	[B]	[C]	[D]
	Original COSS FY15 (fr December 2012)	FY15 Actual Expenditures Pds 1-12	Percentage of Execution [A]/[B]	Variance from Original COSS (Pds 1-12) [B] - [A]
PROJECT TYPE				
Large Sewer Pump Station	\$2,988,337	\$952,863	31.89%	(\$2,035,474)
Metro Pump Station	\$0	\$225,774		\$225,774
Muni Pump Station	\$2,858,351	\$4,643,208	162.44%	\$1,784,857
Other	\$4,729,788	\$524,386	11.09%	(\$4,205,402)
Sewer Pipelines	\$64,419,428	\$65,687,384	101.97%	\$1,267,956
Sewer Treatment Plants	\$21,127,840	\$19,445,184	92.04%	(\$1,682,656)
Trunk Sewers	\$6,992,020	\$1,867,328	26.71%	(\$5,124,692)
TOTALS	\$103,115,764	\$93,346,127	90.53%	(\$9,769,637)

"Other" includes installation of Backup Generators at Wastewater Facilities, the EMT&S Boat Dock & Steam Line Relocation, Wet Weather Storage Facility - Live Stream Discharge, and the EAM ERP Implementation.

Comparison of Original FY15 COSS to Actual Expenditures for Wastewater Projects
Analysis of Under-Expended Projects
For the Period July 1, 2014 through June 30, 2015

DRAFT

NOTES:

- Financial data was run August 18, 2015 and may not be final
- Projects sorted by FY15 difference
- Italicized projects are projects with project Charter Amendments. Not all projects with Charter Amendments are included below because their FY15 difference was not +/- \$1 million.

TRENDS/OBSERVATIONS:

a. Exemptions and Environmental/Permitting are top issues for schedule changes
b. Paving momentum increases are limiting delivery of the planned projects

Definitions:

Scope Change - Any change in scope that delayed the project for more than three months to incorporate new work or delete a portion of the project
Award Delays - Projects that were held up longer than five months from the bid opening to RFP for any reason
Contractor or Billing Delays - Delays in the billing process due to contractor error or otherwise
Project Savings - Project came in under the estimated construction cost or a larger than needed sum was earned in the project to cover contingencies
Other - Does not fit into any of the other category. Detailed explanation must be provided

WBS	Project Name	TOTAL PROJECT					FY15 ONLY			DEFINITIONS FOR EACH OF THE CATEGORIES ARE LISTED ABOVE					COSS Projected UNTP	Revised UNTP	Deviate
		Original COSS Estimated Total Project Cost	PE Estimated Project Cost	Difference (Original COSS less Current PE Estimated Total Project Cost)	Expenditures to Date	% spent (Expenditures / Revised FY15 Cost)	Original FY15 COSS Pdc 1-12	FY15 Pdc 1-12 Actual	Difference	Scope Change	Award Delays	Contractor or Billing Delays	Project Savings	Other - MUST PROVIDE COMPLETE DETAILS IN NOTES COLUMN			
	Large Sewer Pump Station																
300112	PS2 Power Reliability & Surge Protection	\$21,200,000	\$43,100,000	(\$21,900,000)	\$2,259,565	5.24%	Design Phase	\$2,540,000	\$713,475	(\$1,826,525)				(\$1,826,525)			288
	Subtotal Large Sewer Pump Station	\$21,200,000	\$43,100,000	(\$21,900,000)	\$2,259,565			\$2,540,000	\$713,475	(\$1,826,525)	\$0	\$0	\$0	\$0			
	Muni Pump Station																
300108	PS 84 Upgrade & PS 62 Abandon	\$9,320,400	\$10,320,400	(\$1,000,000)	\$9,141,044	89.57%	Construction Phase	\$0	\$1,228,381	\$1,228,381	\$409,394	\$409,394	\$409,394				-14
	Subtotal Muni Pump Station	\$9,320,400	\$10,320,400	(\$1,000,000)	\$9,141,044			\$0	\$1,228,381	\$1,228,381	\$409,394	\$409,394	\$0	\$409,394			
	Other																
314008	CAH ERP Implementation	\$3,075,000	\$5,876,000	\$0	\$366,962	11.76%	Planning Phase	\$2,886,195	\$232,817	(\$2,653,378)				(\$2,653,378)			
300119	EMTS Boat Dock & Storm Line Relocation	\$2,013,515	\$2,018,528	\$0	\$73,171	3.62%	Design Phase	\$1,380,163	\$70,372	(\$1,309,791)				(\$1,309,791)			
	Subtotal Other	\$5,088,515	\$5,894,528	\$0	\$438,133			\$4,066,358	\$303,189	(\$3,763,169)	\$0	\$0	\$0	\$0			
	Sewer Pipelines																
313094	PIPELINE REHABILITATION-Y-1	\$6,977,000	\$3,898,872	(\$3,078,128)	\$3,732,096	85.46%	Construction Phase	\$3,230,000	\$1,340,473	(\$1,889,527)				(\$1,889,527)			-25
313022	WATER AND SEWER GROUP JOB 930 (S)	\$1,563,564	\$1,796,787	(\$233,223)	\$1,411,528	78.54%	Construction Phase	\$6,878	\$1,892,644	\$1,885,766				\$1,885,766			32
300415	SEWER SJ RLS	\$1,997,581	\$4,627,264	(\$2,629,683)	\$5,848,421	83.17%	Construction Phase	\$1,154,316	\$3,321,361	\$2,167,045				\$1,867,045			-31
	Subtotal Sewer Pipelines	\$10,537,515	\$10,323,879	(\$213,636)	\$10,972,645			\$4,391,284	\$5,554,480	\$1,163,196	\$0	\$0	\$0	\$0			
	Sewer Treatment Plants																
300338	MBC Sewerage Centrifuges Replaces set	\$1,200,000	\$1,232,041	(\$32,041)	\$4,495,979	36.59%	Construction Phase	\$3,486,000	\$214,513	(\$3,271,487)				(\$3,271,487)			-26
300122	MBC Odor Control Facility Upgrades	\$6,200,000	\$6,413,632	(\$213,632)	\$1,500,286	16.66%	Design Phase	\$2,227,167	\$196,522	(\$2,030,645)				(\$2,030,645)			290
310578	MBC Chemical System Improvements Phase 2	\$5,075,000	\$6,895,354	(\$1,820,354)	\$1,120,138	18.89%	Bid and Award Phase	\$3,086,000	\$191,577	(\$2,894,423)				(\$2,894,423)			470
312036	Backup Generation at RPS's, TP & EMTS	\$1,745,600	\$1,745,600	\$0	\$13,734,773	77.48%	Construction Phase	\$4,265,529	\$5,245,890	\$1,139,361				\$1,139,361			6
300118	Sewer Plant Demise/Relocation	\$3,275,139	\$5,975,696	(\$2,699,557)	\$2,881,965	84.02%	Construction Phase	\$326,824	\$1,481,878	\$1,155,054				\$1,155,054			108
300122	MBC Biosolids Storage Silos	\$7,553,500	\$9,647,038	(\$2,093,538)	\$6,108,759	80.62%	Construction Phase	\$1,920,574	\$5,571,400	\$3,650,826				\$3,650,826			-14
	Subtotal Sewer Treatment Plant	\$11,886,239	\$27,775,542	(\$15,889,303)	\$10,569,940			\$14,988,137	\$13,270,966	(\$1,717,171)				(\$1,717,171)			
	Trunk Sewers																
313025	Rose Canyon T&E (RCTE) Joint Repair	\$6,233,000	\$6,233,000	\$0	\$300,567	4.82%	Design Phase	\$1,315,000	\$284,322	(\$1,030,678)				(\$1,030,678)			703
	Subtotal Trunk Sewers	\$6,233,000	\$6,233,000	\$0	\$300,567			\$1,315,000	\$284,322	(\$1,030,678)	\$0	\$0	\$0	\$0			
		\$114,226,697	\$132,665,298	(\$18,438,601)	\$51,201,826			\$29,318,844	\$21,129,853	(\$8,188,991)	\$6,100,372	\$247,433	\$1,169,154	\$489,393	(\$5,162,833)		
	Remaining 210 Wastewater Projects							\$73,006,920	\$72,216,274	(\$790,646)							
	Original Cost of Service Study							\$69,135,764	\$95,146,327	(\$26,010,563)							

FY15 IROC REPORT - FOURTH QUARTER - WATER PROJECTS
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As of June 30, 2015

DRAFT

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CH = Project Charter in place
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WATER PROJECTS								Start Date	Planning/Design/Award Phase			Construction Phase			Project Charter/Amendment P6 info as of July 1st, 2015 Data Date
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	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	
	OTHER														
S11025	* Chollas Building	\$17,700,000	\$22,500,000	\$778,316	\$142,798	\$21,578,886	3.5%	2/1/10 A	6/1/2011	6/1/2011	0	11/8/2016	7/17/2018	452	No Project Charter or Amendment
S15022	S Chollas Landfill BMP, LFG & Overlay	N/A	\$11,000,000	\$0	\$1,964,289	\$9,035,711	0.0%		N/A	10/8/2014		N/A	12/28/2015		No Project Charter or Amendment
S11105	* WDSU - Enclosed Pumps - PH. II	\$4,590,000	\$4,590,000	\$4,675,347	\$6,803	\$92,150	101.9%	6/10/10 A	9/20/2011	9/20/2011	0	8/21/2013	10/1/2014	298	No Project Charter or Amendment
S11106	* WDSU - Reservoirs & Dams - PH. II	\$1,000,000	\$3,480,000	\$434,487	\$31,095	\$3,014,418	12.5%	6/10/10 A	11/21/2011	4/14/2016	1178	7/24/2014	11/9/2017	883	No Project Charter or Amendment
S14022	MOC Complex Solar Project	N/A	\$2,675,000	\$11,137	\$0	\$2,663,863	0.4%		N/A	9/1/2015		N/A	9/2/2016		Charter Only
S11107	* WDSU - Water Tanks & Standpipes - PH. II	\$2,402,000	\$2,402,000	\$2,279,633	\$3,636	\$118,730	94.9%	6/10/10 A	9/20/2011	9/20/2011	0	8/21/2013	10/1/2014	208	No Project Charter or Amendment
S14021	Bayview Reservoir Solar Project	N/A	\$2,325,000	\$31,735	\$0	\$2,293,265	1.4%		N/A	9/1/2015		N/A	9/2/2016		No Project Charter or Amendment
B13175	Camino Del Sur Pipeline Cathodic System	TBD	TBD	\$25,354	\$3,767				N/A	TBD		N/A	6/30/2015		
B15073	Direct Transfer PS Land Acquisition	N/A	TBD	\$54,462	\$8,125				N/A	TBD		N/A	TBD		
S14000	EAM ERP Implementation	N/A	TBD	\$240,641	\$159,429				N/A	TBD		N/A	TBD		
S15043	Chollas Material Bins	N/A	TBD	\$916	\$0				N/A	TBD		N/A	TBD		
	RECYCLED WATER														
B15080	Sorrento Mesa Recycled Water PL	N/A	\$2,837,000	\$72,234	\$0	\$2,764,766	2.5%		N/A	3/30/2015		N/A	11/1/2016		Charter Only
S10010	* Recycled Water System Upgrades	\$910,000	\$2,077,600	\$2,047,881	\$10,367	\$19,351	98.6%	6/1/11 A	2/1/2012	2/1/2012	0	TBD	6/19/2014		No Project Charter or Amendment
B00161	* Pacific Highlands Ranch Recycled Water Pipeline	\$1,600,000	\$1,600,000	\$1,327,358	\$189,696	\$82,946	83.0%	4/1/11 A	11/18/2011	10/28/2011	-15	6/30/2014	1/30/2015	157	
S12014	Recycled Water Tank Modifications	TBD	\$1,300,000	\$114,646	\$0	\$1,185,354	8.8%		N/A	11/24/2014		N/A	5/18/2017		Charter Only
B14170	Canyonside Recycled WPS Drain Relocation	N/A	\$300,000	\$38,267	\$0	\$261,733	12.8%		N/A	12/15/2016		N/A	5/29/2018		Charter Only
B14143	Penasquitos Creek Park RW Retrofit	N/A	TBD	\$11,460	\$0				N/A	TBD		N/A	TBD		
	WATER PIPELINES														
S12015	* Pacific Beach Pipeline	\$21,073,000	\$27,516,758	\$1,934,008	\$64,427	\$25,518,322	7.0%	3/28/12 A	5/14/2015	11/4/2015	128	5/15/2018	11/27/2019	411	No Project Charter or Amendment
S15027	La Jolla View Reservoir	N/A	\$16,300,000	\$1,054,909	\$323,447	\$14,921,644	6.5%		N/A	4/10/2018		N/A	2/13/2020		No Project Charter or Amendment
S12028	* Harbor Drive Pipelines Replacement	\$10,171,000	\$11,166,795	\$10,228,396	\$7,142	\$931,257	91.6%	3/19/09 A	9/30/2011	9/30/2011	0	9/26/2013	9/17/2014	261	No Project Charter or Amendment
B15069	Sewer and AC Water Group 778 (W)	N/A	\$10,461,301	\$50,501	\$0	\$10,410,800	0.5%		N/A	12/11/2015		N/A	4/13/2020		Charter Only
S13015	Water & Sewer Group Job 816 (W)	\$9,747,920	\$9,747,920	\$253,285	\$0	\$9,496,635	2.6%	9/1/2008	TBD	7/1/2015		TBD	6/5/2018		Charter Only
B15156	AC Water & Sewer Group 1013 (W)	N/A	\$9,597,000	\$37,556	\$0	\$9,559,444	0.4%		N/A	11/30/2016		N/A	1/23/2018		No Project Charter or Amendment
B13186	Water and Sewer GI 955 (W)	TBD	\$7,648,600	\$249,659	\$0	\$7,398,941	3.3%	9/6/13 A	N/A	6/13/2016		N/A	3/23/2018		Charter Only
B15122	AC Water Group 1028	N/A	\$7,414,100	\$85,804	\$0	\$7,328,297	1.2%		N/A	12/24/2015		N/A	3/20/2018		
B15105	Meadow Lark Dr/Health Center Dr Water Main	N/A	\$6,860,000	\$42,552	\$0	\$6,817,448	0.6%		N/A	8/12/2015		N/A	10/18/2018		Charter Only
B15174	AC Water and Sewer Group 1029 (W)	N/A	\$6,854,000	\$7,220	\$0	\$6,846,780	0.1%		N/A	2/2/2016		N/A	2/9/2017		No Project Charter or Amendment
B15070	Sewer and AC Water Group 793 (W)	N/A	\$6,181,300	\$9,597	\$0	\$6,171,703	0.2%		N/A	12/20/2018		N/A	1/3/2022		No Project Charter or Amendment
B11036	* Water Group Job 940	\$4,586,431	\$6,162,629	\$773,821	\$468,269	\$4,920,539	12.6%	8/10/11 A	1/28/2014	11/25/2014	221	4/29/2016	2/3/2017	205	No Project Charter or Amendment
B11045	* Water Group Job 949	\$6,496,010	\$5,845,819	\$4,518,436	\$870,053	\$457,329	77.3%	1/14/11 A	5/16/2012	5/16/2012	0	2/10/2015	8/4/2015	128	No Project Charter or Amendment
B15112	AC Water Group 1019	N/A	\$5,604,443	\$29,163	\$0	\$5,575,280	0.5%		N/A	11/3/2015		N/A	12/7/2017		Charter Only
B00018	* Sewer and Water Group 616	\$7,129,949	\$5,462,975	\$4,372,628	\$790,160	\$300,187	80.0%	12/1/09 A	2/19/2013	4/9/2013	36	6/20/2014	7/7/2015	289	No Project Charter or Amendment
B11006	* Water Group Job 936	\$4,848,050	\$5,121,268	\$4,498,053	\$590,979	\$32,236	87.8%	9/1/10 A	7/17/2013	12/2/2013	101	6/30/2015	9/1/2015	46	No Project Charter or Amendment
B00102	* Sewer & Water Group 809	\$2,836,439	\$4,967,842	\$3,874,990	\$930,421	\$162,431	78.0%	6/2/03 A	2/26/2013	6/17/2013	81	10/10/2014	1/4/2016	133	No Project Charter or Amendment
B00032	* Water Group Job 525C	\$4,889,744	\$4,889,744	\$291,018	\$0	\$4,598,726	6.0%	6/24/99 A	2/18/2014	4/19/2016	580	11/5/2015	1/9/2018	584	No Project Charter or Amendment
B15078	AC Water & Sewer Group 1014 (W)	N/A	\$4,692,600	\$75,544	\$0	\$4,617,056	1.6%		N/A	4/29/2016		N/A	8/29/2017		Charter Only
B11042	* Water Group Job 946	\$4,351,853	\$4,616,619	\$3,059,535	\$1,098,457	\$458,627	66.3%	7/25/11 A	10/10/2012	10/10/2012	0	3/5/2015	8/5/2015	112	No Project Charter or Amendment
B11038	* Water Group Job 942	\$4,418,000	\$4,596,000	\$693,565	\$0	\$3,902,435	15.1%	11/1/11 A	5/23/2014	6/1/2015	274	11/5/2015	10/25/2016	260	Charter Only

FY15 IROC REPORT - FOURTH QUARTER - WATER PROJECTS

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B00108	* Water & Sewer Group 814	\$3,328,500	\$4,542,578	\$1,670,040	\$2,398,235	\$474,302	36.8%	9/1/2008	12/2/2014	5/27/2013	-406	9/5/2017	5/31/2016	-339	Charter Only
B11137	* Water Group Job 958	\$5,156,200	\$4,488,263	\$4,398,511	\$78,723	\$11,028	98.0%	4/1/11 A	12/14/2012	1/2/2013	14	4/1/2014	10/17/2014	146	No Project Charter or Amendment
B14144	AC Water & Sewer Group 1016 (W)	TBD	\$4,327,424	\$123,992	\$380,370	\$3,823,062	2.9%		N/A	11/26/2014		N/A	8/3/2017		Charter Only
B15041	AC Water & Sewer Group 1011 (W)	N/A	\$4,239,000	\$91,037	\$18,737	\$4,129,226	2.1%		N/A	10/5/2016		N/A	11/2/2018		Charter Only
B14117	AC Water & Sewer Group 1008 (W)	N/A	\$4,144,000	\$166,249	\$16,233	\$3,961,518	4.0%	1/15/14 A	N/A	11/30/2015		N/A	12/2/2016		Charter Only
B13230	AC Water & Sewer Group 1001 (W)	TBD	\$3,728,545	\$2,720,007	\$696,615	\$311,923	73.0%	6/3/13 A	TBD	1/23/2014		3/16/2015	11/18/2015	187	Charter Only
B11154	* Water and Sewer Group Job 957 (W)	\$3,058,228	\$3,704,622	\$3,505,941	\$392,147	-\$193,466	94.6%	6/1/11 A	12/4/2012	1/9/2013	26	2/27/2014	6/18/2015	349	No Project Charter or Amendment
B10190	* Water and Sewer Group Job 930 (W)	\$3,988,025	\$3,689,223	\$3,345,669	\$154,599	\$188,955	90.7%	4/1/10 A	12/5/2012	11/19/2012	-12	3/18/2014	8/18/2015	380	No Project Charter or Amendment
B11040	* Water Group Job 944	\$2,860,000	\$3,599,999	\$3,483,336	\$0	\$116,663	96.8%	11/1/11 A	12/9/2014	11/8/2013	-290	6/27/2016	5/15/2015	-300	No Project Charter or Amendment
B11048	* Water Group Job 952	\$2,100,000	\$3,570,000	\$564,871	\$0	\$3,005,129	15.8%	2/1/2010	10/16/2014	12/21/2016	584	12/1/2015	10/12/2017	499	Charter Only
S10055	* Lindbergh Field 16" Cast Iron Main Replacement	\$6,297,662	\$3,330,082	\$3,149,569	\$115,518	\$64,995	94.6%	3/19/09 A	11/30/2011	11/30/2011	0	7/18/2013	9/17/2014	312	No Project Charter or Amendment
B15036	AC Water Group 1007	N/A	\$3,330,000	\$98,586	\$0	\$3,231,414	3.0%		N/A	11/5/2015		N/A	5/1/2017		Charter Only
B14116	AC Water & Sewer Group 1006 (W)	N/A	\$3,251,803	\$612,633	\$263,368	\$2,375,802	18.8%	12/2/13 A	N/A	11/28/2014		TBD	11/20/2015		Charter & Amendment
B14099	Water Group 968	N/A	\$3,167,500	\$272,137	\$0	\$2,895,363	8.6%	1/2/14 A	N/A	10/28/2016		TBD	2/26/2018		Charter Only
B11044	* Water Group Job 948	\$2,890,500	\$3,150,588	\$281,080	\$653,506	\$2,216,002	8.9%	11/1/11 A	2/6/2015	6/4/2014	-181	6/23/2016	1/19/2016	-114	Charter Only
B12072	Water Group Job 963	\$2,572,400	\$3,086,871	\$334,455	\$858,678	\$1,893,738	10.8%	9/1/2008	1/8/2015	6/4/2014	-160	8/25/2016	1/19/2016	-161	Charter Only
B14141	Sewer & AC Water Group 834 (W)	TBD	\$3,065,619	\$197,722	\$0	\$2,867,898	6.4%		N/A	10/2/2015		N/A	4/20/2017		No Project Charter or Amendment
B12057	Water & Sewer Group 965 (W)	\$2,031,992	\$2,934,600	\$249,461	\$0	\$2,685,139	8.5%	9/5/12 A	6/4/2014	12/28/2015	419	12/16/2015	9/21/2016	205	Charter Only
B14127	AC Water Group 1010	TBD	\$2,877,344	\$129,718	\$187,000	\$2,560,626	4.5%		N/A	1/7/2015		N/A	10/25/2016		Charter Only
B15081	AC Woodman St. Pipeline Replacement	N/A	\$2,834,000	\$11,899	\$0	\$2,822,101	0.4%		N/A	3/30/2017		N/A	11/21/2018		Charter Only
B14147	AC Water Group 1005	TBD	\$2,761,656	\$119,419	\$173,000	\$2,469,237	4.3%		N/A	5/1/2015		N/A	10/25/2016		
B15157	AC Water & Sewer Group 1020 (W)	N/A	\$2,700,000	\$32,969	\$0	\$2,667,031	1.2%		N/A	10/31/2016		N/A	2/6/2018		No Project Charter or Amendment
B11138	* Water Group Job 959	\$2,807,645	\$2,681,913	\$2,751,044	\$7,804	-\$76,934	102.6%	4/1/11 A	1/10/2013	7/29/2013	147	12/6/2013	10/20/2014	233	No Project Charter or Amendment
B13011	Sewer & Water GI Crown Pt s la Playa (W)	\$2,195,550	\$2,674,476	\$157,497	\$0	\$2,516,979	5.9%	10/1/12 A	4/8/2013	2/26/2016	773	3/14/2017	6/5/2019	596	No Project Charter or Amendment
B12077	* Water Group Job 962	\$1,990,000	\$2,618,947	\$481,470	\$1,849,956	\$287,521	18.4%	4/2/12 A	2/26/2014	10/31/2014		N/A	5/20/2016		Charter Only
B00131	* Water Group 525 E	\$2,583,375	\$2,583,375	\$275,852	\$0	\$2,307,523	10.7%	1/25/99 A	2/18/2014	4/19/2016	580	11/4/2015	1/10/2018	585	No Project Charter or Amendment
B11041	* Water Group Job 945	\$2,604,610	\$2,552,110	\$2,867,160	\$4,887	-\$319,937	112.3%	1/5/11 A	3/11/2013	4/24/2013	32	5/15/2014	10/31/2014	124	No Project Charter or Amendment
B15106	Sewer & AC Water Group 764 (W)	N/A	\$2,217,944	\$19,182	\$0	\$2,198,762	0.9%		N/A	6/6/2017		N/A	2/13/2019		Charter Only
B14146	AC Water & Sewer Group 1004 (W)	TBD	\$2,163,167	\$254,155	\$1,689,015	\$219,997	11.7%		N/A	1/9/2015		N/A	2/10/2016		Charter Only
B12086	CI - Water and Sewer Group Job 966 (W)	TBD	\$2,122,400	\$235,689	\$13,603	\$1,873,110	11.1%	3/1/2009	TBD	4/7/2016		TBD	8/15/2017		Charter Only
B10187	* Water and Sewer Group 954 (W)	\$1,746,210	\$2,049,400	\$173,614	\$2,764	\$1,873,022	8.5%	1/30/12 A	5/14/2015	11/5/2015	128	TBD	6/6/2017		Charter Only
B14100	Water Group 969	N/A	\$2,047,000	\$280,928	\$0	\$1,766,072	13.7%	1/2/14 A	N/A	7/29/2016		TBD	9/22/2017		Charter Only
B15107	Sewer & AC Water Group 821 (W)	N/A	\$1,995,660	\$22,670	\$13,942	\$1,959,048	1.1%		N/A	5/9/2017		N/A	2/1/2019		
B00035	* Sewer & Water Group 694	\$1,548,010	\$1,914,835	\$1,795,646	\$214,447	-\$95,258	93.8%	12/1/10 A	12/6/2013	12/6/2013	0	10/12/2015	6/22/2015	-82	No Project Charter or Amendment
B00110	* Sewer & Water Group 820	\$1,799,591	\$1,911,380	\$1,841,482	\$113,987	-\$44,089	96.3%	6/2/03 A	12/4/2012	5/1/2013	109	9/30/2014	12/1/2015	313	No Project Charter or Amendment
B11035	* Water Group Job 939	\$1,855,000	\$1,853,000	\$172,562	\$0	\$1,680,438	9.3%	7/1/11 A	3/6/2014	11/1/2016		N/A	12/20/2017		No Project Charter or Amendment
B00036	* Group Job 693 - Northpark	\$271,142	\$1,805,784	\$1,699,242	\$0	\$106,542	94.1%	10/16/01 A	6/1/2012	6/1/2012	0	7/18/2014	3/20/2015	180	No Project Charter or Amendment
B13197	Sewer & AC Water Group 776 (W)	TBD	\$1,775,688	\$170,056	\$0	\$1,605,632	9.6%	11/6/12 A	N/A	7/28/2016		N/A	3/27/2019		Charter Only
B13201	Sewer & AC Water Group 764A (W)	TBD	\$1,767,738	\$51,475	\$0	\$1,716,263	2.9%	TBD	TBD	10/20/2016		N/A	6/4/2018		Charter Only
B15204	USD Water Main Replacement-Phase II	N/A	\$1,686,000	\$14,471	\$0	\$1,671,529	0.9%		N/A	1/8/2015		N/A	9/17/2015		No Project Charter or Amendment
B11007	* Water Group Job 937	\$2,144,110	\$1,656,053	\$1,594,236	\$199,585	-\$137,768	96.3%	6/7/11 A	11/4/2013	9/4/2013	-45	12/30/2014	8/3/2015	158	No Project Charter or Amendment
B14123	USD Water Main Replacement	TBD	\$1,606,739	\$575,845	\$484,039	-\$546,855	35.8%		N/A	1/8/2015		N/A	9/10/2015		Charter Only
B13208	Sewer & AC Water Group 785 (W)	TBD	\$1,575,500	\$303,868	\$19,742	\$1,251,890	19.3%	4/22/13 A	TBD	7/2/2015		10/20/2016	2/27/2017	95	Charter Only
B11101	* Juan Street - Water Pipeline Replacement	\$1,100,000	\$1,557,650	\$328,512	\$1,300,770	-\$71,632	21.1%	2/1/10 A	2/20/2013	2/5/2014	257	6/12/2014	6/1/2016	528	Charter Amendment Only

FY15 IROC REPORT - FOURTH QUARTER - WATER PROJECTS

DRAFT

SCHEDULE OF COST OF SERVICE STUDY (COSS) vs ACTUALS

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B11049	* Water Group Job 953	\$1,698,319	\$1,482,098	\$1,355,910	\$32,336	\$93,852	91.5%	1/5/11 A	11/16/2012	11/16/2012	0	5/27/2014	6/27/2014	23	No Project Charter or Amendment
B14072	Water 787 - Fairmount & Ridgeway Dr.	TBD	\$1,399,998	\$1,189,898	\$188,984	\$21,116	85.0%		N/A	10/31/2013		N/A	10/5/2015		No Project Charter or Amendment
B15071	Sewer and AC Water Group 837 (W)	N/A	\$1,252,820	\$46,033	\$0	\$1,206,787	3.7%		N/A	10/4/2016		N/A	6/26/2018		
B11039	* Water Group Job 943	\$619,500	\$1,114,658	\$998,148	\$17,014	\$99,496	89.5%	7/1/11 A	7/30/2013	2/3/2014	138	9/26/2014	3/18/2015	127	Charter Amendment Only
B00037	* Sewer and Water GI 695 (W)	\$615,912	\$1,107,596	\$1,219,694	\$0	-\$112,098	110.1%	2/5/10 A	8/7/2013	10/21/2013	55	3/23/2015	2/20/2015	-23	No Project Charter or Amendment
B15175	Sewer & AC Water Group 787 (W)	N/A	\$1,100,000	\$588	\$0	\$1,099,412	0.1%		N/A	9/4/2012		N/A	10/29/2015		
B00044	* Sewer & Water Group 711 (CCS) (02)-1	\$1,045,230	\$1,045,230	\$92,217	\$0	\$953,013	8.8%	1/21/99 A	8/19/2016	8/21/2017	269	4/19/2018	4/19/2019	268	No Project Charter or Amendment
B15066	Sewer and AC Water Group 827 (W)	N/A	\$994,527	\$13,456	\$0	\$981,071	1.4%		N/A	7/1/2015		N/A	4/26/2017		No Project Charter or Amendment
B00095	* Manning Canyon Sewer and Water Replacement (W)	\$831,638	\$872,910	\$332,207	\$0	\$540,703	38.1%	12/6/01 A	2/4/2014	8/31/2015	420	7/15/2015	2/15/2017	426	No Project Charter or Amendment
B00074	* Sewer & Water Group 758	\$630,411	\$837,666	\$808,924	\$72,711	-\$43,969	96.6%	2/1/2002	9/13/2011	9/13/2011	0	7/17/2014	2/20/2015	160	No Project Charter or Amendment
B00081	* Sewer & Water Group Job 685	\$1,060,245	\$815,276	\$643,536	\$262,470	-\$90,731	78.9%	11/14/97 A	10/29/2012	10/29/2012	0	9/24/2014	6/3/2015	185	No Project Charter or Amendment
B12058	Water and Sewer Group 967 (W)	TBD	\$795,000	\$229,593	\$0	\$565,407	28.9%	TBD	TBD	1/7/2016		N/A	2/27/2017		Charter Only
B12110	Caltrans Pacific Beach PPL Central (W)	\$694,500	\$765,000	\$148,303	\$0	\$616,697	19.4%	7/9/12 A	4/25/2014	6/3/2016	565	8/8/2017	6/6/2019	489	Charter Only
B15058	Sewer & AC Water Group 752 (W)	N/A	\$732,024	\$98,336	\$464,611	\$169,077	13.4%		N/A	1/22/2015		N/A	3/17/2016		Charter Amendment Only
B12045	* Sewer & Water Group 815 (W)	\$130,500	\$651,531	\$283,444	\$263,956	\$104,131	43.5%	6/2/03 A	10/29/2013	12/13/2013	33	2/11/2015	10/16/2015	181	No Project Charter or Amendment
B00106	* Sewer & Water Group 788	\$643,964	\$634,980	\$563,755	\$0	\$71,225	88.8%	8/23/02 A	6/26/2012	6/26/2012	0	6/13/2014	6/11/2014	-1	No Project Charter or Amendment
B12016	* Water Group Job 960	\$509,366	\$606,990	\$638,086	\$8,522	-\$39,619	105.1%	10/3/11 A	1/15/2013	9/30/2013	189	11/8/2013	7/31/2015	462	No Project Charter or Amendment
B15030	Redwood Village Standpipe Main Replacement	N/A	\$564,900	\$13,151	\$0	\$551,749	2.3%		N/A	3/7/2016		N/A	4/17/2017		Charter Only
B00099	* Sewer & Water Group 770	\$735,159	\$554,991	\$415,267	\$150,907	-\$11,183	74.8%	4/7/03 A	10/29/2012	10/29/2012	0	1/10/2014	6/3/2015	373	No Project Charter or Amendment
B15114	Sewer & AC Water Group 840 (W)	N/A	\$551,895	\$23,043	\$0	\$528,852	4.2%		N/A	7/1/2015		N/A	2/24/2016		Charter Only
B13082	Rancho Santa Fe Farm Rd Water Main	\$582,000	\$483,581	\$371,503	\$55,730	\$56,348	76.8%	9/24/12 A	9/3/2013	10/31/2013	43	5/2/2014	10/29/2014	132	No Project Charter or Amendment
B00114	* Sewer & Water Group 687B	\$758,338	\$370,885	\$360,386	\$25,096	-\$14,597	97.2%	2/26/07 A	12/6/2012	12/6/2012	0	6/12/2014	6/11/2015	267	No Project Charter or Amendment
B00039	* Sewer & Water Group 701	\$326,720	\$322,400	\$52,290	\$0	\$270,110	16.2%	11/2/10 A	4/14/2014	8/7/2015	152	9/17/2015	5/11/2016	174	Charter Only
B13202	Willow St. Bridge 48" Steel PPL UA	N/A	\$266,000	\$189,537	\$0	\$76,463	71.3%		TBD	TBD		N/A	12/30/2015		
B14097	CALTRANS - IS & Genesee Bridge Potable Wtr PPL	N/A	TBD	\$800,000	\$0				N/A	TBD		N/A	TBD		
B14098	CALTRANS - IS & Genesee Bridge Recycled Wtr PPL	N/A	TBD	\$200,000	\$0				N/A	TBD		N/A	TBD		
B14136	Loma Land Drive Pipeline Replacement	TBD	TBD	\$44,046	\$0				N/A	TBD		N/A	TBD		
B14137	San Fernando Street Pipeline Replacement	TBD	TBD	\$43,500	\$0				N/A	TBD		N/A	TBD		
B15001	AC Water & Sewer Group 1026 (W)	N/A	TBD	\$80,239	\$24,348				N/A	TBD		N/A	TBD		No Project Charter or Amendment
B15032	Sewer & AC Water Mains at Zoo Drive (W)	N/A	TBD	\$142,348	\$0				N/A	TBD		N/A	TBD		
B15057	Emergency Repairs - 20" SCRWP PB Pipeline	N/A	TBD	\$515,337	\$1,018				N/A	TBD		N/A	TBD		
B15077	Emerg Repairs - 16" DI at I-5 & EM Bay Dr	N/A	TBD	\$620,109	\$266,305				N/A	TBD		N/A	TBD		
B15083	AC Water & Sewer Group 1025 (W)	N/A	TBD	\$31,737	\$0				N/A	TBD		N/A	TBD		No Project Charter or Amendment
B15115	AC National Ave PL Replacement	N/A	TBD	\$131,152	\$0				N/A	TBD		N/A	TBD		
B15119	AC Water & Sewer Group 1017 (W)	N/A	TBD	\$48,158	\$31,107				N/A	TBD		N/A	TBD		No Project Charter or Amendment
B15120	AC Water & Sewer Group 1023 (W)	N/A	TBD	\$24,950	\$0				N/A	TBD		N/A	TBD		
B15121	AC Water & Sewer Group 1027 (W)	N/A	TBD	\$19,871	\$0				N/A	TBD		N/A	TBD		
B15153	Blue Lake Drive PL Replacement	N/A	TBD	\$118,731	\$0				N/A	TBD		N/A	TBD		
B15154	Hurlbut Street PL Replacement	N/A	TBD	\$1,060	\$0				N/A	TBD		N/A	TBD		
B15206	Remaining Small Diameter CI Water Ph 1	N/A	TBD	\$8,597	\$0				N/A	TBD		N/A	TBD		
S14020	Bayview Reservoir Solar Project	N/A	TBD	\$400,368	\$0				N/A	TBD		N/A	TBD		
WATER PIPELINES - TRANSMISSION															
S11022	* Upas Street Pipeline Replacement	\$20,196,326	\$33,896,326	\$6,753,786	\$803,707	\$26,338,833	19.9%	10/1/10 A	4/10/2014	1/6/2014	-69	11/1/2017	8/9/2017	-62	Charter Amendment Only

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S11026	Mid-City Pipeline - Ph 2 / Montezuma PPL	\$17,200,000	\$30,535,000	\$1,628,394	\$789,199	\$28,117,406	5.3%	10/22/12 A	1/20/2016	4/4/2016	55	5/3/2018	12/12/2018	164	Charter Only
S12016	Otay 1st/2nd PPL Abandon West of Highland Avenue	TBD	\$29,440,500	\$443,344	\$0	\$28,997,156	1.5%	8/1/13 A	TBD	1/19/2018		TBD	9/11/2020		Charter Only
S11021	* University Ave Pipeline Replacement	\$15,300,000	\$26,000,000	\$2,958,316	\$4,028,836	\$19,012,848	11.4%	10/1/10 A	10/18/2013	7/30/2014	209	8/2/2016	3/19/2018	436	No Project Charter or Amendment
S12010	30th Street Pipeline Replacement	TBD	\$14,889,115	\$226,432	\$0	\$14,662,683	1.5%	12/2/13 A	N/A	11/25/2016		N/A	6/14/2019		No Project Charter or Amendment
B15046	Otay 2nd Pipeline Phase II	N/A	\$12,227,000	\$93,514	\$0	\$12,133,486	0.8%		N/A	3/30/2017		N/A	11/21/2018		Charter Only
S12008	Catalina 12inch Cast Iron Mains	TBD	\$11,873,649	\$198,080	\$82,500	\$11,593,069	1.7%	10/1/13 A	N/A	10/21/2014		N/A	8/16/2017		Charter Only
S12009	La Jolla Scenic Drive 16inch Main	N/A	\$8,280,800	\$62,857	\$0	\$8,217,943	0.8%		N/A	9/30/2015		N/A	7/27/2017		Charter Only
B14092	Otay 2nd Pipeline Phase I	N/A	\$7,832,000	\$140,697	\$0	\$7,691,303	1.8%		N/A	7/13/2016		N/A	5/11/2018		Charter Only
S11027	* Otay 1st/2nd Pipeline Abandonment East of Highland	\$7,221,721	\$6,583,390	\$5,350,948	\$655,966	\$576,476	81.3%	3/1/11 A	7/25/2013	10/31/2013	72	12/3/2014	6/2/2015	133	No Project Charter or Amendment
B14028	Otay 1st PL University Heights	\$6,000,000	\$4,900,000	\$602,998	\$434,550	\$3,862,451	12.3%	8/1/13 A	9/4/2013	4/28/2014	173	11/21/2016	10/24/2016	-21	Charter Only
B15050	Miramar PL Segment Replacement (DB)	N/A	\$1,185,770	\$40,287	\$0	\$1,145,483	3.4%		N/A	6/30/2016		N/A	9/20/2018		
B15044	Paradise Mesa Cross Tie Pipeline	N/A	TBD	\$0	\$17,527				N/A	TBD		N/A	TBD		
B15134	16-in & Larger CI Water Main Repl Grp A	N/A	TBD	\$14,119	\$0				N/A	TBD		N/A	TBD		
B15135	16-in & Larger CI Water Main Repl Grp B	N/A	TBD	\$13,343	\$0				N/A	TBD		N/A	TBD		
B15137	NC North City to Mission Gorge Pipeline	N/A	TBD	\$94,423	\$241,423				N/A	TBD		N/A	TBD		
B15138	NC Mission Gorge To San Vicente Pipeline	N/A	TBD	\$42,794	\$0				N/A	TBD		N/A	TBD		
S10008	El Monte Raw Water	\$3,748,000	TBD	\$2,245,638	\$449,919			10/14/11 A	N/A	TBD		N/A	TBD		
WATER PUMP STATIONS															
S12011	69th & Mohawk Pump Station	TBD	\$18,800,094	\$731,789	\$545,357	\$17,522,948	3.9%	6/3/13 A	TBD	8/18/2016		TBD	9/21/2018		Charter Only
S12040	Tierrasanta (Via Dominque) Pump Station (formerly B10006)	\$11,228,000	\$16,688,861	\$1,350,816	\$221,945	\$15,116,099	8.1%	5/3/10 A	10/24/2013	9/8/2015	502	5/11/2015	2/15/2017	474	No Project Charter or Amendment
S12019	Scripps Ranch Pump Station (formerly B10070)	\$13,079,000	\$12,079,000	\$11,491,011	\$66,800	\$521,189	95.1%	10/5/09 A	8/16/2010	8/16/2010	0	2/18/2014	10/14/2014	175	No Project Charter or Amendment
B11023	* College Ranch Hydro Pump Station	\$7,429,510	\$9,189,190	\$1,021,980	\$97,174	\$8,070,830	11.1%	10/1/10 A	11/13/2013	7/17/2015	448	2/8/2016	11/4/2016	198	No Project Charter or Amendment
S12012	Cielo & Woodman Pump Station	TBD	\$6,678,000	\$143,291	\$0	\$6,534,709	2.1%		N/A	3/30/2017		N/A	6/26/2019		No Project Charter or Amendment
B11072	Soledad Pump Station Upgrade	TBD	\$3,382,000	\$211,004	\$400,159	\$2,770,837	6.2%		N/A	11/30/2016		N/A	12/24/2018		Charter Only
B15140	NC AWPf Pump Stations	N/A	TBD	\$11,984	\$0				N/A	TBD		N/A	TBD		
B15141	NC Morena Blvd Pump Station & Pipelines	N/A	TBD	\$20,172	\$103,066				N/A	TBD		N/A	TBD		
B15144	NC AWPf Pump Stations Expansion	N/A	TBD	\$20,030	\$0				N/A	TBD		N/A	TBD		
WATER STORAGE															
S11024	* Miramar Clearwell Improvements	\$79,000,000	\$126,228,983	\$5,662,990	\$348,284	\$120,217,709	4.5%	7/1/11 A	4/16/2014	10/6/2015	395	11/19/2018	10/17/2019	243	No Project Charter or Amendment
B11070	* La Jolla View Reservoir	\$9,670,000	\$16,000,000	\$4,307	\$0	\$15,995,693	0.0%	8/1/11 A	2/10/2014	2/16/2017	808	1/22/2016	12/21/2018	780	
S00041	* Morena Reservoir Outlet Tower Upgrade	\$5,680,000	\$15,366,890	\$1,371,280	\$297,334	\$13,698,276	8.9%	5/2/11 A	3/28/2013	6/24/2016	868	12/16/2014	7/17/2018	960	No Project Charter or Amendment
B11024	* La Jolla Country Club Reservoir	\$6,025,000	\$6,782,000	\$980,261	\$219,934	\$5,581,805	14.5%	11/1/10 A	10/7/2013	1/26/2016	620	9/10/2015	1/2/2018	620	Charter & Amendment
B00155	* Catalina Standpipe Renovation	\$3,425,600	\$5,022,714	\$4,606,026	\$367,197	\$49,491	91.7%	3/1/10 A	10/1/2010	10/1/2010	0	9/25/2013	7/17/2015	484	No Project Charter or Amendment
B13158	Lake Hodges Dam Modification	\$3,000,000	\$3,000,000	\$324,234	\$150,098	\$2,525,668	10.8%	3/1/2009	TBD	7/22/2016		TBD	10/9/2018		Charter Only
S00044	* Lower Otay Reservoir Emergency Outlet Improvements	\$2,000,000	\$2,646,971	\$893,858	\$68,593	\$1,684,520	33.8%	1/3/03 A	5/3/2013	7/28/2015	598	3/12/2014	6/15/2016	606	No Project Charter or Amendment
B00143	* San Carlos Reservoir Interior Enhancement	\$1,284,022	\$1,284,022	\$1,315,074	\$1,099	\$32,151	102.4%	8/25/08 A	5/11/2010	5/11/2010	0	12/31/2012	9/1/2015	714	No Project Charter or Amendment
WATER TREATMENT PLANTS															
B13174	Sodium Hypochlorite at Otay WTP	TBD	\$3,919,940	\$590,755	\$681,375	\$2,647,810	35.1%	6/3/13 A	TBD	12/24/2013		8/18/2015	1/19/2016	113	Charter Only
S11059	* Otay Water Treatment Plant Concrete Work	\$1,806,431	\$2,751,305	\$1,171,567	\$864,567	\$715,171	42.6%	7/15/11 A	4/19/2012	4/19/2012	0	TBD	3/18/2016		No Project Charter or Amendment
PURE WATER															

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B15139	NC AWP Treatment Plant (15 MGD)			\$213,014	\$740,553										
B15143	NC AWP Expansion to 30 MGD			\$117,214	\$582,063										
POST CONSTRUCTION/COMPLETE PROJECTS															
S00022	* Alvarado WTP Ozone Improvements (PH IV)	\$61,166,485	\$59,089,821	\$58,866,391	\$0	\$223,430	99.6%	3/6/00 A	9/5/2007	9/5/2007	0	11/16/2010	11/16/2010	0	
S00030	* Otay Water Treatment Plant Upgrade & Expansion	\$26,702,441	\$26,702,441	\$26,808,247	\$0	-\$105,806	100.4%	2/1/00 A	10/22/2004	10/22/2004	0	12/8/2010	12/8/2010	0 No Project Charter or Amendment	
S10123	* Water Group Job 915 (3012)	\$16,012,271	\$16,012,271	\$14,802,824	\$0	\$1,209,447	92.4%	5/1/07 A	4/7/2010	4/7/2010	0	5/15/2013	5/1/2014	257	
S00050	* Water Department Security Upgrades	\$16,510,465	\$14,260,465	\$4,489,412	\$0	\$9,771,053	31.5%	11/29/00 A	7/28/2011	7/28/2011	0	7/7/2014	12/1/2014	108 No Project Charter or Amendment	
S11108	* Water Group 787	\$9,174,252	\$9,174,252	\$7,488,053	\$0	\$1,686,199	81.6%	6/30/03 A	3/1/2011	3/1/2011	0	7/1/2013	6/25/2013	-4 No Project Charter or Amendment	
S10127	* Advanced Water Treatment Demo Plant (IPR/RA)	\$7,200,000	\$7,200,000	\$6,958,254	\$0	\$241,746	96.6%	1/25/10 A	12/23/2010	10/23/2010	-45	6/16/2011	6/30/2011	10	
B00125	* Water Group 914 C (PB)	\$6,021,478	\$6,305,880	\$6,278,109	\$0	\$27,771	99.6%	5/1/07 A	2/23/2012	2/23/2012	0	12/13/2013	2/2/2015	305 No Project Charter or Amendment	
B00105	* Sewer & Water Group 799	\$5,731,492	\$5,757,376	\$5,555,513	\$6,108	\$195,756	96.5%	5/15/03 A	10/5/2011	10/5/2011	0	4/4/2013	6/24/2014	327 No Project Charter or Amendment	
B10176	* Water Group Job 926	\$7,120,331	\$5,692,999	\$5,443,764	\$0	\$249,235	95.6%	1/13/10 A	7/28/2011	7/28/2011	0	7/15/2014	7/15/2014	0 No Project Charter or Amendment	
B00020	* Water Group 532	\$5,159,160	\$5,279,160	\$5,197,863	\$0	\$81,297	98.5%	6/1/94 A	6/18/2008	6/18/2008	0	10/7/2010	10/7/2010	0	
B00160	* Los Penasquitos Canyon / Camino Ruiz RW Pipeline	\$5,166,739	\$5,166,739	\$4,604,790	\$0	\$561,949	89.1%	10/25/00 A	5/31/2011	5/31/2011	0	9/29/2012	9/25/2012	-3	
B00086	* Sewer & Water Group 789	\$5,159,940	\$5,159,940	\$4,397,501	\$0	\$762,439	85.2%	5/16/02 A	11/17/2010	11/17/2010	0	11/26/2012	12/7/2012	8	
B10173	* Water Group Job 923	\$4,911,561	\$4,948,373	\$4,789,823	\$0	\$158,550	96.8%	2/1/10 A	9/1/2011	9/1/2011	0	4/12/2013	1/2/2013	-73	
B10174	* Water Group Job 924	\$5,596,311	\$4,742,317	\$4,545,112	\$0	\$197,205	95.8%	2/1/10 A	N/A	N/A		12/5/2012	6/19/2013	144	
B00066	* Water Group 910	\$5,207,964	\$4,687,964	\$4,648,938	\$0	\$39,026	99.2%	8/28/01 A	9/14/2010	9/14/2010	0	1/2/2013	7/1/2014	400	
B00031	* Group Job 5258	\$4,427,958	\$4,427,958	\$4,376,039	\$7,600	\$44,319	98.8%	3/20/98 A	10/11/2010	10/11/2010	0	12/6/2012	2/19/2013	55 No Project Charter or Amendment	
B10175	* Water Group Job 925	\$3,938,135	\$3,938,135	\$3,360,839	\$0	\$577,296	85.3%	2/1/10 A	1/5/2011	1/5/2011	0	2/28/2013	5/1/2014	313	
B10172	* Water Group Job 922	\$3,759,350	\$3,415,165	\$3,403,020	\$0	\$12,145	99.6%	2/1/10 A	5/13/2011	5/13/2011	0	12/24/2013	9/11/2013	-76	
B10171	* Water Group Job 921	\$3,107,000	\$3,122,000	\$2,716,233	\$0	\$405,767	87.0%	2/2/10 A	11/4/2010	11/4/2010	0	2/27/2013	10/21/2013	173	
S00028	* Miramar WTP Landscape & Site Improvement	\$3,171,746	\$3,030,699	\$2,914,325	\$0	\$116,374	96.2%	11/2/09 A	10/18/2010	10/18/2010	0	12/21/2012	3/14/2013	61	
B10188	* Water Group Job 928	\$2,896,826	\$2,896,844	\$2,960,703	\$0	-\$63,859	102.2%	4/1/10 A	9/19/2011	9/19/2011	0	6/25/2013	2/2/2015	430 No Project Charter or Amendment	
B10189	* Water and Sewer Group Job 929 (W)	\$2,705,148	\$2,705,148	\$2,848,728	\$0	-\$143,580	105.3%	4/1/10 A	2/7/2012	2/7/2012	0	5/20/2013	7/10/2013	37	
B00168	* Groundwater Pilot Production Wells	\$2,032,036	\$2,032,036	\$2,446,569	\$0	-\$414,533	120.4%	12/8/2008 A	3/11/2011	1/31/2011	-29	12/31/2013	12/31/2013	0	
B00093	* Sewer & Water Group Job 781	\$1,914,199	\$1,914,199	\$1,648,668	\$0	\$265,531	86.1%	10/1/02 A	8/24/2010	8/24/2010	0	1/4/2013	1/22/2013	13	
B12051	* Water Group 961	\$1,258,655	\$1,874,645	\$1,875,538	\$0	-\$893	100.0%	12/20/11 A	7/25/2013	10/31/2013	72	9/10/2014	9/23/2014	10 No Project Charter or Amendment	
B11004	* Water and Sewer GI934 (W)	\$1,693,320	\$1,707,948	\$1,879,825	\$0	-\$171,877	110.1%	1/3/11 A	4/15/2013	4/15/2013	0	10/15/2014	8/12/2014	-47 No Project Charter or Amendment	
B10200	* Camino Del Sur Pipeline - North of SR556	\$992,500	\$1,697,306	\$1,719,354	\$0	-\$22,048	101.3%	8/2/10 A	10/11/2012	10/11/2012	0	TBD	3/1/2014		
B12092	* AC Shawnee Road Emergency PPL Replacement	\$1,655,000	\$1,655,000	\$1,485,229	\$0	\$169,771	89.7%	2/16/12 A	5/3/2012	5/3/2012	0	TBD	6/25/2013		
B00080	* Sewer & Water GI 761	\$1,997,868	\$1,596,609	\$1,592,486	\$0	\$4,123	99.7%	8/3/09 A	6/28/2012	6/28/2012	0	TBD	12/6/2013	No Project Charter or Amendment	
B00091	* Sewer & Water GI 774	\$1,352,783	\$1,596,377	\$1,589,826	\$0	\$6,551	99.6%	10/24/02 A	11/18/2010	11/18/2010	0	11/1/2012	5/8/2013	138	
B00077	* Group 3013 - Water Group 764	\$1,552,579	\$1,552,579	\$1,428,548	\$0	\$124,031	92.0%	5/16/02 A	9/16/2009	9/16/2009	0	4/16/2012	4/16/2012	0	
B10191	* Water Group Job 931	\$1,938,543	\$1,527,039	\$1,582,822	\$0	-\$55,783	103.7%	4/1/10 A	12/5/2011	12/5/2011	0	12/6/2012	12/18/2012	9	
B00098	* Group 3013 - Water Group 821	\$1,499,825	\$1,499,825	\$1,410,702	\$0	\$89,123	94.1%	4/1/04 A	9/16/2009	9/16/2009	0	4/16/2012	4/16/2012	0	
B11005	* Water Group Job 935	\$1,447,395	\$1,487,877	\$1,485,510	\$0	\$2,367	99.8%	8/16/10 A	8/31/2012	8/31/2012	0	9/4/2013	7/16/2013	-37	
S11102	* Colony Hill Water Main Relocation	\$1,460,250	\$1,346,953	\$1,294,337	\$0	\$52,616	96.1%	10/1/10 A	N/A	N/A		9/18/2012	9/18/2012	0	
B00082	* Sewer & Water Group 768	\$1,345,275	\$1,345,275	\$1,217,695	\$0	\$127,580	90.5%	1/3/02 A	10/13/2010	10/13/2010	0	2/20/2012	2/20/2012	0	
S10005	* El Capitan Pipeline #2	\$1,287,928	\$1,287,928	\$1,072,910	\$0	\$215,018	83.3%	4/5/10 A	3/28/2012	3/28/2012	0	10/18/2013	5/9/2013	-119	
B00103	* Sewer & Water Group 822	\$1,366,591	\$1,226,591	\$1,197,395	\$0	\$29,196	97.6%	5/16/02 A	10/27/2010	10/27/2010	0	12/31/2012	8/1/2014	424 No Project Charter or Amendment	
B00059	* Water Group Job 732	\$628,167	\$1,210,981	\$932,168	\$0	\$278,813	77.0%	11/17/00 A	9/27/2012	9/27/2012	0	4/17/2014	2/27/2014	-36 No Project Charter or Amendment	
B00084	* Group 3013 - Water Group 764A	\$1,185,494	\$1,185,494	\$1,210,813	\$0	-\$25,319	102.1%	5/16/02 A	9/16/2009	9/16/2009	0	4/16/2012	4/16/2012	0	

FY15 IROC REPORT - FOURTH QUARTER - WATER PROJECTS
SCHEDULE OF COST OF SERVICE STUDY (COSS) vs ACTUALS
As of June 30, 2015

DRAFT

(Financial data was run on August 10 and may not be final)

NOTES:
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- Wastewater projects are separated into Muni and Metro
- All post construction/completed projects are listed at the end of the schedule
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* FY12 baseline being replaced with Cost of Service Study (COSS) amount
Projects with \$1 mil or more in estimated project cost change (increase/decrease)
Projects six or more months behind schedule in design/construction phases
Projects on the radar
Post Construction/Complete projects

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.

WATER PROJECTS								Start Date	Planning/Design/Award Phase			Construction Phase			Project Charter/Amendment P6 info as of July 1st, 2015 Data Date
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	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	
B00013	Caltrans - Carroll Canyon Br-415 14" 16" Red Wtr	\$1,175,522	\$1,175,522	\$1,170,614	\$0	\$4,908	99.6%		1/4/2008	1/4/2008	0	2/22/2012	2/22/2012	0	
B11043	* Water Group Job 947	\$1,351,439	\$1,150,563	\$1,036,462	\$0	\$114,101	90.1%	1/10/11 A	10/12/2012	10/12/2012	0	4/2/2014	8/7/2013	-175	No Project Charter or Amendment
B11037	* Water Group Job 941	\$1,164,503	\$1,081,106	\$933,553	\$0	\$147,553	86.4%	1/4/10 A	8/10/2012	8/10/2012	0	8/21/2013	7/29/2013	-17	No Project Charter or Amendment
B00092	* Sewer & Water Group Job 780	\$786,664	\$1,077,036	\$1,105,583	\$0	-\$28,547	102.7%	10/1/02 A	8/30/2010	8/30/2010	0	10/22/2012	10/22/2012	0	
B12041	* Water Group 984 (W)	\$729,137	\$1,040,433	\$799,444	\$0	\$240,989	76.8%	12/13/11 A	4/6/2012	4/6/2012	0	1/9/2013	5/1/2013	82	
B11153	* Water and Sewer Group Job 956 (W)	\$1,360,221	\$1,006,091	\$939,007	\$0	\$67,084	93.3%	6/1/11 A	11/1/2012	11/1/2012	0	8/19/2013	10/3/2013	33	
B13196	F Street CI Water Mains	\$1,000,000	\$1,000,000	\$1,569,116	\$0	-\$569,116	156.9%	3/1/2009	TBD	12/4/2013		TBD	3/6/2015		
B10165	* Scripps Ranch Reservoir Slope Repair & Bracket Rpl	\$633,800	\$973,804	\$869,305	\$0	\$104,499	89.3%	4/1/10 A	12/19/2012	7/22/2013	158	1/2/2014	3/7/2014	47	
B00097	* Sewer & Water Group 779	\$847,361	\$847,361	\$879,260	\$0	-\$31,899	103.8%	4/1/10 A	5/31/2011	5/31/2011	0	4/4/2012	4/4/2012	0	
B00057	* Water Group Job 730	\$1,264,335	\$759,008	\$759,008	\$0	\$0	100.0%	11/15/00 A	2/12/2010	2/12/2010	0	6/8/2011	6/8/2011	0	
B11066	* San Pasqual USGS Monitoring Wells	\$742,000	\$742,000	\$809,108	\$0	-\$67,108	109.0%	11/1/10 A	N/A	N/A		12/31/2013	9/26/2013	-70	
B12098	* CI - Palm Ave. Meter Emerg CI Replac.(W)	\$769,452	\$680,452	\$704,591	\$0	-\$18,139	102.6%	4/30/12 A	12/21/2012	2/1/2013	31	5/28/2013	8/5/2013	51	
B00050	* Group Job 723	\$806,680	\$656,189	\$604,222	\$0	\$51,967	92.1%	8/2/99 A	7/29/2011	7/29/2011	0	10/16/2013	10/21/2013	4	No Project Charter or Amendment
B00120	* Water Group 907 CI	\$598,036	\$612,610	\$633,917	\$0	-\$21,307	103.5%	3/1/10 A	6/27/2011	6/27/2011	0	4/10/2012	4/10/2012	0	
B11046	* Water Group Job 950	\$511,000	\$511,000	\$320,031	\$0	\$190,969	62.6%	8/19/11 A	1/20/2012	1/20/2012	0	10/16/2012	12/12/2012	42	
S11109	* Otay 2nd Pipeline -Emergency Main Repairs	\$500,000	\$500,000	\$400,492	\$0	\$99,508	80.1%	12/1/10 A	1/14/2011	1/14/2011	0	11/7/2011	11/7/2011	0	
B00169	* San Vicente Groundwater Well	\$388,794	\$388,794	\$590,083	\$0	-\$201,289	151.8%	6/6/08 A	1/14/2011	1/14/2011	0	12/5/2013	1/31/2013	-226	
B13185	AC Water Group Job Meade Avenue	\$0	\$376,895	\$333,812	\$0	\$43,083	88.6%	3/1/2009	TBD	2/26/2013		TBD	4/23/2013		
B00010	* Caltrans - 8905	\$344,076	\$344,076	\$262,538	\$0	\$81,538	76.3%	10/30/07 A	3/31/2010	3/31/2010	0	3/29/2013	3/29/2013	0	
B00072	* Sewer & Water GI 754	\$342,673	\$342,673	\$306,175	\$0	\$36,498	89.3%	11/29/01 A	3/2/2010	3/2/2010	0	6/8/2012	6/8/2012	0	No Project Charter or Amendment
B10199	Caltrans- Hillery Dr. Water Pipeline Relocation Pr	\$297,164	\$297,164	\$115,023	\$0	\$182,141	38.7%	5/1/10 A	11/10/2011	11/10/2011	0	6/20/2013	4/8/2013	-54	
S00073	* SBRWS - Mag Meter Assembly Project	\$232,132	\$232,132	\$225,622	\$0	\$6,510	97.2%	1/18/11	3/19/2012	3/19/2012	0	3/21/2013	3/28/2013	5	
B14027	AC Copley Ave Wtr Main Replacement	N/A	\$217,245	\$211,542	\$0	\$5,703	97.4%		N/A	N/A		N/A	9/30/2014		
B00139	Park Village Extension	\$165,274	\$165,274	\$66,149	\$0	\$99,125	40.0%	2/1/09 A	4/26/2013	12/6/2013	164	N/A	N/A		
B00014	CT-Carroll Canyon Br-415 16" Potable Wtr	N/A	TBD	\$485,567	\$0				N/A	TBD		N/A	TBD		
B14017	Madison Ave Wtr Main Replacement	N/A	TBD	\$106,498	\$0				TBD	TBD		TBD	9/16/2013		
B14079	AC La Jolla Country Club Wtr Main Repl	N/A	TBD	\$196,541	\$0				N/A	TBD		N/A	1/20/2014		
S00059	WDSU - Pipelines (30" & larger)	TBD	TBD	\$19,029	\$0				N/A	TBD		N/A	TBD		
S10013	Barrett Flume Cover	\$5,992,340	TBD	\$360,597	\$0			TBD	8/4/2016	TBD		5/25/2022	TBD		
S13016	Miramar Contract A Roof System Redesign	TBD	TBD	\$47,358	\$0			TBD	TBD	TBD		TBD	TBD		

Other includes water facility security upgrades, installation of solar panels, and Chollas building projects.

FY15 IROC REPORT - FOURTH QUARTER - WASTEWATER PROJECTS

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SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS

As of June 30, 2015

(Financial data was run on August 10 and may not be final)

NOTES:		* FY12 baseline being replaced with Cost of Service Study (COSS) amount							COSS = Cost of Service Study				OH = Project Charter in place		
- Projects are listed from highest to lowest revised project cost per asset type		Projects with \$1 mil or more in estimated project cost change (increase/decrease)							BO/BU = Beneficial Occupancy/Beneficial Use (aka Substantial Completion)				CA = Charter Amendment		
- Wastewater projects are separated into Muni and Metro		Projects six or more months behind schedule in design/construction phases							Variance = difference between COSS BO/BU and EGP BO/BU in working days				P = New Charter, Project was in planning/scope was being defined.		
- All post construction/completed projects are listed at the end of the schedule		Projects on the radar							A = Actual Milestone						
- TBD are projects that are being implemented but have not yet established a baseline		Post Construction/Complete Projects													
WASTEWATER PROJECTS									Planning/Design/Award Phase			Construction Phase			
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures / Revised Proj Cost)	Start Date	COSS Final Design Approval - End	Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance	Project Charter/Amendment P6 Info as of July 1st Data Date
	LARGE SEWER PUMP STATIONS - METRO														
S00312	* PS2 Power Reliability & Surge Protection	\$31,200,000	\$43,100,000	\$2,259,555	\$599,070	\$40,241,375	5.2%	11/1/10 A	3/18/2015	2/9/2016	240	3/12/2017	8/30/2016	616	No Project Charter or Amendment
S00309	* NCWRP Sludge Pump Station Upgrade	\$636,294	\$636,294	\$416,250	\$0	\$220,044	65.4%	4/1/10 A	1/27/2012	1/27/2012	0	6/5/2013	3/17/2016	748	No Project Charter or Amendment
BL5143	NC Morena Blvd Pump Station & Pipelines	N/A	TBD	\$71,517	\$165,418				N/A	TBD		N/A	TBD		
	OTHER - METRO														
U300002	Ovation Upgrade at North City WRP	\$3,070,000	\$3,070,000	\$2,559,499	\$0	\$510,501	83.4%	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	\$2,018,525	\$2,018,525	\$79,171	\$17,203	\$1,928,161	3.6%	7/1/2011 A	5/30/2014	10/30/2014	112	12/23/2015	6/30/2016	139	
S00314	* Wet Weather Storage Facility	\$7,272,127	TBD	\$2,357,156	\$20,730			TBD	3/7/2016	TBD		1/24/2018	TBD		
	SEWER TREATMENT PLANTS - METRO														
S00315	* Point Loma Grit Processing Improvements	\$32,922,630	\$37,095,037	\$3,739,708	\$1,071,057	\$2,284,273	91.0%	1/19/00 A	9/30/2010	9/30/2010	0	12/17/2013	8/17/2015	406	No Project Charter or Amendment
S00339	* MBC Dewatering Centrifuges Replacement	\$12,000,000	\$12,122,443	\$4,435,979	\$6,251,947	\$1,434,522	36.6%	7/1/11 A	3/21/2012	3/21/2012	0	1/12/2016	4/12/2016	67	No Project Charter or Amendment
S00322	* MBC Biosolids Storage Silos	\$7,553,300	\$9,047,838	\$8,108,759	\$590,490	\$348,589	89.6%	3/1/2006	11/15/2012	11/15/2012	0	10/7/2014	7/16/2015	207	No Project Charter or Amendment
S00323	* MBC Odor Control Facility Upgrades	\$6,200,000	\$6,615,612	\$1,102,186	\$346,993	\$5,166,343	16.7%	12/1/10 A	11/19/2013	3/19/2015	156	11/12/2015	3/14/2017	358	No Project Charter or Amendment
BL0178	* MBC Chemical System Improvements Phase 2	\$5,070,000	\$6,090,354	\$1,130,198	\$211,894	\$4,727,271	18.9%	2/14/11 A	10/4/2013	2/27/2015	175	4/8/2015	3/14/2017	523	No Project Charter or Amendment
S00310	SBWR Plant Demineralization	\$3,279,133	\$5,973,695	\$2,031,965	\$2,360,870	\$1,580,861	34.0%	8/1/12 A	11/30/2012	11/30/2012	0	10/1/2013	8/17/2015	524	Charter Amendment Only
BL4167	SBWRP sludge Pump & Grinder Installation	N/A	\$789,000	\$115,821	\$26,617	\$646,562	14.7%		N/A	9/1/2015		N/A	4/21/2016		Charter Only
BL3227	Emergency Strobe Lights at MBC, NC, SB	TBD	\$754,000	\$211,577	\$164,815	\$347,609	28.1%	9/1/13 A	TBD	9/30/2015		TBD	8/1/2015		Charter Only
BL0018	MBC RAW SOLIDS RECEIVING TANK NO 1 ISO	N/A	TBD	\$10,105	\$0				N/A	TBD		N/A	TBD		
	TRUNK SEWERS - METRO														
BL1025	Rose Canyon TS (RICTS) Joint Repair	\$6,233,000	\$6,233,000	\$300,567	\$503,640	\$5,428,793	4.8%	3/1/2009	3/12/2013	1/20/2016	765	8/27/2015	3/30/2017	426	Charter Only
BL1098	W PTL Intercept & PS 2 FM Siphon Repair	\$1,500,000	\$1,700,000	\$75,672	\$1,949,690	\$323,362	4.3%	3/1/2010 A	12/24/2012	12/24/2012	0	8/30/2014	3/30/2015	309	
S00317	South Metro Sewer Rehabilitation Phase 3B	\$9,214,957	TBD	\$346	\$0			TBD	12/8/2015	TBD		11/22/2017	TBD		
	PURE WATER - METRO														
SL5141	NC Morena Blvd Pump Station & Pipelines	N/A	TBD		\$0				N/A	TBD		N/A	TBD		
BL5142	NC NCWRP Expansion to 48 MGD	N/A	TBD	\$134,257	\$467,492				N/A	TBD		N/A	TBD		
	SEWER TREATMENT PLANTS - MUNI/METRO														
SL2036	Backup Generators at Sewer PS's, TP, & EMTS	\$17,745,600	\$17,745,600	\$13,734,773	\$1,132,124	\$2,878,702	77.4%	9/9/11 A	9/23/2013	10/1/2013	6	10/30/2014	3/30/2015	111	
	OTHER - MUNI/METRO														
SL4022	MOC Complex Solar Project	N/A	\$2,675,000	\$28,745	\$0	\$2,646,255	1.1%		N/A	9/1/2015		N/A	9/2/2016		Charter Only
SL4000	EAM ERP Implementation	N/A	TBD	\$360,962	\$239,143				N/A	TBD		N/A	TBD		
	MUNI PUMP STATION - MUNI														
S00308	* Pump Station 84 Upgrade & Pump Station 82 Abandon	\$9,320,400	\$10,320,400	\$9,141,066	\$527,296	\$652,038	88.6%	9/11/07 A	9/21/2011	9/21/2011	0	8/27/2013	12/31/2015	137	No Project Charter or Amendment
BL00306	* PS 65 CAPACITY UPGRADE (AA 419270)	\$6,000,000	\$6,000,000	\$3,871,976	\$2,378,584	\$749,440	47.9%	9/27/07 A	5/1/2012	5/1/2012	0	3/12/2014	1/8/2016	489	No Project Charter or Amendment
S00304	* PS Upgrades Group II Cnty Wide	\$4,883,223	\$5,378,223	\$5,295,718	\$16,315	\$66,190	98.5%	10/1/01 A	3/24/2009	5/14/2009	0	6/13/2013	1/2/2015	417	No Project Charter or Amendment
BL00501	Sewer PS 13, 14 and 16 Dual FM	\$1,100,000	\$1,485,000	\$326,993	\$73,060	\$1,084,969	21.9%	10/1/13 A	5/15/2015	12/8/2015	152	11/30/2016	9/6/2017	205	Charter Only

FY15 IROC REPORT - FOURTH QUARTER - WASTEWATER PROJECTS

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SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS

As of June 30, 2015

(Financial data was run on August 10 and may not be final)

NOTES:		* FY12 baseline being replaced with Cost of Service Study (COSS) amount							COSS = Cost of Service Study			CH = Project Charter in place				
- Projects are listed from highest to lowest revised project cost per asset type		Projects with \$1 mil or more in estimated project cost change (increase/decrease)							BO/BU = Beneficial Occupancy/Beneficial Use (aka Substantial Completion)			CA = Charter Amendment				
- Wastewater projects are separated into Muni and Metro		Projects six or more months behind schedule in design/construction phases							Variance = difference between COSS BO/BU and EGP BO/BU in working days			P = New Charter, Project was in planning/scope was being defined.				
- All post construction/completed projects are listed at the end of the schedule		Projects on the radar							A = Actual Milestone							
- TBD are projects that are being implemented but have not yet established a baseline		Post Construction/Complete Projects														
WASTEWATER PROJECTS										Planning/Design/Award Phase			Construction Phase			
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures / Revised Proj Cost)	Start Date	COSS Final Design Approval - End	Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance	Project Charter/Amendment P6 Info as of July 1st Data Date	
BL4131	SPS 23T - Reliability Improvements	TBD	\$1,074,000	\$43,767	\$0	\$1,030,233	4.1%		TBD	7/11/2015		TBD	4/4/2017		Charter Only	
B00476	* SPS 13 REHAB	\$975,500	\$975,500	\$1,257,794	\$10,207	-\$292,501	128.9%	11/1/10 A	2/28/2013	2/19/2013	-7	5/29/2014	1/15/2015	169	No Project Charter or Amendment	
BL2018	* SEWER PUMP STATION 77A GENERATORS (SPS77A)	\$656,000	\$918,605	\$826,494	\$227,566	-\$145,454	91.1%	10/1/11 A	3/5/2013	3/5/2013	0	12/4/2013	9/15/2015	477	No Project Charter or Amendment	
BL4168	SPS 76 Generator	N/A	\$75,000	\$11,514	\$0	\$63,486	15.4%		N/A	10/29/2015		N/A	11/2/2016		Charter Only	
SEWER PIPELINES - MUNI																
B00388	* SEWER & WATER GROUP JOB 77B	\$4,010,183	\$10,589,161	\$462,218	\$0	\$10,126,943	4.4%	4/1/04 A	1/12/2015	12/11/2015		10/24/2016	4/13/2020		Charter Only	
BL5216	Catalina Blvd Water and Sewer PPL (S)	N/A	\$9,376,038	\$134,873	\$53,500	\$9,387,665	1.4%	TBD	TBD	10/21/2014		N/A	8/16/2017		Charter Only	
BL1061	* PIPELINE REHABILITATION - PHASE J-2 (LATERALS)	\$4,000,000	\$8,599,999	\$203,310	\$0	\$8,596,689	2.3%	7/5/11 A	10/14/2014	5/20/2015	160	11/23/2015	10/31/2017	519	No Project Charter or Amendment	
B00387	* SEWER GROUP JOB 776	\$7,922,882	\$8,196,716	\$481,162	\$0	\$7,715,554	5.9%	9/5/02 A	3/6/2015	7/28/2016		5/9/2017	3/27/2019		Charter Only	
BL0210	Sewer & Water GJ Crown Pts La Playa (S)	\$6,936,750	\$7,965,753	\$576,646	\$0	\$7,389,107	7.2%	10/1/12 A	4/8/2013	2/26/2016	773	3/14/2017	6/5/2019	596	No Project Charter or Amendment	
BL4009	Pipeline Rehabilitation AD-1	TBD	\$7,425,500	\$73,325	\$0	\$7,350,175	1.0%		TBD	7/9/2015		TBD	3/5/2017		Charter Only	
B00504	* Manning Canyon Sewer and Water Replacement	\$4,998,185	\$7,228,461	\$869,836	\$11,471	\$6,347,154	12.0%	11/1/09 A	2/4/2014	8/31/2015	420	7/15/2015	2/15/2017	425	No Project Charter or Amendment	
BL4030	Pipeline Rehabilitation AE-1	N/A	\$7,059,149	\$47,691	\$0	\$7,011,458	0.7%		N/A	1/7/2016		N/A	12/27/2016			
BL1060	PIPELINE REHABILITATION - PHASE F-2 (LATERALS)	\$4,600,000	\$6,914,999	\$2,952,953	\$2,483,228	\$1,478,818	42.7%	7/30/12 A	6/20/2013	6/3/2013	-12	9/23/2014	12/22/2015	334	No Project Charter or Amendment	
BL4125	Pipeline Rehabilitation AF-1	TBD	\$6,720,000	\$123,687	\$0	\$6,596,313	1.8%		TBD	7/1/2015		TBD	4/2/2017		Charter Only	
B00416	* Sewer & Water Group Job 809	\$4,518,747	\$6,622,272	\$4,918,499	\$969,537	\$734,236	74.3%	6/2/03 A	2/26/2013	6/17/2013	85	11/28/2014	2/3/2016	317	No Project Charter or Amendment	
B00445	* WATER & SEWER GROUP 687B	\$6,748,441	\$6,298,210	\$5,165,824	\$791,216	\$341,170	82.0%	2/26/07 A	12/6/2012	12/6/2012	0	6/12/2014	6/11/2015	267	No Project Charter or Amendment	
BL1077	* Sewer Group 767A	\$2,744,345	\$6,072,593	\$340,436	\$0	\$5,732,157	5.6%	11/1/10 A	3/20/2014	4/17/2015	296	6/1/2015	6/1/2016	280	Charter Amendment Only	
B00452	* SEWER & WATER GROUP 701	\$3,209,020	\$5,987,600	\$330,929	\$45,305	\$5,111,366	13.9%	11/2/10 A	4/14/2014	8/7/2015	352	9/17/2015	5/11/2016	174	Charter Only	
B00382	* Sewer & AC Water Group 785 (S)	\$4,195,977	\$5,913,500	\$569,312	\$44,500	\$5,199,688	9.8%	11/2/09 A	3/27/2015	7/2/2015	71	9/7/2016	2/27/2017	127	Charter Only	
BL2042	* Sewer and Water Group Job 940 (S)	\$4,117,660	\$5,744,980	\$1,184,770	\$152,345	\$4,407,865	20.6%	12/1/11 A	1/28/2014	11/15/2014	221	4/29/2016	1/2/2017	205	No Project Charter or Amendment	
BL3222	Pipeline Rehabilitation AB-1	\$6,897,882	\$5,722,052	\$207,533	\$1,321,116	\$4,193,404	3.6%	9/3/13 A	TBD	12/19/2014		TBD	6/16/2016		Charter Only	
BL4008	Pipeline Rehabilitation AC-1	TBD	\$5,596,000	\$153,238	\$0	\$5,442,762	2.7%		TBD	12/8/2015		TBD	3/1/2017		Charter Only	
BL4110	Pipeline Rehabilitation Z-1A	N/A	\$5,559,700	\$63,351	\$0	\$5,496,349	1.1%		N/A	9/11/2015		N/A	10/18/2016		Charter Only	
B00436	SEWER GJ 827	\$2,935,000	\$5,498,391	\$238,547	\$244,361	\$4,995,483	4.7%	3/1/2009	TBD	8/3/2015		TBD	4/16/2017		Charter & Amendment	
BL3217	Pipeline Rehabilitation AA-1	\$5,756,500	\$5,439,881	\$288,057	\$1,427,500	\$3,724,324	5.3%	8/5/13 A	TBD	1/14/2015		TBD	10/7/2016		Charter & Amendment	
BL4118	Pipeline Rehabilitation AG-1	TBD	\$5,417,000	\$125,143	\$0	\$5,311,859	2.3%		TBD	10/11/2015		TBD	3/1/2017		Charter Only	
B00421	* SEWER GROUP 786	\$4,383,130	\$5,430,767	\$580,745	\$0	\$4,850,022	10.7%	11/2/09 A	7/8/2015	6/3/2016		12/16/2016	12/29/2017		Charter Only	
BL1078	* PIPELINE REHABILITATION S-1	\$5,216,044	\$5,216,044	\$4,379,092	\$0	\$856,952	84.0%	4/1/11 A	4/2/2012	4/2/2012	0	11/19/2013	5/22/2013	-133	No Project Charter or Amendment	
BL5146	Pipeline Rehabilitation AH-1B	N/A	\$5,205,000	\$24,885	\$0	\$5,180,115	0.5%		N/A	5/28/2015		N/A	7/27/2016		No Project Charter or Amendment	
B00426	* SEWER GROUP BL2	\$4,988,826	\$4,988,826	\$550,989	\$0	\$4,437,840	11.0%	3/1/12 A	TBD	11/24/2017		TBD	8/14/2019		No Project Charter or Amendment	
B00365	* SEWER & WATER GROUP 75B	\$5,229,600	\$4,984,164	\$4,100,733	\$748,805	\$134,527	82.3%	2/14/02 A	9/13/2011	8/13/2011	0	7/17/2014	2/20/2015	160	No Project Charter or Amendment	
B00379	* SEWER GROUP JOB 788	\$4,721,388	\$4,985,090	\$5,877,763	\$626,373	-\$478,955	77.8%	8/23/02 A	6/26/2012	9/26/2012	0	9/13/2014	6/11/2014	-1	No Project Charter or Amendment	
B00429	* BUCHANAN CANYON SEWER B	\$4,843,396	\$4,843,396	\$1,165,347	\$1,449	\$3,727,601	23.8%	4/19/04 A	2/6/2013	9/30/2015	706	6/24/2014	2/17/2017	711	No Project Charter or Amendment	
B00460	* SEWER GROUP 721	\$4,878,277	\$4,878,277	\$306,385	\$0	\$4,571,892	10.4%	11/2/09 A	1/28/2014	10/7/2015	452	7/10/2015	5/22/2017	453	No Project Charter or Amendment	
B00403	* SEWER GROUP JOB 807	\$5,375,708	\$4,872,572	\$38,642	\$0	\$4,833,930	0.8%	6/20/13 A	TBD	5/15/2017		TBD	3/25/2019		No Project Charter or Amendment	
BL5015	PIPELINE REHABILITATION V-1	\$6,595,000	\$4,819,812	\$5,445,247	\$808,565	\$566,201	71.3%	9/4/12 A	6/24/2013	6/24/2013	0	2/10/2015	8/5/2015	128	No Project Charter or Amendment	
BL1029	Pipeline Rehabilitation - Phase G-2 (Laterals)	N/A	\$4,818,020	\$440,565	\$2,222,623	\$2,154,803	9.1%	10/18/10 A	N/A	5/27/2011		N/A	4/20/2016		No Project Charter or Amendment	
BL5012	PIPELINE REHABILITATION U-1	\$8,200,800	\$4,747,027	\$4,422,997	\$237,216	\$858,815	93.2%	9/4/12 A	2/22/2015	7/5/2013	98	9/3/2014	5/13/2015	189	No Project Charter or Amendment	
B00393	* SEWER & WATER GJ 787	\$4,743,451	\$4,720,923	\$4,924,325	\$160,591	-\$563,993	104.3%	8/1/02 A	9/4/2012	9/4/2012	0	8/13/2014	11/1/2015	349	No Project Charter or Amendment	
B00415	* SEWER GJ 815	\$1,897,583	\$4,627,264	\$3,848,421	\$280,941	\$497,902	83.2%	6/2/05 A	10/19/2013	12/13/2013	33	2/11/2015	10/16/2015	181	No Project Charter or Amendment	
B00353	* Sewer Group 743	\$2,704,415	\$4,447,810	\$1,168,742	\$1,241,500	\$2,037,568	26.3%	9/1/2008	7/11/2014	7/2/2014	-7	4/25/2016	2/22/2016	-46	Charter Only	

FY15 IROC REPORT - FOURTH QUARTER - WASTEWATER PROJECTS

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SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS

As of June 30, 2015

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- TBD are projects that are being implemented but have not yet established a baseline		Post Construction/Complete Projects													
WASTEWATER PROJECTS									Planning/Design/Award Phase			Construction Phase			
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures /Revised Proj Cost)	Start Date	COSS Final Design Approval - End	Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance	Project Charter/Amendment P6 Info as of July 1st Data Date
B00346	* SEWER GROUP 697A	\$2,296,693	\$4,149,893	\$403,772	\$5,300	\$1,740,820	9.7%	8/1/03 A	11/16/2015	4/29/2016	121	1/10/2017	12/21/2017	253	Charter Only
B00417	* SEWER & WATER GJ B10	\$4,145,949	\$4,145,949	\$68,263	\$0	\$4,077,686	1.6%	12/4/13 A	N/A	4/28/2017		N/A	2/24/2020		No Project Charter or Amendment
B00380	* SEWER GROUP 764A	\$4,852,241	\$4,112,092	\$546,626	\$0	\$3,565,466	13.3%	5/16/02 A	1/12/2015	10/19/2016		10/24/2016	6/1/2018		Charter Only
B00382	* SEWER GROUP B20	\$3,925,483	\$4,099,371	\$2,682,824	\$1,431,069	-\$14,522	65.4%	5/2/03 A	12/4/2012	5/31/2013	131	9/30/2014	12/1/2015	313	No Project Charter or Amendment
B00395	* Sewer Group 794	\$4,093,924	\$4,093,924	\$218,769	\$0	\$3,893,155	5.3%	11/2/09 A	10/13/2014	6/4/2018		6/30/2016	3/25/2020		No Project Charter or Amendment
BL4150	Pipeline Rehabilitation AH-1	N/A	\$4,090,567	\$1,281,137	\$427,428	\$2,382,002	31.3%		N/A	2/9/2015		N/A	4/28/2016		Charter Only
B00446	* SEWER GROUP 691	\$2,907,217	\$4,080,344	\$2,816,558	\$1,133,259	\$130,326	69.0%	8/10/98 A	11/4/2013	8/1/2014	198	6/16/2015	8/4/2015	86	No Project Charter or Amendment
BL1030	* Pipeline Rehabilitation - Phase 1-2 (Lateral)	\$4,000,000	\$4,000,000	\$491,183	\$0	\$3,508,817	12.3%	12/3/12 A	9/27/2013	1/16/2015	349	12/17/2014	1/26/2017	565	No Project Charter or Amendment
BL3094	PIPELINE REHABILITATION Y-1	\$6,977,380	\$3,899,872	\$3,332,696	\$160,632	\$406,543	85.5%	9/5/12 A	4/22/2013	4/22/2013	0	6/1/2015	6/12/2015	8	Charter Amendment Only
B00448	* SEWER & WATER GROUP 694	\$4,597,426	\$3,881,113	\$3,126,966	\$593,590	\$160,557	80.6%	12/1/10 A	12/6/2013	12/6/2013	0	10/12/2015	8/3/2015	-51	No Project Charter or Amendment
B00435	* SEWER GJ B14	\$1,542,029	\$3,872,937	\$2,787,379	\$855,411	\$230,166	72.0%	9/1/2008	12/1/2014	5/27/2013	-408	9/5/2017	5/31/2016	-339	Charter Only
BL3099	Sewer Group Job B34	\$4,782,815	\$3,869,821	\$807,661	\$2,142	\$2,860,018	22.0%	3/1/2009	2/26/2015	10/1/2015	160	10/17/2016	4/20/2017	136	Charter Only
BL5123	Otay Valley Manhole Improvements Phase 3	TBD	\$3,850,000	\$144,663	\$50,131	\$3,455,207	4.0%		N/A	1/29/2016		N/A	10/25/2017		
B00461	* TALMADGE - GROUP 703A	\$3,344,675	\$3,591,406	\$3,342,131	\$404,028	-\$134,853	93.1%	8/3/98 A	1/31/2013	3/1/2013	66	6/10/2014	10/1/2015	351	No Project Charter or Amendment
B00447	* SEWER & WATER GROUP 693 (GP) (B5)	\$3,493,566	\$3,478,593	\$3,336,819	\$213,754	-\$73,979	96.0%	10/16/01 A	5/22/2012	5/22/2012	0	7/19/2014	3/20/2015	180	No Project Charter or Amendment
B00413	* SEWER GROUP B21	\$4,606,853	\$3,386,573	\$153,429	\$13,943	\$3,219,201	4.3%	11/2/09 A	2/5/2015	5/9/2017		6/20/2016	2/1/2019		
B00360	Water & Sewer Group Job 752	\$4,773,547	\$3,342,986	\$1,021,903	\$1,891,501	\$429,580	30.6%	6/1/09 A	10/3/2014	1/22/2015	88	6/9/2016	3/17/2016	-62	Charter Amendment Only
B00333	* CITY HEIGHTS GRP 683	\$5,172,339	\$3,318,336	\$3,038,551	\$134,743	\$145,042	91.6%	11/14/97 A	10/29/2012	10/29/2012	0	9/24/2014	6/3/2015	185	No Project Charter or Amendment
B00459	* SEWER GROUP 720	\$4,563,856	\$3,313,129	\$2,769,614	\$266,893	\$244,623	82.6%	1/4/99 A	7/29/2013	10/14/2013	56	10/13/2015	1/13/2015	-200	Charter Amendment Only
B00414	* SEWER GROUP B18	\$4,512,462	\$3,304,592	\$305,258	\$0	\$2,999,334	9.2%	12/2/02 A	6/29/2015	5/3/2016		12/8/2016	1/31/2018		Charter Only
BL4155	Otay Valley Manhole Improvements Phase 2	N/A	\$3,226,120	\$640,980	\$1,152,920	\$1,432,220	19.9%		N/A	4/16/2015		N/A	9/21/2015		Charter Only
BL3214	Sewer Group B37	\$1,489,158	\$3,186,340	\$138,148	\$0	\$3,047,992	4.3%	TBD	TBD	10/4/2016		N/A	6/26/2018		Charter Only
B00378	* SEWER GROUP JOB 796	\$1,578,808	\$3,080,643	\$2,975,968	\$66,766	\$17,929	96.6%	9/10/02 A	2/15/2011	2/15/2011	0	5/27/2014	9/10/2014	79	No Project Charter or Amendment
BL2048	* Water and Sewer Group 965 (S)	\$1,716,335	\$2,932,600	\$205,069	\$0	\$2,727,531	7.0%	9/5/12 A	6/4/2014	12/28/2015	419	11/16/2015	9/21/2016	305	Charter Only
BL3178	Otay Valley Manhole Improvements	\$1,560,000	\$2,880,882	\$2,268,166	\$254,389	\$361,327	78.6%	TBD	TBD	6/20/2014		N/A	2/21/2016		Charter Only
B00449	* SEWER & WATER GROUP 695	\$3,312,927	\$2,876,997	\$2,606,793	\$138,789	\$91,505	91.0%	11/2/09 A	8/7/2013	10/21/2013	55	3/23/2015	2/20/2015	-23	No Project Charter or Amendment
BL3168	Sewer & Water Group Job 963 (S)	\$2,596,900	\$2,803,787	\$274,135	\$1,443,382	\$1,116,270	9.7%	9/1/2008	4/11/2014	6/5/2016	-40	11/28/2015	1/19/2016	36	Charter Only
B00442	* SEWER GROUP 549	\$3,322,949	\$2,827,434	\$2,714,614	\$24,735	\$88,105	96.0%	4/20/99 A	3/26/2012	3/26/2012	0	5/27/2014	11/12/2014	124	No Project Charter or Amendment
B00337	* SEWER GROUP JOB 727	\$1,055,368	\$2,804,082	\$2,657,853	\$26,085	\$120,146	94.8%	11/14/00 A	10/8/2013	10/7/2013	-1	3/1/2015	2/12/2015	-13	No Project Charter or Amendment
BL2117	PACIFIC BEACH PIPELINE SOUTH (S)	\$2,813,500	\$2,788,500	\$532,880	\$52,038	\$2,203,582	19.1%	8/6/12 A	5/24/2015	11/4/2015	128	5/15/2016	11/27/2019	411	No Project Charter or Amendment
BL3157	Sewer Group B35	\$4,712,500	\$2,679,264	\$437,139	\$0	\$2,242,125	16.3%	TBD	TBD	3/30/2016		N/A	1/31/2018		Charter Only
BL1120	* PIPELINE REHABILITATION T-1	\$5,975,400	\$2,653,329	\$1,719,125	\$861,088	\$73,116	64.8%	10/24/11 A	10/9/2012	1/21/2014	344	4/17/2014	9/14/2015	376	No Project Charter or Amendment
BL1028	Pipeline Rehab - Phase K-2 (Lateral)	\$2,054,000	\$2,510,765	\$2,175,304	\$118,485	\$196,976	86.6%	3/1/2009	11/19/2013	12/14/2013	26	10/27/2014	4/6/2015	118	Charter Only
B00368	* SEWER GROUPS 764	\$3,856,656	\$2,455,997	\$259,509	\$0	\$2,196,488	10.6%	5/16/02 A	1/22/2015	6/6/2017		10/24/2016	2/13/2019		Charter Only
B00399	* SEWER GROUP 798	\$90,000	\$2,371,440	\$457,072	\$0	\$1,914,368	19.3%	12/1/12 A	TBD	5/12/2015		TBD	2/29/2016		Charter Only
BL3232	Sewer Group B36	\$2,275,500	\$2,266,612	\$364,476	\$75,568	\$1,826,568	16.1%	TBD	TBD	1/26/2017		N/A	2/25/2019		Charter Only
B00431	Mission Center Canyon Sewer A	\$2,076,341	\$2,076,341	\$165,436	\$0	\$1,910,705	8.0%	5/1/12 A	TBD	6/16/2017		TBD	3/8/2018		No Project Charter or Amendment
BL5147	AC Water & Sewer Group 1013 (S)	N/A	\$2,008,000	\$19,947	\$0	\$1,988,053	1.0%		N/A	11/30/2016		N/A	1/23/2018		No Project Charter or Amendment
BL1022	* WATER AND SEWER GROUP JOB 930 (S)	\$1,561,564	\$1,796,737	\$1,411,528	\$47,788	\$133,421	78.6%	4/1/10 A	12/3/2012	11/19/2012	-10	3/5/2014	9/19/2015	389	No Project Charter or Amendment
BL3209	Pipeline Rehabilitation Z-1	\$6,346,400	\$1,761,987	\$99,187	\$0	\$1,662,800	5.8%	9/16/13 A	TBD	11/19/2014		TBD	3/28/2016		No Project Charter or Amendment
BL0209	* Lytton St. 6-inch Sewer Replacement	\$546,937	\$1,741,928	\$1,715,806	\$161,292	-\$135,171	98.5%	10/21/10 A	5/24/2013	10/22/2013	111	10/10/2014	4/21/2015	142	No Project Charter or Amendment
BL2085	Water and Sewer Group Job 966 (S)	\$1,711,100	\$1,711,100	\$226,273	\$13,421	\$1,471,406	13.2%	3/1/2009	TBD	4/7/2016		TBD	8/15/2017		Charter & Amendment
B00394	* SEWER GJ 793	\$1,604,111	\$1,604,111	\$159,567	\$0	\$1,444,544	9.9%	11/2/09 A	2/4/2016	12/20/2018		8/17/2017	1/1/2022		

FY15 IROC REPORT - FOURTH QUARTER - WASTEWATER PROJECTS

DRAFT

SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS

As of June 30, 2015

(Financial data was run on August 10 and may not be final)

WASTEWATER PROJECTS								Planning/Design/Award Phase				Construction Phase			Project Charter/Amendment P6 Info as of July 1st Data Date
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures / Revised Proj Cost)	Start Date	COSS Final Design Approval - End	Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance	
B00410	* SEWER GJ 77D	\$2,202,419	\$1,578,525	\$1,422,786	\$107,373	\$48,367	90.1%	4/7/03 A	10/29/2012	10/29/2012	0	1/10/2014	6/3/2015	373	No Project Charter or Amendment
B00433	* Mission Center Canyon C Sewer	\$3,358,159	\$1,447,450	\$84,344	\$0	\$1,363,106	5.8%	TBD	TBD	3/29/2017		N/A	8/9/2018		No Project Charter or Amendment
B00507	* FALSE BAY EMERGENCY	\$1,424,841	\$1,424,841	\$357,472	\$9,138	\$1,058,231	25.1%	4/1/09 A	5/10/2013	7/27/2015	593	6/2/2014	8/8/2016	585	No Project Charter or Amendment
BL5172	AC Water & Sewer Group 1029 (S)	N/A	\$1,326,000	\$18,939	\$0	\$1,307,061	1.4%		N/A	3/1/2016		N/A	2/9/2017		No Project Charter or Amendment
B00443	SEWER GJ 806	\$1,290,813	\$1,290,813	\$483,769	\$0	\$807,044	37.5%	9/1/2008	7/14/2014	7/1/2015	258	12/1/2017	6/5/2018	136	Charter Only
BL2071	WATER AND SEWER GROUP JOB 946 (S)	\$662,233	\$1,247,881	\$455,811	\$631,857	\$160,193	36.5%	5/1/12 A	10/10/2012	10/10/2012	0	3/5/2015	8/3/2015	112	No Project Charter or Amendment
BL2097	Pacific Beach Pipeline Central in West Mission Bay	\$1,028,000	\$1,168,000	\$175,994	\$43,414	\$948,592	15.1%	7/9/12 A	6/25/2014	6/3/2016	520	11/7/2017	6/6/2019	422	Charter Only
BL3098	Pipeline Rehabilitation K-1	\$795,649	\$1,118,951	\$898,943	\$173,810	\$46,208	80.3%	3/1/2009	12/16/2013	12/31/2013	11	10/17/2014	5/14/2015	153	Charter Only
B00335	* SEWER GROUP 678	\$1,112,220	\$1,112,220	\$243,040	\$0	\$869,180	21.6%	10/1/13 A	TBD	3/23/2017		N/A	9/4/2018		No Project Charter or Amendment
BL1152	* Water & Sewer Group Job 95719	\$788,760	\$1,055,780	\$950,972	\$334,969	-\$230,191	90.1%	6/1/11 A	12/4/2012	1/9/2013	26	2/27/2014	6/18/2015	349	No Project Charter or Amendment
B00396	* Sewer Group Job 795	\$536,210	\$1,010,567	\$852,195	\$103,147	\$55,225	84.3%	11/1/11 A	9/5/2014	3/21/2016	-323	7/10/2015	5/23/2015	-37	Charter Only
BL2111	Tyrian Street and Soladad Avenue Sewer Main Replac	\$1,395,500	\$981,300	\$289,387	\$0	\$691,913	29.5%	8/27/12 A	12/27/2013	3/9/2016	589	3/13/2015	1/3/2017	478	Charter Only
BL1111	Teocote Canyon 8-inch CI Sewer Main	\$854,160	\$912,811	\$276,630	\$19,404	\$617,806	30.3%	5/21/12 A	10/15/2013	9/1/2015	503	4/1/2015	1/25/2017	488	No Project Charter or Amendment
BL5173	Boundary St & Edmonton Ave SBR	\$670,500	\$865,158	\$497,078	\$262,830	\$105,250	37.5%	1/2/2013	3/13/2014	5/27/2014	55	11/19/2014	8/4/2015	167	Charter Only
B00458	* Sewer & Water Group 711 (COSS) (02)	\$809,156	\$809,156	\$195,627	\$0	\$643,529	23.3%	1/21/99 A	9/19/2016	9/21/2017	269	4/19/2018	4/19/2019	269	No Project Charter or Amendment
BL5213	Water and Sewer Group 962 (S)	TBD	\$812,000	\$2,764	\$0	\$809,236	0.3%	10/1/13 A	TBD	10/5/2016		N/A	9/23/2020		No Project Charter or Amendment
BL5040	AC Water & Sewer Group 1011 (S)	N/A	\$773,000	\$61,706	\$6,250	\$705,044	8.0%		N/A	4/27/2016		N/A	5/26/2017		Charter Only
BL4069	Water and Sewer Group 955 (S)	N/A	\$758,700	\$182,273	\$0	\$556,427	24.7%		N/A	6/13/2016		N/A	3/23/2018		Charter Only
B00437	SEWER GROUP JOB 833	\$811,088	\$703,362	\$658,108	\$0	\$45,255	93.6%	3/1/2001	6/6/2014	3/28/2016	-51	4/3/2015	2/19/2015	-31	Charter Only
B00422	Sewer GJ 672A	\$674,000	\$674,000	\$338,214	\$0	\$335,786	50.1%	1/14/09 A	7/11/2013	7/11/2013	0	1/23/2014	3/25/2015	312	Charter Only
BL3203	Water & Sewer GJ 654	\$1,012,000	\$666,200	\$80,327	\$7,088	\$578,785	12.1%	3/1/2009	TBD	7/24/2013		TBD	4/4/2017		Charter Only
BL4145	AC Water & Sewer Group 1016 (S)	TBD	\$932,103	\$66,021	\$351,288	\$214,814	10.4%		TBD	11/26/2014		TBD	8/3/2017		Charter Only
BL1019	SEWER GROUP JOB 830	TBD	\$604,000	\$66,097	\$0	\$537,903	10.9%	TBD	TBD	3/30/2016		N/A	3/11/2017		No Project Charter or Amendment
BL4148	AC Water & Sewer Group 1004 (S)	TBD	\$801,133	\$305,770	\$225,722	\$69,641	50.9%		TBD	1/9/2015		TBD	2/10/2016		Charter Only
BL5113	Sewer & AC Water Group 840 (S)	TBD	\$398,230	\$28,070	\$0	\$370,160	4.7%		N/A	3/24/2015		N/A	2/24/2016		Charter Only
BL5178	La Jolla Scientific Drive Pipeline (S)	N/A	\$375,100	\$15,049	\$0	\$360,051	2.6%		N/A	9/30/2013		N/A	7/27/2017		Charter Only
BL4070	Sewer Group 839	N/A	\$300,000	\$87,812	\$0	\$41,2188	17.6%		N/A	1/21/2016		N/A	12/27/2016		Charter Only
BL5238	AC Water & Sewer Group 1001 (S)	\$178,800	\$494,024	\$206,402	\$226,604	\$61,018	41.8%	6/1/13 A	11/25/2013	1/23/2014	41	5/16/2015	11/18/2015		Charter Only
B00409	SEWER GJ 798C	\$90,000	\$484,380	\$205,757	\$0	\$278,623	42.5%	3/1/2008	TBD	12/23/2015		TBD	12/21/2016		Charter Only
BL2108	Via Alicante & Crescent Dr SBR (ORC)	\$898,500	\$456,545	\$336,784	\$0	\$99,761	78.1%	7/2/12 A	3/24/2013	5/24/2013	0	2/10/2014	4/23/2014	54	No Project Charter or Amendment
BL3177	Citywide Manhole Improvements	TBD	\$440,000	\$86,330	\$0	\$353,670	20.3%	TBD	TBD	4/7/2015		N/A	9/2/2016		Charter Only
BL5079	AC Water & Sewer Group 1014 (S)	N/A	\$387,800	\$42,951	\$0	\$344,849	11.1%		N/A	4/29/2016		N/A	8/29/2017		Charter Only
BL5148	AC Water & Sewer Group 1020 (S)	N/A	\$113,000	\$18,513	\$0	\$94,487	16.4%		N/A	10/31/2016		N/A	2/6/2018		No Project Charter or Amendment
B00398	* SEWER GJ 797	\$70,000	\$70,000	\$237,870	\$0	-\$167,870	339.8%	11/2/09 A	10/29/2015	TBD		7/31/2017	TBD		No Project Charter or Amendment
B00357	SEWER GROUP JOB 687A	TBD	TBD	\$159,277	\$0				N/A	TBD		N/A	TBD		
B00364	Sewer GJ 757	TBD	TBD	\$212,440	\$0			6/16/03 A	1/20/2015	TBD		1/26/2017	TBD		
B00368	Sewer & Water GJ 765	TBD	TBD	\$186,125	\$0			8/1/03 A	7/6/2015	TBD		3/27/2017	TBD		
B00374	Sewer GJ 763	TBD	TBD	\$452,010	\$0			11/2/09 A	4/14/2017	TBD		9/25/2018	TBD		
B00386	SEWER & WATER GROUP JOB 775	TBD	TBD	\$201,366	\$0			1/2/2013	TBD	TBD		TBD	TBD		
B00391	SEWER GROUP JOB 781	TBD	TBD	\$315,732	\$0			11/2/09 A	1/28/2015	TBD		11/20/2017	TBD		
B00400	Sewer GJ 663A	TBD	TBD	\$44,078	\$0			11/2/09 A	10/20/2015	TBD		4/5/2017	TBD		
B00406	SEWER GROUP JOB 806	TBD	TBD	\$189,810	\$13,983			11/14/00 A	TBD	TBD		TBD	TBD		
B00407	Sewer GJ 765 Cyn	TBD	TBD	\$81,051	\$0			10/1/02 A	11/21/2014	TBD		2/25/2016	TBD		

FY15 IROC REPORT - FOURTH QUARTER - WASTEWATER PROJECTS

DRAFT

SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS

As of June 30, 2015

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WASTEWATER PROJECTS								Start Date	Planning/Design/Award Phase			Construction Phase			Project Charter/Amendment P6 Info as of July 1st Data Date
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	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	
B00408	Sewer & Water GJ 779	TBD	TBD	\$293,463	\$0			8/3/13 A	TBD	TBD		TBD	TBD		
B00418	SEWER CANYON GROUP B10	N/A	TBD	\$123,587	\$0				N/A	TBD		N/A	TBD		
B00424	SEWER GROUP JOB 800	TBD	TBD	\$20,602	\$0			8/6/13 A	N/A	TBD		N/A	TBD		
B00427	VAN NUYS CANYON	N/A	TBD	\$281,061	\$0				N/A	TBD		N/A	TBD		
B00434	SEWER GROUP 828	TBD	TBD	\$26,318	\$0			TBD	TBD	TBD		N/A	TBD		
B00438	Buchanan Sewer C	TBD	TBD	\$200,086	\$0			TBD	TBD	TBD		N/A	TBD		
B00439	Buchanan Sewer D	TBD	TBD	\$39,287	\$0			TBD	TBD	TBD		N/A	TBD		
BL5231	Caltrans SR-11 Sewer Relocation Project	N/A	TBD	\$10,054	\$0				N/A	TBD		N/A	TBD		
BL5233	College Avenue & College Grove Drive	N/A	TBD	\$55,112	\$0				N/A	TBD		N/A	9/13/2014		
BL5235	Drury Lane & Prospect Street	N/A	TBD	\$36,011	\$0				N/A	TBD		N/A	TBD		
BL5121	3920 Sioux Avenue Sewer Main Replacement	TBD	TBD	\$30,722	\$0				TBD	TBD		TBD	TBD		
BL5122	7319 Olivetas Ave Sewer Main Replacement	TBD	TBD	\$8,766	\$0				TBD	TBD		TBD	TBD		
BL5132	804 Tangiers Court SMR	TBD	TBD	\$10,739	\$0				TBD	TBD		TBD	TBD		
BL5133	MOC 3 Material Blends	TBD	TBD	\$89,950	\$4,285				TBD	TBD		TBD	TBD		
BL5142	2416 Shamrock St Sewer Main Replacement	TBD	TBD	\$31,738	\$0				TBD	TBD		TBD	TBD		
BL5166	Sewer & AC Water Mains at Zoo Drive (S)	N/A	TBD	\$369,408	\$0				N/A	TBD		N/A	TBD		
BL5002	AC Water and Sewer Group 1026 (S)	N/A	TBD	\$35,586	\$8,392				N/A	TBD		N/A	TBD		No Project Charter or Amendment
BL5031	Murphy Canyon Rd RS Joint Repair/Rehab	N/A	TBD	\$421,242	\$0				N/A	TBD		N/A	TBD		
BL5033	3702 Hardy Avenue Sewer Main Replacement	N/A	TBD	\$58,022	\$0				N/A	TBD		N/A	TBD		
BL5042	4680 Iowa Street Sewer Main Replacement	TBD	TBD	\$16,356	\$0				N/A	TBD		N/A	TBD		
BL5043	5871 Adobe Falls Sewer Main Replacement	N/A	TBD	\$15,517	\$0				N/A	TBD		N/A	TBD		
BL5074	Chalmers St & India St Sewer Replacement	TBD	TBD	\$8,218	\$0				N/A	TBD		N/A	TBD		
BL5076	59th St & Madison Ave Sewer Replacement	N/A	TBD	\$21,633	\$0				N/A	TBD		N/A	TBD		
BL5082	AC Water & Sewer Group 1025 (S)	TBD	TBD	\$19,074	\$0				N/A	TBD		N/A	TBD		No Project Charter or Amendment
BL5116	AC Water & Sewer Group 1017 (S)	TBD	TBD	\$33,699	\$5,185				N/A	TBD		N/A	TBD		No Project Charter or Amendment
BL5117	AC Water & Sewer Group 1023 (S)	TBD	TBD	\$14,383	\$0				N/A	TBD		N/A	TBD		
BL5118	AC Water & Sewer Group 1027 (S)	TBD	TBD	\$10,957	\$0				N/A	TBD		N/A	TBD		
BL5159	5155 College Avenue Sewer Replacement	N/A	TBD	\$28,707	\$0				N/A	TBD		N/A	TBD		
BL5187	Pipeline Rehabilitation AI-1	N/A	TBD	\$13,979	\$0				N/A	TBD		N/A	TBD		
BL5197	2655 Ulric Street	N/A	TBD	\$21,162	\$0				N/A	TBD		N/A	TBD		
SEWER TREATMENT PLANTS - MUNI															
TBD	MCWRP Influent Pump Station Bridge Cranes / Hoists and Isolation Gate / Valves Upgrades	\$500,000	TBD						N/A	TBD		N/A	TBD		
TBD	Gates Upgrades	\$440,000	TBD						N/A	TBD		N/A	TBD		
TRUNK SEWERS - MUNI															
B00494	* TS #36 & #18 Improvements	\$4,772,935	\$2,455,306	\$277,306	\$0	\$2,178,000	11.3%	TBD	TBD	3/4/2021		N/A	8/15/2022		No Project Charter or Amendment
B00499	* Penitas North Trunk Sewer	\$3,661,452	\$938,500	\$69,229	\$0	\$869,271	7.4%	TBD	TBD	12/9/2020		N/A	5/24/2022		No Project Charter or Amendment
BL4068	S Mission Valley TS Accretion Project	N/A	\$600,000	\$237,866	\$3,066	\$356,068	39.6%		N/A	10/15/2013		N/A	7/27/2016		Charter Only
BL2087	Sorrento Valley Rd T.S Abandonment	\$377,000	\$221,398	\$52,905	\$119,409	\$49,084	23.9%	3/1/2009	TBD	10/29/2014		TBD	12/11/2013		Charter Only
B00485	Hillside Sewer (Techtel)	TBD	TBD	\$117,364	\$0			TBD	TBD	TBD		N/A	TBD		
B00489	La Jolla - Pacific Beach TS	TBD	TBD	\$274,254	\$0			TBD	TBD	TBD		N/A	TBD		

FY15 IROC REPORT - FOURTH QUARTER - WASTEWATER PROJECTS

DRAFT

SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS

As of June 30, 2015

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NOTES:		* FY12 baseline being replaced with Cost of Service Study (COSS) amount							COSS = Cost of Service Study			CH = Project Charter in place			
- Projects are listed from highest to lowest revised project cost per asset type		Projects with \$1 mil or more in estimated project cost change (increase/decrease)							BO/BU = Beneficial Occupancy/Beneficial Use (aka Substantial Completion)			CA = Charter Amendment			
- Wastewater projects are separated into Muni and Metro		Projects six or more months behind schedule in design/construction phases							Variance = difference between COSS BO/BU and EOP BO/BU in working days			P = New Charter, Project was in planning/scope was being defined.			
- All post construction/completed projects are listed at the end of the schedule		Projects on the radar							A = Actual Milestone						
- TBD are projects that are being implemented but have not yet established a baseline		Post Construction/Complete Projects													
WASTEWATER PROJECTS									Planning/Design/Award Phase			Construction Phase			
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures /Revised Proj Cost)	Start Date	COSS Final Design Approval - End	Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance	Project Charter/Amendment P6 Info as of July 1st Data Date
B00492	Cottonwood Road TS (T5478)	TBD	TBD	\$98,766	\$0			TBD	TBD	TBD		N/A	TBD		
B00493	DEL MAR HEIGHTS TS	N/A	TBD	\$148,273	\$0				N/A	TBD		N/A	TBD		
B00509	MIDDLE TOWN EMERGENCY TS	N/A	TBD	\$117,463	\$0				N/A	TBD		N/A	TBD		
S15015	Alvarado Trunk Sewer Phase IV	N/A	TBD	\$54,961	\$0				N/A	TBD		N/A	TBD		Charter Only
S15020	Tecolote Canyon Trunk Sewer Improvement	N/A	TBD	\$54,873	\$0				N/A	TBD		N/A	TBD		Charter Only
	POST CONSTRUCTION/COMPLETE PROJECTS -														
	COMPLETED PROJECTS - METRO														
B00313	* PS 1&2 ELECTRICAL UPS & NEW BLDG AT PS2	\$9,935,000	\$10,085,000	\$10,063,804	\$29,453	-\$8,257	99.8%	11/1/06 A	N/A	N/A		3/4/2013	2/10/2013	519	No Project Charter or Amendment
BL0085	* PTL Sedimentation Basins Equip Refurbish	\$7,954,500	\$7,554,500	\$7,452,110	\$0	\$102,390	98.6%	4/1/10 A	5/6/2011	5/6/2011	0	5/2/2013	8/3/2013	68	
BL1139	* North City Cogeneration Facility Expansion	\$4,200,000	\$4,200,000	\$4,093,954	\$15,341	\$90,705	97.5%	5/18/11 A	12/16/2011	12/16/2011	0	3/26/2013	11/12/2013	169	
L100001	* Overton Upgrade at Pt Loma Wastewater Treat Plant	\$4,180,000	\$4,180,000	\$1,865,334	\$0	\$214,676	92.5%	10/23/09 A	3/22/2010	3/22/2010	0	2/6/2013	6/3/2013	86	
B00528	* MBC WATER SYSTEMS IMPROVEMENTS	\$1,179,335	\$1,179,335	\$1,207,803	\$0	-\$28,450	102.4%	5/26/09 A	N/A	N/A		2/13/2012	2/13/2012	0	
B00316	* MBC ACCESS ROAD DRAINAGE IMPROVEMENTS	\$288,184	\$288,184	\$468,890	\$0	-\$180,706	162.7%	1/5/07 A	5/25/2011	5/25/2011	0	5/1/2012	5/1/2012	0	
BL1079	PTLWTP PC-8 Transformer Cabinet & Switchboard Repl	N/A	N/A	\$364,671	\$0				N/A	N/A		N/A	N/A		
BL4075	Harbor Drive Conduit Pipeline	N/A	TBD	\$222,641	\$0				N/A	N/A		N/A	N/A		CH
	COMPLETED PROJECTS - MUNI														
S00302	* South Mission Valley Trunk Sewer	\$13,943,838	\$13,803,938	\$13,556,738	\$165,313	\$79,887	98.4%	3/16/00 A	4/28/2004	4/28/2004	0	7/8/2011	7/8/2011	0	No Project Charter or Amendment
S00336	* Harbor Drive Trunk Sewer Replacement	\$12,398,746	\$12,064,587	\$10,597,552	\$132,647	\$1,334,388	87.8%	8/16/00 A	12/29/2010	12/29/2010	0	10/17/2012	10/17/2012	0	No Project Charter or Amendment
S12033	* BALBOA TERRACE TRUNK SEWER (formerly B00478)	\$9,496,367	\$10,378,367	\$8,873,733	\$930,055	\$874,578	86.3%	7/31/98 A	3/2/2012	3/2/2012	0	4/17/2013	8/1/2013	78	No Project Charter or Amendment
S00333	* Lake Murray Trunk Sewer	\$10,366,815	\$10,366,815	\$10,744,699	\$0	-\$377,884	103.6%	8/13/01 A	6/16/2009	6/16/2009	0	3/17/2011	3/25/2011	6	
S00334	* USU Trunk Sewer	\$7,030,477	\$7,602,899	\$8,402,519	\$0	-\$799,520	110.5%	10/1/01 A	7/20/2010	7/20/2010	0	9/28/2012	9/28/2012	0	
S00303	* Pump Station Upgrades Group I North County	\$7,573,837	\$7,573,837	\$5,773,399	\$0	\$1,800,438	76.2%	9/27/01 A	1/2/2009	1/2/2009	0	5/2/2011	5/2/2011	0	No Project Charter or Amendment
BL0182	* Pipeline Rehabilitation N-3	\$7,229,000	\$6,985,920	\$6,396,921	\$0	\$388,999	91.6%	6/1/10 A	5/4/2011	5/4/2011	0	12/28/2012	9/28/2012	-67	
B00469	* PIPELINE REHAB PH H-1	\$6,585,361	\$6,585,361	\$6,292,786	\$0	\$292,575	95.6%	10/8/07 A	N/A	N/A		11/1/2011	11/1/2011	0	
B00523	* PIPELINE REHAB PHASE I-LD	\$6,215,351	\$6,215,351	\$4,649,165	\$0	\$1,566,156	74.8%	11/2/09 A	9/1/2010	9/1/2010	0	12/27/2012	12/27/2012	0	
BL0192	* Pipeline Rehabilitation P-3	\$6,122,409	\$6,166,409	\$5,820,900	\$0	\$345,509	94.4%	7/1/10 A	4/20/2011	4/20/2011	0	3/13/2013	6/29/2013	100	No Project Charter or Amendment
B00451	* SEWER GROUP 508	\$7,326,928	\$6,039,447	\$5,800,019	\$0	\$239,428	96.0%	8/3/98 A	8/3/2010	8/3/2010	0	2/13/2013	3/25/2014	297	
B00479	* Pacific Highway Trunk Sewer	\$6,036,483	\$6,036,483	\$6,232,487	\$0	-\$196,004	103.2%	7/19/00 A	5/5/2010	5/5/2010	0	11/27/2012	11/27/2012	0	
S00332	* Montezuma Trunk Sewer	\$5,736,198	\$5,814,359	\$6,180,345	\$0	-\$366,186	106.3%	10/31/06 A	2/7/2012	2/7/2012	0	3/11/2013	5/3/2014	254	No Project Charter or Amendment
B00486	* GRANTVILLE TS	\$4,359,430	\$5,361,894	\$5,335,266	\$0	\$6,588	99.6%	10/17/01 A	6/20/2011	6/20/2011	0	12/4/2012	5/14/2013	118	
BL0183	* Pipeline Rehabilitation Q-3	\$3,352,273	\$5,352,273	\$3,931,830	\$0	\$1,420,443	73.5%	6/1/10 A	7/29/2011	7/29/2011	0	12/18/2012	4/30/2013	98	
B00481	* PALM CITY TS	\$5,345,105	\$5,345,105	\$4,191,912	\$0	\$853,193	81.5%	8/22/00 A	4/13/2011	4/13/2011	0	6/25/2012	6/25/2012	0	
BL1074	* PIPELINE REHABILITATION Q-1	\$6,027,333	\$5,066,798	\$4,776,871	\$0	\$289,927	94.3%	12/20/10 A	9/6/2011	9/6/2011	0	6/24/2013	4/1/2014	306	
BL1062	* PIPELINE REHABILITATION R-1	\$4,945,971	\$4,852,232	\$4,500,645	\$0	\$351,587	92.8%	4/1/11 A	3/6/2012	3/6/2012	0	8/1/2013	6/26/2014	243	No Project Charter or Amendment
B00485	* ALVARADO TRUNK SEWER PH II	\$4,358,634	\$4,845,894	\$4,166,917	\$0	\$678,967	86.0%	12/20/99 A	1/18/2011	1/18/2011	0	7/1/2013	6/18/2014	238	
BL0184	* Pipeline Rehabilitation M-1	\$4,732,443	\$4,732,443	\$3,205,119	\$51,831	\$1,475,494	67.7%	4/15/10 A	7/27/2011	7/27/2011	0	12/7/2012	11/7/2012	0	No Project Charter or Amendment
BL0142	* PIPELINE REHABILITATION L-1	\$4,700,774	\$4,701,450	\$4,701,753	\$0	\$0,695	96.4%	12/1/09 A	12/30/2010	12/30/2010	0	12/10/2012	6/23/2013	144	
S00305	* PS Upgrades Group III Forcemains	\$4,687,622	\$4,687,622	\$4,540,943	\$8,741	\$137,938	96.9%	10/1/01 A	1/25/2011	2/25/2011	0	4/11/2013	3/28/2013	-11	No Project Charter or Amendment
B00390	* Sewer Group Job 782	\$4,210,025	\$4,210,025	\$3,989,041	\$0	\$240,984	94.3%	10/1/02 A	8/24/2010	8/24/2010	0	1/4/2013	1/22/2013	15	
B00385	* SEWER & WATER GROUP JOB 774	\$3,365,138	\$4,081,473	\$3,998,576	\$0	\$82,897	98.0%	10/24/02 A	11/18/2010	11/18/2010	0	11/1/2012	5/8/2013	138	

FY15 IROC REPORT - FOURTH QUARTER - WASTEWATER PROJECTS

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SCHEDULE OF COST OF SERVICES STUDY (COSS) VS ACTUALS

As of June 30, 2015

(Financial data was run on August 10 and may not be final)

NOTES:		FY12 baseline being replaced with Cost of Service Study (COSS) amount							COSS = Cost of Service Study				CH = Project Charter in place		
Projects are listed from highest to lowest revised project cost per asset type		Projects with \$1 mil or more in estimated project cost change (Increase/Decrease)							BO/BU = Beneficial Occupancy/Beneficial Use (aka Substantial Completion)				CA = Charter Amendment		
Wastewater projects are separated into Muni and Metro		Projects six or more months behind schedule in design/construction phases							Variance = difference between COSS BO/BU and EOP BO/BU in working days				P = New Charter, Project was in planning/scope was being defined.		
All post construction/completed projects are listed at the end of the schedule		Projects on the radar							A = Actual Milestone						
TBD are projects that are being implemented but have not yet established a baseline		Post Construction/Complete Projects													
WASTEWATER PROJECTS									Planning/Design/Award Phase			Construction Phase			
Funded Program	Project Name	COSS Estimated Total Project Cost	Revised Project Cost	Project to Date Expenditures (thru FY15, Period 12)	Encumbrances at FY15 Period 12	Project Balance (Revised Proj Cost less Expenditures less Encumbrances)	% Spent (Expenditures /Revised Proj Cost)	Start Date	COSS Final Design Approval - End	Final Design Approval - End	Final Design Approval - End Variance	COSS BO/BU	BO/BU	BO/BU Variance	Project Charter/Amendment P6 Info as of July 1st Data Date
B00311	* CALTRANS/SR- 905 OTAY MESA TS	\$3,904,000	\$3,904,000	\$3,765,430	\$0	\$138,570	96.5%		3/31/2010	3/31/2010	0	3/29/2013	3/29/2013	0	
B00370	* SEWER GROUP 767	\$3,873,012	\$3,868,012	\$4,305,871	\$0	-\$437,859	111.3%	5/14/02 A	2/28/2011	2/28/2011	0	12/17/2012	4/23/2013	93	
BL1112	* Alvarado Trunk Sewer Phase IIA	\$4,336,646	\$3,775,646	\$3,708,978	\$0	\$66,668	98.2%	3/11/11 A	5/27/2011	5/27/2011	0	5/22/2013	6/26/2013	26	
B00329	* SEWER GROUP 982	\$3,616,158	\$3,616,158	\$3,548,728	\$0	\$67,430	98.1%	3/2/98 A	12/23/2009	12/23/2009	0	11/9/2011	11/9/2011	0	
BL0141	* PIPELINE REHABILITATION K-1	\$3,988,630	\$3,592,330	\$2,763,564	\$0	\$828,766	76.9%	12/1/09 A	9/29/2010	9/29/2010	0	1/31/2013	3/30/2012	-225	
B00362	* WATER & SEWER GJ 754	\$3,560,417	\$3,560,417	\$3,084,840	\$0	\$475,577	86.6%	11/29/01 A	3/2/2010	3/2/2010	0	6/8/2012	6/8/2012	0	No Project Charter or Amendment
B00389	* Sewer Group Job 786	\$3,502,926	\$3,502,926	\$3,473,321	\$0	\$29,605	98.2%	10/1/02 A	8/30/2010	8/30/2010	0	5/30/2012	5/30/2012	0	
B00361	* SEWER GJ 755	\$3,428,694	\$3,428,694	\$2,059,144	\$0	\$1,389,550	59.5%	11/29/01 A	9/1/2010	9/1/2010	0	5/29/2012	5/29/2012	0	
BL3014	* PIPELINE REHABILITATION W-1	\$3,344,433	\$3,344,432	\$2,638,035	\$422,145	\$283,232	78.9%	8/22/12 A	4/30/2013	12/4/2013	160	6/30/2014	3/20/2015	193	Charter Amendment Only
B00404	* GROUP 3015-SEWER GROUP 803	\$3,250,155	\$3,250,795	\$2,969,069	\$0	\$281,726	91.3%	5/14/02 A	7/1/2010	7/1/2010	0	3/31/2012	5/31/2012	0	
B00326	* SEWER GROUP 665	\$2,854,169	\$3,008,532	\$2,908,120	\$0	\$100,332	96.7%	12/5/06 A	4/1/2009	4/1/2009	0	7/15/2011	11/3/2014	885	No Project Charter or Amendment
B00372	* SEWER & WATER GROUP JOB 761	\$3,329,041	\$2,923,675	\$2,728,968	\$0	\$194,707	93.3%	8/3/09 A	6/28/2012	6/28/2012	0	1/8/2014	12/8/2013	-24	No Project Charter or Amendment
B00455	* SEWER GROUP 754	\$2,747,271	\$2,747,271	\$2,168,111	\$0	\$579,160	78.9%	1/25/09 A	3/26/2010	3/26/2010	0	10/16/2012	9/21/2012	-18	
B00305	* SEWER PUMP STATION #27 - PHASE 2	\$2,738,632	\$2,738,632	\$2,820,179	\$0	-\$81,547	103.0%	5/21/07 A	6/25/2010	6/25/2010	0	12/4/2012	11/7/2013	248	
B00371	* SEWER & WATER GROUP 768	\$2,703,671	\$2,703,671	\$2,476,319	\$0	\$231,352	91.4%	1/3/02 A	10/13/2010	10/13/2010	0	3/10/2012	2/20/2012	0	
B00373	* GROUP 3015-SEWER GROUP 762	\$2,697,940	\$2,697,940	\$3,011,496	\$0	-\$313,556	111.6%	5/15/02 A	7/1/2010	7/1/2010	0	6/18/2012	5/18/2012	-23	
B00485	* SEWER GROUP JOB 785A ACCELERATED	\$2,649,967	\$2,649,967	\$2,369,093	\$0	\$280,874	89.4%	4/1/03 A	11/15/2010	11/15/2010	0	12/17/2012	6/21/2012	-131	
B00345	* SEWER GROUP 755	\$2,492,006	\$2,575,994	\$2,220,237	\$176,335	\$177,372	86.3%	2/12/01 A	10/8/2013	10/8/2013	0	3/1/2015	2/11/2015	-13	No Project Charter or Amendment
B00462	* SEWER GROUP 723	\$3,652,620	\$2,303,296	\$2,203,236	\$0	\$300,050	88.0%	8/1/99 A	7/29/2011	7/29/2011	0	10/16/2013	10/21/2013	4	No Project Charter or Amendment
B00405	* SEWER & WATER GROUP 792	\$2,334,963	\$2,334,963	\$2,131,262	\$0	\$203,701	91.3%	9/2/2002	4/28/2011	4/28/2011	0	11/30/2012	11/30/2012	0	
B00381	* SEWER & WATER GROUP 789	\$2,127,642	\$2,127,642	\$2,613,183	\$0	-\$485,541	122.8%	5/16/02 A	11/17/2010	11/17/2010	0	11/26/2012	12/7/2012	8	
B00412	* SEWER GROUP 808	\$1,754,216	\$2,035,595	\$1,598,652	\$212,130	\$224,813	78.5%	6/2/03 A	6/26/2014	8/30/2013	-220	8/19/2015	9/18/2014	-246	No Project Charter or Amendment
B00419	* SEWER & WATER GROUP 822	\$2,372,516	\$1,987,516	\$1,956,552	\$216,812	-\$179,848	98.1%	5/16/02 A	10/27/2010	10/27/2010	0	3/30/2012	3/30/2012	0	No Project Charter or Amendment
B00342	* SEWER GROUP JOB 732	\$1,378,683	\$1,943,027	\$1,728,592	\$0	\$214,435	89.0%	11/17/00 A	9/27/2012	9/27/2012	0	4/18/2014	2/27/2014	-37	No Project Charter or Amendment
B00420	* SEWER & WATER GROUP JOB 799	\$1,942,197	\$1,870,671	\$1,765,270	\$266,776	-\$161,375	94.4%	5/15/03 A	11/1/2011	11/1/2011	0	4/5/2013	6/24/2014	326	No Project Charter or Amendment
B00340	* SEWER GROUP JOB 730	\$1,785,061	\$1,307,430	\$1,307,433	\$0	-\$1	100.0%	11/15/00 A	2/12/2010	2/12/2010	0	6/8/2011	6/8/2011	0	
B00300	* SEYLAKE CYN SWR PS	\$1,714,046	\$844,798	\$717,773	\$41,228	\$85,797	85.0%	12/28/01 A	3/14/2014	11/4/2013	-95	8/20/2015	2/6/2015	-143	No Project Charter or Amendment
BL1021	* WATER AND SEWER GROUP JOB 929 (S)	\$773,105	\$773,105	\$783,581	\$0	-\$12,476	101.6%	4/1/10 A	2/7/2012	2/7/2012	0	5/20/2013	7/10/2013	37	
BL1136	* WATER & SEWER GROUP JOB 934	\$631,314	\$560,888	\$711,048	\$0	-\$130,160	126.8%	1/3/11 A	4/15/2013	4/15/2013	0	10/15/2014	6/30/2014	-78	No Project Charter or Amendment
BL0224	* Sewer Pump Station 94 Force Main Repair	\$500,000	\$500,000	\$1,775,341	\$0	-\$1,275,341	355.1%	6/1/10 A	12/30/2010	12/30/2010	0	1/31/2013	4/30/2013	65	
BL1151	* Water & Sewer Group Job 956 (S)	\$603,600	\$480,472	\$455,408	\$0	\$35,064	92.9%	6/1/11 A	11/1/2012	11/1/2012	0	8/19/2013	10/3/2013	33	
BL2107	* E St 32nd St & Nueces St SWR (SRC)	\$649,000	\$438,072	\$440,165	\$0	-\$2,093	100.5%	7/2/12 A	5/21/2013	5/21/2013	0	3/19/2014	7/26/2013	-153	
BL3090	* 24-inch Harbor Dr Sewer Main Replacement	\$310,000	\$373,333	\$358,906	\$0	\$14,427	96.1%	10/23/12 A	4/15/2013	4/4/2013	104	11/6/2013	12/1/2014	286	
BL2109	* Swan Court Cyn Sewer Lateral Relocation	\$200,000	\$200,000	\$181,016	\$0	\$18,984	90.5%	6/11/12 A	2/6/2013	5/8/2013	67	11/15/2013	N/A		No Project Charter or Amendment
BL4115	* AC Water & Sewer Group 1006 (S)	TBD	\$183,750	\$21,885	\$0	\$161,865	11.9%		TBD	10/20/2014		TBD	12/9/2015		CH, CA + 5 mo, -\$150,650 (SL) +\$205,833 (W)
BL1110	* Swan Street Sewer Main Replacement Project	\$230,500	\$162,785	\$136,888	\$0	\$25,897	84.1%	8/6/12 A	5/1/2013	5/3/2013	1	1/30/2014	9/30/2013	-89	
BL2115	* 44th St & Fairmount Avenue Sewer Replacement	N/A	\$98,000	\$105,183	\$0	-\$7,183	107.3%	9/1/12 A	N/A	N/A		N/A	1/25/2013		
BL3192	* 41st & Landis Alley SWR	N/A	\$98,000	\$126,816	\$0	-\$18,816	129.4%		N/A	N/A		N/A	2/18/2014		
BL3193	* 3939 Mission Blvd SWR	N/A	\$98,000	\$25,956	\$0	\$72,044	26.5%		N/A	N/A		N/A	4/13/2014		
BL3194	* 786 Rosecrans Street SWR	N/A	\$98,000	\$30,575	\$0	\$67,425	31.2%		N/A	N/A		N/A	9/6/2013		
BL3195	* 12720 Via Esperia SWR	N/A	\$98,000	\$4,321	\$0	\$93,679	4.4%		N/A	N/A		N/A	N/A		
BL3204	* 2037 Cypress Avenue	N/A	\$98,000	\$41,038	\$0	\$56,962	41.9%		N/A	N/A		N/A	5/22/2013		
BL3234	* 1665 Beta Street	N/A	\$98,000	\$26,822	\$0	\$68,178	30.4%		N/A	N/A		N/A	12/2/2013		

FY15 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/ ORIGINAL TOTAL PROJECT COST %	DESCRIPTION
4th QTR FY15 (4/01/-2015 - 6/30/2015)							
B-10190 / B-11022	Water & Sewer Group 930	\$3,299,144.50	\$619,161.20		\$3,918,305.68	18.77%	C.O. No 3- paid for field adjustments required to meet actual field conditions, additional pavement and striping, resolve conflicts with unexpected utilities, additional ADA requirements and modifications to the pressure reducing vault.
3rd QTR FY15 (1/01/-2015 - 3/31/2015)							
B-13098	Pipeline Rehabilitation X-1	\$513,000.00	\$170,260.00		\$683,260.00	33.19%	Final C.O. – Various bid items were adjusted to reflect actual field measured quantities which differed from the original engineers estimate.
B-00372 /B-00080	Sewer & Water Group 761	\$3,095,000.00	(\$309,700.81)		\$2,785,299.81	-10.00%	Final Decrease C.O. - Project Cost Savings Sewer and water bid items were adjusted to reflect actual field measured quantities which differed from the original engineers estimate, including a large amount for concrete pavement which was not used.
B-11004 / B-11136	Water & Sewer Group 934	\$1,497,870.05	\$344,350.40		\$1,842,220.45	22.99%	Final C.O. - Sewer and water bid items were adjusted to reflect actual field measured quantities which differed from the original engineers estimate, including additional pavement repair and overlay due to poor soil and underground water conditions.
2nd QTR FY15 (10/01/-2014 - 12/31/2014) N/A							
1st QTR FY15 (07/01/-2014 - 9/30/2014)							
B-00462 / B-00050	Sewer & Water Group 723	\$1,891,914.39	(\$318,014.51)		\$1,573,899.88	-16.81%	Final Decrease C.O. - Project Cost Savings Sewer and water bid items were adjusted to reflect actual field measured quantities which differed from the original engineers estimate, including most of the field order allowance which was not used. 64 working days were added as a result of rain delays and delay from water shut down.
B-13196	F Street Emergency Water Main Replacement	\$750,000.00	\$541,898.93		\$1,291,898.93	72.25%	This was a time and material contract. Due to the emergency there was no design and the exact scope of work was unknown at the time of the award. The original 750k was a rough estimate. The majority of the work had to be done at night per Caltrans requirements which increased the cost of the project greatly. In addition, the project had to install several curb ramps to comply with ADA and deal with other unknowns that came up during construction.

B-00476	Sewer PS No 13 Rehab	\$596,190.00	\$114,144.20		\$710,334.20	19.15%	Change order provided for future blind flanges in the pump station walls for future force mains. Also involved were force piping adjustments inside to align them correctly for the future force main project.
B-00362 / B-00072	Sewer & Water Group 754	\$2,665,218.95	(\$487,359.32)		\$2,177,859.63	-18.29%	Final Decrease C.O. - Project Cost Savings Sewer and water bid items were adjusted to reflect actual field measured quantities which differed from the original engineers estimate, including a large amount not used for dewatering permit, and treatment and disposal of contaminated water.

Summary of Charter Amendments for Water and Wastewater
For Fiscal Year 2015
Information Obtained from Senior PMs and Project Controls
As of August 24, 2015

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<u>WBS</u>	<u>Project Name</u>	<u>Explanation for Charter Amendment</u>	<u>Asset Type</u>	<u>Charter Amendment Amounts [1]</u>
<u>WATER</u>				
S11025	Chollas Building	Alternative study, value engineering	Other	-\$1,200,000.00
S11106	WSDU - Security Upgrades to lakes/Dams	Scope change and method of delivery	Other	\$80,000.00
B14116	AC Water Group 1006	Increased construction cost and time	Water Pipelines	\$205,833.00
B14092	Otay 2nd Pipeline, Phase 1	1472 process	Water Pipelines - Transmission	-\$590,000.00
S11021	University Pipeline Replacement	Caltrans permit and scope change	Water Pipelines - Transmission	-\$3,827,552.00
B11023	College Ranch Hydro Pump Station	Scope change	Water Pump Station	-\$2,518,000.00
S12012	Cielo & Woodman Pump station	1472 process	Water Pump Station	-\$380,000.00
S12040	Tierrasanta Pump Station	ROW acquisition and scope change	Water Pump Station	-\$6,700,000.00
B11070	La Jolla View Reservoir	SRF loan, Environmental reviews, and scope change	Water Storage	-\$2,890,000.00
S00041	Morena Outlet Tower Upgrades	DSOD requirements	Water Storage	-\$2,850,000.00
S00044	Lower Otay Reservoir Outlet Improvements	Project on hold by PUD and scope change	Water Storage	\$60,000.00
Total Water Charter Amendments				<u>-\$20,609,719.00</u>
<u>WASTEWATER</u>				
L100011	Oviation Upgrade at Penasquitos PS	Deleted by PUD	Large Sewer Pump Station	-\$482,923.00
L100012	Oviation Upgrade at Pump Station 64	Deleted by PUD	Large Sewer Pump Station	-\$482,923.00
S00312	PS 2 Power Reliability & Surge Protection	Study alternatives and scope additions	Large Sewer Pump Station	-\$1,800,000.00
B00459	Sewer Group 720	Reduce the project cost	Sewer Pipelines	-\$1,240,727.00
B00507	False Bay RR Trunk Sewer	MTS coordination and ROW acquisition	Sewer Pipelines	-\$140,000.00
B13014	Pipeline Rehabilitation W-1	Schedule delays	Sewer Pipelines	-\$1,282,587.00
B13094	Pipeline Rehabilitation Y-1	Decreased scope and estimate	Sewer Pipelines	-\$3,077,508.00
S00323	MBC Odor Control Facilities Upgrade	Added scope, use of PUD consultant (longer negotiation duration), longer review time by PUD	Sewer Treatment Plants	-\$2,683,165.00
Total Wastewater Charter Amendments				<u>-\$11,189,833.00</u>

[1] Charter Amendment Amounts being finalized.

Item 7

MetroTAC Work Plan

MetroTAC
2014/15 Work Plan
September 2015 (Revised Per Metro TAC)

MetroTAC Items	Description	Subcommittee Member(s)
SDG&E Rate Plan	SDG&E has submitted a Rate Plan that would not only change some rate structures but will also shorten the off peak hours for users such as utilities. BBK will continue to monitor and update Metro TAC and Commission/JPA members on protest measures.	Paula de Sousa
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-Disposables in Wastewater	9/13: Eric Minicilli handed out a position paper prepared by the NEWEA. 6/15 Chairman Humora provided attached from SCAP.	Eric Minicilli
2015/16 Transportation Rate Update	5/14: Metro TAC approved 2014 transportation rate w/caveat that PUD staff hires a consultant to review/revise methodology for 2015.	Al Lau Dan Brogadir Karyn Keese
PLWTP Permit Ad Hoc TAC	<i>8/15: Greg Humora and Scott Tulloch continue to meet with stakeholders. Cost allocation subcommittee continues to meet with City staff. Milestones are included in each month Metro TAC and Commission agenda packet</i>	Greg Humora Roberto Yano Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese
IRWMP	<i>8/15 RAC minutes included in August Metro TAC agenda. Padre Dam received a \$6 million grant for their project.</i>	Bob Kennedy Steve Beppler 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.	Greg Humora Karen Jassoy Karyn Keese
Recycled Water Revenue Issue	Per our Regional wastewater Agreement revenues from SBWTP are to be sewer revenues and proportionally shared with PA's. North City has similar requirements however the debt from the optimized system must first be repaid. <i>7/15: Recycled revenues from South Bay dispersed to PAs in June 2015. Karyn Keese will work with City staff to determine the remaining balance on the optimized system debt.</i>	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.	Greg Humora
Strength Based Billing Evaluation	City of San Diego staff will hire an outside engineering consultant every three years to audit the Metro metered system to insure against	Al Lau Dan Brogadir 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.	Eric Minicilli
Padre Dam Mass Balance Correction	<i>8/15: Final reconciliation was approved and checks/bills were sent in June 2015.</i>	Rita Bell Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
Waiver	<i>8/15: Waiver was submitted on time. EPA has stated that they will not review until 2016.</i>	Greg Humora Scott Tulloch Karyn Keese
City of San Diego Recycled Water Pricing Study	<i>8/15: PUD staff presented recycled water rate study to SD Environmental Committee, IROC, and Metro TAC with two options: a unitary rate similar to the current rate structure or a zone rate. Metro TAC approved the unitary rate and requested SD open negotiations with their wholesale customers on a wholesale rate.</i>	Karyn Keese Rita Bell
Pure Water Program Cost Allocation	A small working group was formed to discuss options to allocate PLWTP offset project costs among the water and wastewater rate payers; <i>8/15: Cost allocation group continues to meet on an every two week basis. Final numbers expected in December 2015.</i>	Greg Humora Scott Tulloch Roberto Yano Karyn Keese
Metro JPA Strategic Plan	6/18: Strategic planning session held at PLWTP. Goals for next coming years were set.	Greg Humora
Board Members' Items		
Rate Case Items	<i>8/15: City of San Diego staff presented water and recycled water rate case to San Diego Environmental Committee and IROC. Presented recycled water rate case to Metro TAC. Recycled water rate case to be presented to Metro JPA/Commission at their September 2015 meeting.</i>	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 <i>8/15: In June 2015 all audits from FE 2007 to FYE 2012 were trued up and each PA either received a refund or a bill based upon their paid annual sewer billing contributions versus actual costs for each year. FYE 2013 and FYE 2014 Exhibit E's are close to completion. FYE 2015 audit entrance conference is scheduled for August 31, 2015.</i>	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 Committee and the Board as they develop. <i>8/15: City of San Diego is potentially progressing with a refunding of outstanding sewer debt.</i>	Karen Jassoy Karyn Keese
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?	<i>Who should take over?</i>

Completed Items	Description	Subcommittee Member(s)
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
Rate Case Items	1/12: San Diego is in the process of hiring a consultant to update their rate case. As part of that process, Metro TAC and the Finance Committee will be monitoring the City's proposals as they move forward. 6/12: San Diego hired Black & Veatch as their rate consultant. 2/13: Preliminary results were reported at the IROC Meeting of 2/19/13. Karyn Keese will be working with the IROC Finance Committee to review details. 3/13: Karyn Keese attended a joint workshop with IROC to review the draft revenue requirement for the Rate Case. 4/13: Next meeting with IROC on the rate case is 5/20/13. 5/13: Next special meeting with IROC is June 24, 2013. 6/13: San Diego is only moving forward with Water Rate Case due to needed rate increase. Wastewater does not appear to need a rate adjustment for two years.	Karyn Keese
Exhibit E	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to Schedule E will come directly to the Board as they develop. 2/13: 2010 and 2011 audits are ongoing. 3/13: The 2010 audit is complete and has been presented to Metro TAC & the Finance Committee. Will move forward to Commission at 6/13 meeting. 2011 field work is complete. 2012 sample selected. 9/13: 2012 preliminary fieldwork is complete. Waiting for PUD's answers to questions. 5/14: Fieldwork for all audits is complete (including 2013). True-ups have not been completed since 2008 due to the Padre Dam and North City billing issues.	Karen Jassoy Karyn Keese
Future bonding	Metro TAC and the Finance Committee are active and will monitor this process. Individual items related to bonding efforts will come directly to the Board as they develop. 10/26/11: San Diego is issuing an RFP for a cost of service study to support a future bond issue potentially in mid-2013. Kristin Crane to sit on the selection panel. 2/13: San Diego's preliminary rate case does not show the issuance of additional debt until FY 2018.	Karen Jassoy Karyn Keese Kristen Crane
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

Completed Items	Description	Subcommittee Member(s)
Pure Water Program Cost Allocation	A small working group was formed to discuss options to allocate PLWTP offset project costs among the water and wastewater rate payers; Concepts will be discussed at TAC and JPA Board in near future.7/12: Subcommittee to meet with PUD staff & consultants to review TM 8 and economic model.8/12: Subcommittee has meet with City staff and consultants. Economic model has been received. City will not pursue cost allocations until Demonstration Project is complete due to staffing constraints. 6/13: Ad Hoc TAC has started work on cost allocation concept. 5/14: Cost allocation workgroup will meet in May. 6/14: Cost allocation group has met twice.7/14: <i>Cost allocation group continues to meet on a every two week basis.</i>	Greg Humora Leah Browder Scott Tulloch Rick Hopkins Roberto Yano Kristen Crane Al Lau Bob Kennedy Karyn Keese
Fiscal Issues	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
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
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Completed Items	Description	Subcommittee Member(s)
SDG&E Rate Case	5/14: BBK prepared a draft letter for all PAs to send regarding SDG&E's latest proposal to the PUC regarding the change in off-peak hours. BBK will continue to monitor.	Paula de Sousa
Metro JPA Strategic Plan	6/12: Chairman Ewin to establish a subcommittee to monitor the progress of strategic plan initiatives.	<i>Who should take over?</i>
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
Recycled Water Study	As part of the secondary waiver process, San Diego agreed to perform a recycled water study within the Metro service area. That study is currently underway, and MetroTAC has representatives participating in the working groups. TM #8 Costs estimates are out and PAs provided comments on TM#8 and have asked for a technical briefing. 10/16/11: Final draft of report is due out in November 2011. 1/12: Final draft of report is due in March 2012. 3/12: Final draft available for comments until 3/19/12. 4/12: PUD staff to give presentation to Metro JPA at their May meeting. 5/12 PUD staff presented the Recycled Water Study to the Metro JPA at their May meeting. Metro JPA approved the Study as a planning document. Study to move forward to SD City Council in July 2012 with letter of support from JPA. 7/12: City of San Diego approved the Recycled Water Study; Study submitted on time to Coastal Commission. Final report uploaded to JPA website. 11/12: San Diego received a letter from the Coastal Commission. Metro Commission consensus was that based on the tone of the Coastal Commission letter the region may be seeing some time line changes relative to San Diego's projections on the implementation of IPR and that the MetroTAC needs to manage all aspects including the Coastal Commission and multiple issues such as desalination water, Coastal Commissions attitude at this point and pending IPR programs we have heard about.	Scott Huth Al Lau Scott Tulloch Karyn Keese
IRWMP	4/12: Metro TAC received a presentation from Cathy Pieroni (City of San Diego) on the Integrated Regional Water Management Program (IRWMP). Group is still relatively informal but plans to become more structured during its upcoming 2 year plan update. There is a governance & finance work group that starts in the 3rd quarter of 2012 and at that point the JPA role will be examined. Padre Dam and Chula Vista are regular participants. 9/19: Cathy Pieroni gave an update. Recommendation by IRWM to the RAC to include a seat for the Metro JPA. Bob Kennedy will attend the October 3, 2012 meeting representing the JPA. 11/12: At their November 2012 meeting the Metro Commission unanimously appointed Bob Kennedy of Otay Water District as primary and Metro TAC Chairman Greg Humora as alternate to the IRWMP RAC. 2/13: On February 6, 2013 Bob Kennedy attended the IRWMP meeting. Metro JPA has been added as a permanent member of the Water Quality subcommittee of the RAC. The City of San Diego presented an overview of the Recycled Water Study. Next meeting scheduled for April 3, 2013. Closed 4/12 as the Metro JPA has become a member.	Bob Kennedy Greg Humora

Completed Items	Description	Subcommittee Member(s)
Ebola Protocol for Protection of Wastewater Staff	11/14: Members of Metro TAC discussed their concerns over protecting their wastewater crews from exposure to viruses such as Ebola. A recent panel of AWWA experts came to a conclusion that there are no current guidelines available from the CDC. Ann Sasaki stated that she will find if San Diego has a protocol on this and report back. It was suggested that ADS might have a protocol and should be contacted. SCAP has not released anything as well. 12/14: Tom Howard reported that the CDC has provided guidelines and will provide a copy of it to be included in the December minutes. 3/15: continued guidelines are being released.	Mike Obermiller Tom Howard
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. 3/15: New website has launched.	Greg Humora Karyn Keese Lori Peoples
Role of Metro JPA regarding Recycled Water	As plans for water reuse unfold and projects are identified, Metro JPA's role must be defined with respect to water reuse and impacts to the various regional sewer treatment and conveyance facilities 2/12: Scott Huth removed as member due to new position. JPA/Metro TAC needs to appoint a new representative. 4/13: Scott Tulloch added to this subcommittee. Metro TAC member needed. 5/13: Greg Humora added to this work group. 6/13: This group was formalized by the JPA as the PLWTP Ad Hoc Technical Advisory Committee.	Greg Humora Karyn Keese Scott Tulloch
San Diego Wastewater 50th Anniversary Celebration	5/13: Cheryl Lester presented the draft plan for the Anniversary celebration. She requested Metro Commission/JPA participation. Commission Parks will represent the Commission/JPA. 9/13: The celebration was a big success and was well attended.	Sherryl Parks
SDG&E Rate Case	8/19: Karyn to check with Paula regarding latest SDG&E issues. 11/12: Sophie Akins from BBK will present updated information to Metro TAC.	Paula de Sousa
Salt Creek Diversion	9/2010: OWD, Chula Vista and San Diego met to discuss options and who will pay for project; Chula Vista and OWD are reviewing options. 2/2011: OWD and PBS&J reviewed calculations with PUD staff; San Diego to provide backup data for TAC to review. This option is also covered in the Recycle Water Study. 10/26/11: Back-up information has still not been received from staff. 8/12: San Diego to conduct business case evaluation and add to Capital Improvement Program as recommend by Metro Commission to San Diego City Council on July 17, 2012 in support of the Recycled Water Study. 5/14: PUD staff has prepared and presented a Business Case. This has been discussed at the March, April, & May Metro TAC meetings. 5/14: Metro TAC agreed with PUD staff recommendation that this project should not be pursued at this time. Otay abstained from the vote.	Roberto Yano Bob Kennedy Karyn Keese Rita Bell

Metro TAC

Participating Agencies

Selection Panel Rotation

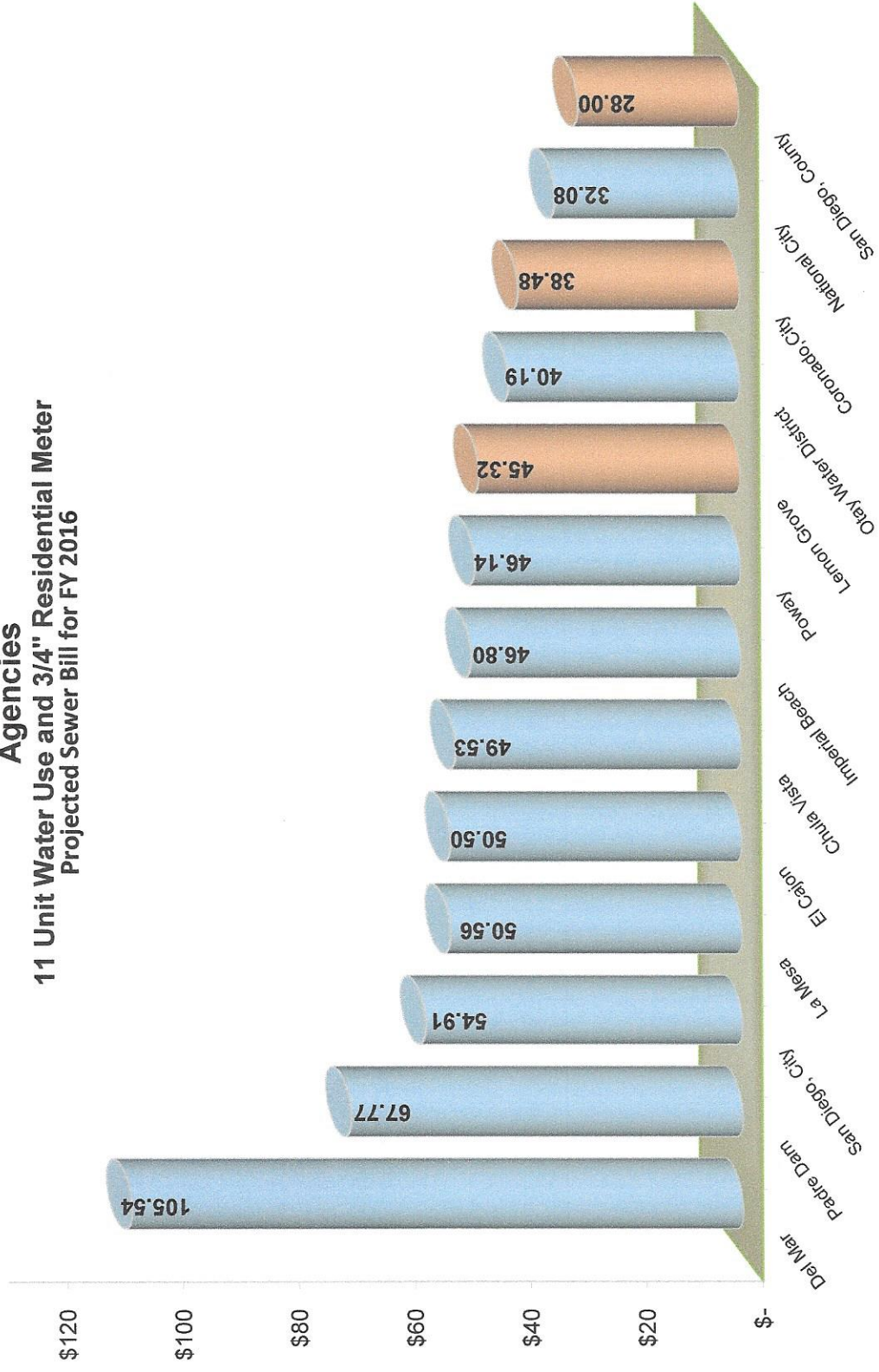
Agency	Representative	Selection Panel	Date Assigned
Padre Dam	Neal Brown	IRWMP – Props 50 & 84 Funds	2006
El Cajon	Dennis Davies	Old Rose Canyon Trunk Sewer Relocation	9/12/2007
La Mesa	Greg Humora	As-Needed Piping and Mechanical	11/2007
National City	Joe Smith	MBC Additional Storage Silos	02/2008
Otay Water District	Rod Posada	As-Needed Biological Services 2009-2011	02/2008
Poway	Tom Howard	Feasibility Study for Bond Offerings	02/2008
County of San Diego	Dan Brogadir	Strategic Business Plan Updates	02/2008
Coronado	Scott 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	COSS's for both Water and WW	10/2011
El Cajon	Dennis Davies	Independent Accountant Financial Review & Analysis – All Funds	01/2012

Updated 9/9/2015

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	As-Needed Engineering Services (Passed)	7/25/14
National City	Kuna Muthusamy	As-Needed Engineering Services	7/25/14
Coronado	Ed Walton	Strategic Planning	01/2014
Otay Water District	Bob Kennedy	Strategic Planning (Volunteered, participated last year)	01/2014
Del Mar	Eric Minicilli	Pure Water Program Manager Services	9/1/14
Padre Dam	Al Lau	Pure Water Program Manager Services	9/1/14
County of San Diego	Dan Brogadir	As-Needed Condition Assessment Contract	3/24/2015
Chula Vista	Roberto Yano	Out on Leave	6/10/15
La Mesa	Greg Humora	North City to San Vicente Advanced Water Purification Conveyance System	6/10/15
Poway	Mike Obermiller		
El Cajon	Dennis Davies		
Lemon Grove	Mike James		
National City	Kuna Muthusamy		
Coronado	Ed Walton		
Otay Water District	Bob Kennedy		

**Sewer Rate Comparison Metro Member
Agencies
11 Unit Water Use and 3/4" Residential Meter
Projected Sewer Bill for FY 2016**



Item 8

Pt. Loma Permit Renewal

Point Loma Permit/Potable Reuse KEY MILESTONE DATES



10/05/2015

DATE	TASK	FOLLOW UP ACTION/STATUS
January	Begin outreach to regulators, legislators, key stakeholders and public	San Diego signed contract with Katz Assoc. 5/14
01/23/2014	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.
February	First draft of legislative language	Draft prepared
03/05/2014	San Diego (Ann, Brent, Bob, Allan) meet with EPA staff	Pure Water program was well received by EPA
10/08/2014	City of San Diego Environmental Committee	Consideration of Pt Loma Permit
10/16/2014	Metro Commission - VOTE on Supporting Permit	
11/18/2014	City of San Diego City Council Meeting	Consideration of Pt Loma Permit and Side Agreement. Passed 9-0
2015		
January	Submit NPDES Permit to the Environmental Protection Agency	Submitted!
	Prepare proposed lang for administrative fix to Clean Water Act	
	Be ready to provide lang for legislative fix to Clean Water Act	
05/20/2015	Present Phase 1 of cost allocation to Metro TAC	
06/04/2015	Metro JPA Strategic Planning Meeting at Pt Loma	
06/23/2015	Stakeholders meeting	
07/01/2015	Water Reliability Coalition Potable Reuse Media Training	
07/15/2015	Cost allocation meeting	
08/18/2015	Stakeholders meeting	
09/15/2015	City of San Diego City Council Request to set Prop 218 Public Hearing for water rate increase	218 Notice for water rates approved to be mailed out
10/20/2015	Stakeholders meeting	
11/17/2015	City of San Diego Public Hearing for water rate increase	
December	Finalize Phase 2 of cost allocation	
December	Begin drafting updated wastewater disposal agreement	

Milestone Progress Dashboard

