



**METRO TAC AGENDA**  
**(Technical Advisory Committee to Metro JPA)**

**TO:** Metro TAC Representatives and Metro Commissioners

**DATE:** Wednesday, April 15, 2015

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

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

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

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1. Review and Approve MetroTAC Action Minutes for the Meeting of [March 18, 2015](#) (**Attachment**)
2. Metro Commission/JPA Board Meeting Recap (Standing Item)
3. **ACTION:** Consideration and Possible Action to Approve As-Needed Engineering Consultant Services 2015-2017 Agreement (**Attachment**) (Rania Amen)
4. JPA Audit Review (Karen Jassoy)
5. JPA Mid-Year Budget Review (Karen Jassoy)
6. Metro Wastewater Update (Standing Item)
7. Metro Capital Improvement Program and Funding Sources (Standing Item)
8. Financial Update (Standing Item) (Karyn Keese)
9. MetroTAC Work Plan (Standing Item) (**Attachment**) (Greg Humora)
10. Point Loma Permit Renewal (Standing Item) (Greg Humora)
11. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**May 7, 2015 if needed**)
12. Other Business of Metro TAC
13. Adjournment ([To the next Regular Meeting, May 20, 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

# ATTACHMENT 1

March 18, 2015 Action Minutes

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

**ACTION MINUTES**

**DATE OF MEETING:** March 18, 2015  
**TIME:** 11:00 AM  
**LOCATION:** MWWD, 2E MOC II – 2<sup>nd</sup> Floor

**MEETING ATTENDANCE:**

Greg Humora, La Mesa  
Dennis Davies, El Cajon  
Ed Walton, Coronado  
Stephen Beppler, Otay WD  
Al Lau, Padre Dam  
Mark Niemiec, Padre Dam  
Tom Howard, Poway  
Troy Bankston, Poway  
John Helminski, City of San Diego  
Edgar Patino, City of San Diego  
Marie Wright-Travis, City of San Diego

Lee Ann Jones-Santos, City of San Diego  
Rania Amen, City of San Diego  
Peggy Merino, City of San Diego  
Albert Sohikish, City of San Diego  
Mike Faramarzi, City of San Diego  
Tung Phung, City of San Diego  
Monica Smoczynski, City of San Diego  
Pete Wong City of San Diego  
Karyn Keese, Atkins

1. **Review and Approve MetroTAC Action Minutes for the Meeting of February 18, 2015**  
Vice Chair Dennis Davies moved approval of the February 18, 2015 minutes. The motion was seconded by Ed Walton and the minutes were approved unanimously.
2. **Metro Commission/JPA Board Meeting Recap (Standing Item)**  
Chairman Humora reviewed the March meeting of the Metro Commission/JPA.
  - Commissioner Spriggs was approved as the representative to IROC and Chairman Peasley will serve as alternate. Commissioners Miesen and Spriggs were appointed to the vacant seats on the finance committee.
  - The Commission approved sponsorship as a community sponsor for the Spring Reception of the Water Reliability Coalition
  - John Helminski provided a brief PowerPoint presentation on the Pure Water Program similar to the one presented to Metro TAC at their February meeting.
  - John Helminski, provided a brief PowerPoint presentation regarding the status of the Pure Water Program Technical Services Agreement Task Order No. 1 and No. 2 similar to the one presented to Metro TAC at their February meeting.
  - Erin Bullers from the City of La Mesa provided a brief verbal overview of the new JPA website home page.
3. **ACTION: Consideration and Possible Action to Approve Pump Station 2 Force Main Siphon & West Pt. Loma Interceptor Sewer.**  
Tung Phung provided an updated staff report (Attachment A). This is the third time this project has been out to bid. The first time there were no bids because of 3-hour restriction to perform the lining work on PS2 Force Main Siphon. The second time the City only received one bidder and they were non-responsive to required Equal Opportunity Contracting (EOC) goals in the bid documents. Due to the nature of the work the EOC goals were revised for the current bid documents. The City received two 2 bids this time and Sancom Engineering was the low bidder at

\$2 million. During the time period between the first and third bids the cost of construction has increased. On a motion by Roberto Yano and seconded by Al Lau this contract was unanimously approved for review and potential approval by the Metro Commission/JPA.

**4. Condition Assessment Update**

PUD staff gave a PowerPoint presentation on the Metro Wastewater Facilities Condition Assessment Program based on questions from last month's Metro TAC meeting (Attachment B to these minutes). The next phase after the assessment is complete will be to prioritize projects. If emergency projects are identified they are being completed immediately to reduce the probability of facility failure.

**5. Metro Wastewater Update (Standing Item)**

- Lee Anne Jones Santos reported that final audits for 2011 and 2012 should be presented at the May Metro TAC meeting. Draft of cost allocation for the Pure Water Program should be available for June Metro TAC.
- John Helminski stated that the City is still working on Task Order 2 and that new numbers should be available within the next two weeks. The Shared Point site should be up and running in May with Metro access and will include new times and dates for the continued progress meetings
- Lee Anne Jones Santos is anticipating that with the close of the 2011 and 2012 audits and the resolution of the billing issues that the City is looking at July 2015 for refunds/bills to the participating agencies for all open years. The City will work with any agency who owes money on lump sum payments.
- Tom Howard asked if the PAs would be getting industrial waste monitoring bills in April. Lee Ann will follow up on when these will be sent out.

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

There was no report this meeting.

**7. Financial Update**

There was no financial update this month.

**8. MetroTAC Work Plan (Standing Item)**

Tom Howard noted that there are continuing updates coming out regarding handling Ebola in the wastewater stream. The work plan will also be updated on the billing issues and the audit closures.

**9. Point Loma Permit Renewal**

Chairman Humora reviewed the progress over the last month. The Regional Board has acknowledged receipt of the permit renewal and may potentially issue a notice of tentative decision in December 2015. Dialogue is continuing with the EPA Region 9 (California) and Headquarters (Washington, D.C.) to see if an administrative fix to the Code of Federal Regulations is viable to provide for Secondary Equivalency. A draft of potential Legislation is ready to go if the administrative fix cannot be completed. Pure Water cost allocation meetings continue every two weeks.

**10. Review of Items to be Brought Forward to the next Metro Commission/Metro JPA Meeting (April 2, 2015)**

Chairman Humora recommended that PUD staff present the Metro Wastewater Facilities Condition Assessment Program to the Metro Commission/JPA. In addition Item 3 is moved forward for the Commission's review and possible approval.

**11. Other Business of Metro TAC**

Steve Beppler reported that Bob Kennedy was in the hospital being treated for leukemia. He also reminded that the WAS golf tournament is coming up on May 8, 2015 with proceeds from the match benefitting Water for People. He will forward flyer to Lori Peoples for distribution to Metro TAC/Commission members.

**12. Adjournment (To the next Regular Meeting, April 15, 2015)**

# ATTACHMENT A

**METRO JPA/TAC**  
**Staff Report**

**Subject Title:** Pump Station 2 Force Main Siphon, and West Point Loma Interceptor Sewer (WPLIS) Liner Repairs.

**Requested Action:** Authorizing an increased expenditure of \$600,000 from Metro Sewer Fund 700009, WBS B11098, to award a contract to Sancon Engineering Inc., for the Pump Station 2 Rosecrans Force Main Siphon, and West Point Loma Interceptor Sewer (WPLIS) Liner Repairs.

**Recommendations:** Approval

**Summary of Item:**

The Public Utilities Department owns and operates the 87- inch Pump Station 2 Force Main and the 114- inch West Point Loma Interceptor pipelines. The PS2 Force Main is a reinforced concrete pipe (RCP) that runs from Pump Station 2 to the East Portal Structure and is approximately 15,000 feet long. The portion requiring liner repairs is the force main siphon located under the Navy channel at the Harbor Drive Bridge. The PS2 Force Main Siphon is approximately 664 feet long and is approximately 1,700 feet downstream of Pump Station 2. The Force Main Siphon was inspected to assess the existing condition of the pipe prior to the renovation of the North Harbor Drive Bridge. The inspection revealed that the force main overall is in sound condition. However, the inspection identified damage to the 240-degree T-lock liner and severe liner bubbling near the access structure on the Anti-Submarine Warfare channel side. Additionally, T-lock anchors were pulled from the concrete pipe near the access structure on the Spanish Landing side.

The West Point Loma Interceptor Sewer (WPLIS) pipeline conveys all the raw sewage to the Point Loma Wastewater Treatment Plant (PLWTP). The interceptor is a 114-inch Polyvinyl Chloride (PVC)-lined, reinforced concrete sewer pipe and is approximately 1.4 miles long. WPLIS was inspected and found to be in sound condition overall. However, damage to the 240-degree T-lock liner was identified at 26 locations. The damage was generally located at pipe joints where heat welded strips had failed, allowing sewer gas to come in contact with the reinforced concrete pipe (RCP) which caused severe corrosion at these locations.

This action is to award the contract to Sancon Engineering Inc. for the lining repairs using Ameron ArrowLock product, which has been selected through the City soliciting competitive bids. The total estimated cost for this project is \$2,300,000, of which \$1,969,690 is for construction and \$330,310 for project contingency and administration cost.

Metro TAC:	
IROC:	This project is included in the Quarterly Report Update.
Prior Actions: (Committee/Commission, Date, Result)	MetroTAC – Approved on April 16, 2014  Metro Commission – Approved on May 1, 2014 with an estimated project cost of \$1,700,000.

**Fiscal Impact:** \$600,000 due to higher bid results. Funds are available in the FY15 Metro Sewer Utility Fund 700009.

Is this projected budgeted? Yes ☒ No ☐

Cost breakdown between Metro & Muni:

This project is 100% Metro.

\$2,300,000 (Total Project Cost)

\$1,700,000 (Previously Approved in May 2014)

**\$600,000 (Increased Amount)**

Financial impact of this issue on the Metro JPA:

The Metro JPA shared on this project is 33.5%.

\$770,500 (Total Metro shared)

\$569,500 (Amount Previously Approved)

**\$201,000 (Additional Request for Approval)**

**Capital Improvement Program:**

New Project? Yes ☐ No ☒

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

**Comments/Analysis:** This project was put out for competitive bid on November 20, 2013, and no bids were received because of the 3-hour restriction to perform the lining work on PS 2 Force Main Siphon. The project was rebid with extended work hours on March 25, 2014, and there was only one bidder, Sancon Engineering Inc, at \$1.4 million. The contractor was deemed non-responsive by the Equal Opportunity Contracting (EOC) for not meeting the subcontracting percentage participation requirement. Due to the specialty work, the Public Utilities Department was able to obtain a subcontracting requirement waiver from EOC. The recent bid was opened on February 26, 2015. There were two bidders. Sancon Engineering Inc. was the lowest responsive bidder at \$1,960,690.

**Previous TAC/JPA Action:** This project was approved by MetroTAC and Metro Commission on April 16, 2014 and May 1, 2014, respectively.

**Additional/Future Action:**

**City Council Action:** No Council Action is required since this project is approved by City Council as part of the Public Utilities department CIP budget.



# ATTACHMENT B



# **Metro Wastewater Facilities Condition Assessment Program**

## **Metro Technical Advisory Committee**

Presented by Engineering and Program Management Division

March 18, 2015

Quality, Value, Reliability -  
In Every Drop!



## **Agenda**

- Condition Assessment Contract Overview
- Completed and Current Condition Assessment Efforts
- Future Planned Condition Assessment Efforts
- Anticipated Results
- Q&A



## Condition Assessment Contract Overview

The Department has issued two (2) condition assessment contracts to provide an accelerated and systematic assessment program.

**1. As-Needed Consultant Services for Wastewater Facilities Condition Assessment**

- Total contract amount: \$5.0 Million
- Contract duration: 3 years
- NTP issued in June 2013
- Selected Consultant: HDR
- Facilities targeted under the contract include: pipelines, treatment facilities and large metro pump stations

**2. Programmatic Wastewater Pipelines Condition Assessment**

- Total contract amount: \$8.0 Million
- Contract duration: 5 years
- NTP issued in August 2013
- Selected Consultant: Tran Consulting Engineers
- Facilities targeted under the contract include: trunk sewers and large pump station force mains

- 3. The Department also utilizes in-house staff to perform facility condition assessment if there is a minimal need for highly specialized equipment. Facilities assessed in-house: muni pump stations and treatment facilities**



## Recently Completed Assessments

### Pipelines:

- South Metro Interceptor-inspection of access structures (Phase 1)
- North Metro Interceptor-inspection of access structures (Phase1)
- West Point Loma Interceptor Sewer and Pump Station 2 Force Main Siphon Inspection
- Rose Canyon Parallel Trunk Sewer

### Treatment Facilities:

- Point Loma WWTP-Inspection and Assessment of South Effluent Outfall Connection



## South and North Metro Interceptors (Phase 1)

- Phase I entailed the condition assessment of all the access structures along the South Metro Interceptor and North Metro Interceptor.

South Metro Interceptor Overview	North Metro Interceptor Overview
Major interceptor serving the South Bay community	Major interceptor which collects wastewater generated north of Interstate 8
Built in the early 1960's	Line 1-Built in the early 1960's and Line 2-Built in late 1990's
Length=14.75 miles, reinforced concrete pipe	Length=5.6 miles, reinforced concrete pipe
Diameter ranges from 42-inches to 108-inches	Diameter ranges from 66-inches to 114-inches



## South and North Metro Interceptors (Phase 1)

### South Metro Interceptor: 59 access structures inspected

#### *Conclusions and Recommendations:*

- Number of access structures in need of spot repair: 37
- Number of access structures in need of rehabilitation: 8
- Total Estimated Construction Cost: \$900,000

### North Metro Interceptor: 33 access structures inspected

#### *Conclusions and Recommendations:*

- Number of access structures in need of spot repair: 30
- Number of access structures in need of rehabilitation: 1
- Total Estimated Construction Cost: \$600,000

Note: Findings from these evaluations in conjunction with a set of prioritization criteria have been used to preliminary identify and prioritize high-risk pipelines for Phase 2 inspection.



## South Metro Interceptor Inspection Results



Large Blisters



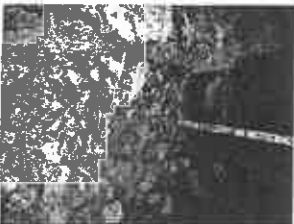
10-inch Failed Seam with Soft Concrete Underneath



Liner Spalling and Delaminating



Underside of Manhole Frame with Surface Corrosion and Failed Coating



Delaminated Coating and Exposed Aggregate



Roughly Cut Liner and Voids Around 24" Inlet



## North Metro Interceptor Inspection Results



Blocked Entrance from Manhole Barrel Lining Failure



Primary Manhole Grade Ring is Delaminating



Holes in coating



Corroded Ring and Cover



Coating Overhang Caused by Concrete Corrosion



Failed Weld



## West Point Loma Interceptor Sewer and Pump Station 2 Force Main Siphon

### Overview:

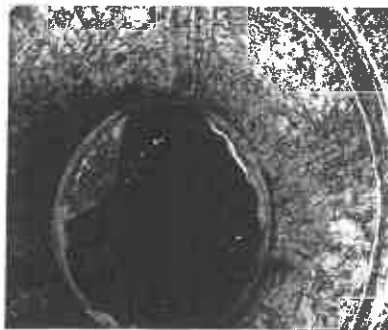
- Interceptor: 114-inch diameter, 1.4 miles long, primary year built 1982
- Pump Station 2 Force Main Siphon: 87-inch diameter, approximately 660 ft inspected
- CCTV/ Physical inspection completed in 2008

### Conclusions and Recommendations:

- Overall in good condition
- Minor/moderate liner damage at several locations, require spot repairs
- In process of awarding the contract



## West Point Loma Interceptor Inspection Results



*Liner peeling*



*Lining defect from 9 to 3 o'clock, concrete and rebar exposed*



## Pump Station 2 Force Main Siphon Inspection Results



*Bubbles in liner*



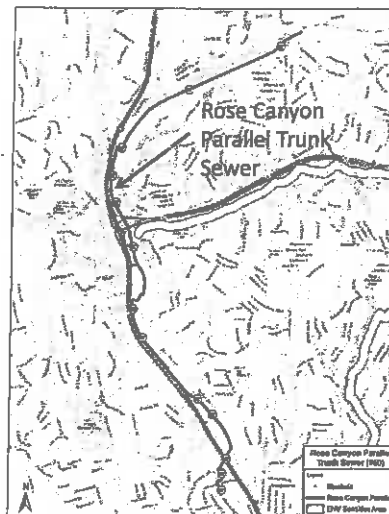
*Small separation of liner*



## Rose Canyon Parallel Trunk Sewer

### Overview:

- 5.5 mile gravity sewer line
- Diameter range: 30-60-inches
- Plastic lined concrete pipe
- Primary year built 1957
- CCTV inspection and assessment
- Preliminary inspection results - superficial cracks in pipeline (above water level) and liner defects





## Rose Canyon Parallel Trunk Sewer Inspection Results



*Crack in pipeline*



*Detached Liner*



## Point Loma Wastewater Treatment Plant

### Inspection and Assessment of the South Effluent Outfall Connection

**Description:** Internal inspection of the 108-inch South Effluent Outfall Connection (SEOC) which conveys advanced primary treated wastewater effluent from the south screening structure to the outfall structure.

### Conclusions and Recommendations:

- The SEOC is experiencing a deterioration rate above what is expected for a full flow effluent pipe
- This warrants remedial action within the next few years to preserve the asset
- Rehabilitative repairs are recommended on the joints and the RCP pipeline





## Point Loma Wastewater Treatment Plant



*Microbiologically Influenced Corrosion*



*Tubercles*



*3-inch Hole*



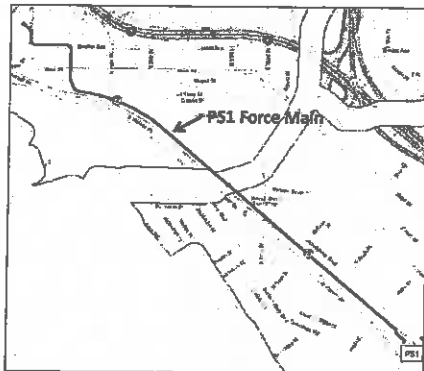
*South Effluent Outfall Connection*



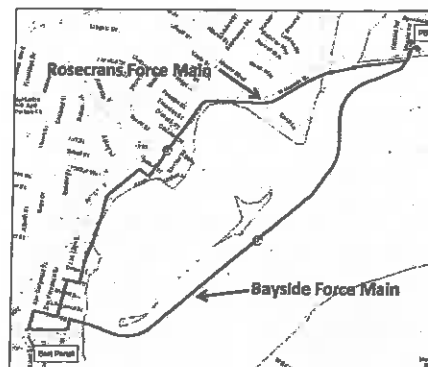
## Current Condition Assessment Efforts

### Pump Station 1 and Pump Station 2 Force Mains

- Inspection scheduled for April 2015
- PS1 Force Main: 72-inch diameter, approx. 8,740 ft long, built in 1963, bar-wrapped steel cylinder
- PS2 Landside Force Main: 87-inch diameter, approx. 15,000 ft long, built in 1963, bar-wrapped steel cylinder
- PS2 Bayside Force Main: 87-inch diameter, approx. 15,000 ft long, built in 1963, bar-wrapped steel cylinder



Pump Station 1 Force Main



Pump Station 2 Force Mains



## Current Condition Assessment Efforts

### Pump Station 1 and Pump Station 2 Force Mains

- PipeDiver- deployed to detect ruptured steel elements within the pipeline

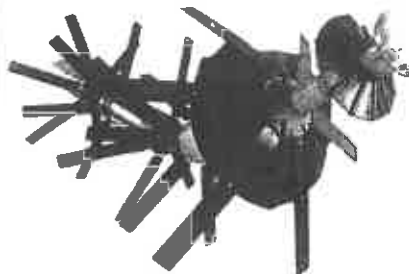


- SmartBall- Leak and gas pocket detection using a free-swimming acoustic sensor
- CCTV/Physical Inspection - to be utilized for land portion of Pump Station 2 force main

\*Courtesy of Pure Technologies



## PipeDiver Technology



\*Courtesy of Pure Technologies



## Future Planned Condition Assessment Efforts

Facility Name	Inspection Schedule		
	FY16	FY17	FY18
Logan Avenue Pump Station	X		
Olney River Pump Station	X		
Pond Area Disposed Sludge Unit	X		
Rocky Hill Water Treatment Plant	X		
South Bay Water Reclamation Plant	X		
Metropolitan Wastewater Center		X	
North City Water Reclamation Plant			X



## Anticipated Results

- Provides a pro-active approach to assess the condition of wastewater facilities
- Identifies operational issues and system deficiencies
- Reduces the probability of facility failure through operational or capital intervention
- Increases facility reliability
- Provides a basis for facility planning
- Enhances regulatory compliance
- Reduce overall cost to the City!

# ATTACHMENT 3

## As-Needed Engineering Consultant Services Agreement 2015-2017

**METRO JPA/TAC  
Staff Report  
Date: April 15, 2015**

**Project Title:** As-Needed Engineering Consultant Services 2015-2017 Agreement

**Requested Action:** Request to approve the As-Needed Engineering Consultant Services

2015-2017 agreement between the City of San Diego and Kleinfelder/ Simon Wong Engineering and proceed to forward item to Metro Commission for approval.

**Recommendations:** Approve the contract request

Metro TAC:	Approve the subject item and forward to Metro Commission for approval
IROC:	N/A
Prior Actions: (Committee/Commission, Date, Result)	The contract will be presented to the Environment Committee on April 10, 2015.

**Fiscal Impact:**

Is this projected budgeted?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cost breakdown between Metro & Muni:	It is estimated that the funding will be spent as follows: Water: 40%, Wastewater: 60% (Metro: 40%, Muni: 20%).
Fiscal impact to the Metro JPA:	33.5% of Metro cost

**Capital Improvement Program:**

New Project?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>
Existing Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Upgrade/addition <input type="checkbox"/> Change <input type="checkbox"/>

**Previous TAC/JPA Action:** None

**Additional/Future Action:** Present item to Metro Commission for approval

**City Council Action:** City Council approval anticipated on April 28, 2015.

**Background:** Please view the attached document.

**Discussion:** Please view the attached document.

**Bid Results:** Not applicable.

## As-Needed Engineering Consultant Services 2015-2017 Agreement

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The Engineering and Program Management Division within the Public Utilities Department (PUD) provides engineering services for operation upgrades and improvements at water and wastewater facilities. These engineering services are generally provided by City staff. However, occasionally, it has been necessary to utilize outside as-needed consultant staff to access highly specialized expertise which is only needed for infrequent types of projects and to accommodate emergency projects.

The Department uses professional engineering consultants to provide specialized technical services in various engineering disciplines (ex. civil, mechanical, and electrical engineering) to support the existing and future water and wastewater facilities on an as-needed basis. Task orders under the as-needed engineering contract vary in type including: studies, designs, engineering services during construction, geotechnical evaluations and facility condition assessments. It is the Department's policy to maximize the use of City in-house engineering staff both within the Department and Citywide. However, on those occasions when specialized expertise is required, the Public Utilities Department recommends the use of an as-needed professional engineering consultant. In July 2014, the Department requested proposals from qualified firms for the As-Needed Engineering Consultant Services for 2015-2017 agreement. In September 2014, a total of twelve (12) engineering firms submitted proposals pursuant to the RFP. Subsequently, the Selection Panel which consisted of five (5) participants (one (1) member from the Metro TAC, three (3) from the Public Utilities Department and one (1) member from the City's EOCP) evaluated the proposals and determined that a total of five (5) engineering firms were highly qualified to participate in the interview process. In November 2014, the Selection Panel interviewed the five (5) short-listed firms. The selection process was based on ratings in five (5) established categories: (1) Experience and Technical Competence; (2) Proposed Method to Accomplish the Work; (3) Strength of Key Personnel and Commitment to the Project; (4) Knowledge and Understanding of the Local Environment; (5) Commitment to Equal Opportunity. Based on the rating criteria, the results of the interview process selected Kleinfelder/Simon Wong Engineering as the most highly qualified firm. To date, the Department has completed negotiations with the selected consultant.

Project Cost and Schedule: The proposed As-Needed Engineering Consultant Services 2015-2017 contract with Kleinfelder/Simon Wong Engineering has a total not-to-exceed amount of five million dollars (\$5,000,000) with a contract duration of three (3) years effective from the date of City Council approval. It is estimated that the funding will be distributed as follows: Water: 40%, Wastewater: 60% (Metro: 40%, Muni: 20%).

The following schedule is anticipated:

- April 28, 2015 - City Council Approval of Agreement
- June 2015 - Issue Notice to Proceed

# ATTACHMENT 9

## MetroTAC Work Plan

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

MetroTAC Items	Description	Subcommittee Member(s)
JPA Website Update	5/13: The Metro TAC would like to update the current website as it is outdated. A review of the current website and its limitations will be on the Metro TAC agenda in the next couple months. 9/13: Greg & Karyn have been working with Vision Internet to finalize a scope of work and contract. These will go to the JPA for approval at their October meeting. 1/14: The contract has been negotiated and approved and Vision has started on the framework for the website. <i>3/15: New website has launched.</i>	Greg Humora Karyn Keese Lori Peoples
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. <i>3/15: continued guidelines are being released.</i>	Mike Obermiller Tom Howard
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-Dispersibles in Wastewater	9/13: Eric Minicilli handed out a position paper prepared by the NEWEA.	Eric Minicilli
2013/14 Transportation Rate Update	5/13: PUD staff is proposing slightly revising the methodology and increasing the transportation rate. Subcommittee met with PUD staff on 6/12/13 to review calculations. 9/13: PUD staff is having the rate methodology reviewed by engineering staff. They should be meeting with Metro TAC subcommittee within the next month. 5/14: PUD staff has met with subcommittee and will be presenting the current proposal at May Metro TAC. 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



MetroTAC Items	Description	Subcommittee Member(s)
PLWTP Permit Ad Hoc TAC	<p>6/13: Ad Hoc created by JPA at their special June workshop. Goal: Create regional water reuse plan so that both a new, local, diversified water supply is created and maximum offload at Point Loma is achieved to support federal legislation for permanent acceptance of Point Loma as a smaller advanced primary plant. Minimize ultimate Point Loma treatment costs and most effectively spend ratepayer dollars due to successful coordination between water and wastewater agencies.</p> <p>Ad Hoc has been meeting all month and has developed a Concept Paper. Ad Hoc will be giving presentations to PAs City Councils/Board of Directors during July 2013. 9/13: Greg Humora, Leah Browder, and Scott Tulloch have given presentations to most of the governing bodies of the PAs in addition to meeting with environmental groups, San Diego staff and City Council members. A position paper, as well as a presentation, has been prepared. A resolution of support has been adopted by the governing bodies of the PAs.</p> <p>1/14: The AdHoc outreach group continues to meet with stakeholders and City staff in development of the Program. <i>Milestones are included in each month agenda packet</i></p>	<p>Greg Humora Leah Browder Mark Watton Scott Tulloch Rick Hopkins Jim Smyth Karyn Keese</p>
IRWMP	<p>Bob Kennedy attended the Regional Advisory Committee (RAC) meeting of April 3, 2013. Minutes from this meeting are attached. 6/5/13: Bob Kennedy attended Meeting #43. Minutes are attached to this work plan. The Final 2013 San Diego IRWM Plan has been completed and is available to download at <a href="http://sdirwmp.org/2013-irwm-plan-update">http://sdirwmp.org/2013-irwm-plan-update</a>. 1/14: Bob Kennedy continues to attend RAC meetings and reports back to Metro TAC. 5/14: Bob Kennedy presented minutes from meeting #49 &amp; #50 to Metro TAC 9/14: Meeting No, 52 minutes included in October 2014 Metro TAC agenda. 12/14: Meeting No. 53 minutes included in December Metro TAC agenda.</p>	<p>Bob Kennedy Greg Humora</p>
Fiscal Items	<p>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.</p>	<p>Greg Humora Karen Jassoy Karyn Keese</p>
Recycled Water Revenue Issue	<p>Per our Regional wastewater Agreement revenues from SBWTP are to be shared with PA's. 4/11: City has agreed to pay out revenue to Wastewater Section and PA's credit will be on the Exhibit E adjustments at year end Open issues: Capacity reservation lease payments and North City Optimized System Debt service status. 12/11: Letter sent to San Diego regarding outstanding recycled water revenue issues. 1/14: Karyn Keese continues to meet with City staff to determine the basis of the water department's administrative charges. 4/13: Need Metro TAC member for subcommittee</p>	<p>Karyn Keese</p>
Water Reduction - Impacts on Sewer Rates	<p>The MetroTAC wants to evaluate the possible impact to sewer rates and options as water use goes down and consequently the sewer flows go down, reducing sewer revenues. Sewer strengths are also increasing because of less water to dilute the waste. We are currently monitoring the effects of this. 2/2011: wastewater revenues are declining due to conservation and flow reductions and agencies are re-prioritizing projects to be able to cover annual operations costs</p>	<p>Eric Minicilli Bob Kennedy Karyn Keese</p>

MetroTAC Items	Description	Subcommittee Member(s)
"No Drugs Down the Drain"	<p>The state has initiated a program to reduce pharmaceuticals entering the wastewater flows. There have been a number of collection events within the region. The MetroTAC, working in association with the Southern California Alliance of Publicly-owned Treatment Works (SCAP), will continue to monitor proposed legislation and develop educational tools to be used to further reduce the amount of drugs disposed of into the sanitary sewer system.</p> <p>8/2010: County Sheriff and Chula Vista have set up locations for people to drop off unwanted medications and drugs. 4/11: Local law enforcement has taken a proactive role and is sponsoring drug take back events. 3/11: TAC to prepare a position for the board to adopt; look for a regional solution; watch requirements to test/control drugs in wastewater. 10/26/11: A prescription drug take back day is scheduled for 10/29/11. Go to <a href="http://www.dea.gov">www.dea.gov</a> to find your nearest location. 4/12: East County to host a prescription drug take back 4/28/12. 4/27/13 is scheduled to be a county wide take back day. Locations can be found on the DEA website. 5/14: There was a county-wide drug take-back program on 4/26/14. All sheriffs' offices in San Diego County now take-back drugs on a daily basis. 9/14: Measures are being taken through the Attorney General's office to require Drug Stores to take back unused drugs on a national level.</p>	Greg Humora
Strength Based Billing Evaluation	<p>3/20/13: Brown and Caldwell presented their draft results to Metro TAC. This has been added as a standing item to the Metro TAC agenda for discussions on the recommendations. 9/13: This item is complete. 1/14: City staff provided Metro TAC with draft adjustments back to 2004 based on B&amp;C's review of the North City Plants flows. 2/14: The City provided the Finance Committee with draft adjustments back to 1998.</p>	Karyn Keese
Grease Recycling	<p>To reduce fats, oils, and grease (FOG) in the sewer systems, more and more restaurants are being required to collect and dispose of cooking grease. Companies exist that will collect the grease and turn it into energy. MetroTAC is exploring if a regional facility offers cost savings for the PAs. The PAs are also sharing information amongst each other for use in our individual programs. 3/11: get update on local progress and status of grease rendering plant near Coronado bridge</p>	Eric Minicilli
Padre Dam Mass Balance Correction	<p>11/11: Padre Dam has been overcharged for their sewage strengths since 1998. Staff from City of San Diego presented a draft spreadsheet entitled Master Summary Reconciliations Padre Dam Mass Balance Corrections Calculation. Rita Bell and Karyn Keese were elected to review the documentation and report back to Metro TAC. 2/12: Audit complete. Item added as Standing to Metro TAC agenda. 4/12: This issue is scheduled as a standing item and discussed at each Metro TAC meeting until it is resolved. Currently Metro TAC is focusing on the statute of limitations. 2/13: The PAs have received a joint letter from Padre Dam/City of San Diego. The PA's attorneys group continues to meet on this issue. 3/13: The attorney's group has requested an extension to 4/23/13 to respond to San Diego's letter. 5/13: The attorney's group has submitted a letter to Padre Dam and San Diego. 1/14: City of San Diego has submitted an offer to the attorney's group. The attorney's group met in January to discuss. 2/14: Edgar Patino has prepared a spreadsheet of all open financial issues. Karyn Keese is currently reviewing it. The spreadsheet has been given to the attorney's group. 5/14: Metro TAC will meet with the PA attorney group at the May meeting. 9/14: PA Attorney group has submitted a letter to San Diego and Padre Dam outlining a proposed settlement. <i>3/15: Numbers have been agreed upon but are unaudited. Attorney's are working on the Protocol.</i></p>	Rita Bell Karyn Keese

MetroTAC Items	Description	Subcommittee Member(s)
Waiver and Recycled Water Study Implementation	11/12: Metro TAC requested a timeline from City staff including milestones for the waiver process. The waiver is due no later than 7/30/15. However, the application needs to be submitted six months prior to the July date (2/1/15). Preparation of the waiver will begin in the early part of FYE 2014. 2/13: City staff has met to start coordination of the waiver process. Staff in attendance included Roger Bailey, Marsi Steirer, Guann Hwang, Steve Meyers, and Allan Langworthy. 5/13: Scott Tulloch has briefed Metro TAC and the Metro Commission/JPA on the waiver's history and secondary equivalency. A JPA workshop to be held in June to further discuss. Scott Tulloch is preparing a briefing paper for the Commission's use.6/13: JPA workshop held and PLWTP Steering Committee and Ad Hoc TAC were appointed.	Greg Humora Leah Browder Scott Tulloch Karyn Keese
City of San Diego Recycled Water Pricing Study	San Diego is working on a rate study for pricing recycled water from the South Bay plant and the North City plant. Metro TAC, in addition to individual PAs, has been engaged in this process and has provided comments on drafts San Diego has produced. We are currently waiting for San Diego to promulgate a new draft which addresses the changes we have requested. 10/26/11: draft study still not issued. 5/13: Recycled Water Study to be on July 2013 Metro TAC agenda per PUD staff.6/24/13: Recycled Water Pricing Study goes to IROC. 7/10/13: Recycled Water Study goes to NR&C 9/13: PUD has hired Black & Veatch to review the study	Karyn Keese Rita Bell
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. <i>7/14: 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
<b>Board Members' Items</b>		
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

MetroTAC Items	Description	Subcommittee Member(s)
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
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>
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>

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
State WDRs & WDR Communications Plan	The Waste Discharge Requirements (WDRs), a statewide requirement that became effective on May 2, 2006, requires all owners of a sewer collection system to prepare a Sewer System Management Plan (SSMP). Agencies' plans have been created. We will continue to work to meet state requirements, taking the opportunity to work together to create efficiencies in producing public outreach literature and implementing public programs. <b>Project complete: 5/10.</b> 2/12: State has proposed new WDR regulations. Metro TAC will not reopen but Dennis Davies will stay on top of the issue.	Dennis Davies

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



Completed Items	Description	Subcommittee Member(s)
Recycled Water Study	As part of the secondary waiver process, San Diego agreed to perform a recycled water study within the Metro service area. That study is currently underway, and MetroTAC has representatives participating in the working groups. TM #8 Costs estimates are out and PAs provided comments on TM#8 and have asked for a technical briefing. 10/16/11: Final draft of report is due out in November 2011. 1/12: Final draft of report is due in March 2012. 3/12: Final draft available for comments until 3/19/12 4/12: PUD staff to give presentation to Metro JPA at their May meeting. 5/12 PUD staff presented the Recycled Water Study to the Metro JPA at their May meeting. Metro JPA approved the Study as a planning document. Study to move forward to SD City Council in July 2012 with letter of support from JPA. 7/12: City of San Diego approved the Recycled Water Study; Study submitted on time to Coastal Commission. Final report uploaded to JPA website. 11/12: San Diego received a letter from the Coastal Commission. Metro Commission consensus was that based on the tone of the Coastal Commission letter the region may be seeing some time line changes relative to San Diego's projections on the implementation of IPR and that the MetroTAC needs to manage all aspects including the Coastal Commission and multiple issues such as desalination water, Coastal Commissions attitude at this point and pending IPR programs we have heard about.	Scott Huth Al Lau Scott Tulloch Karyn Keese
IRWMP	4/12: Metro TAC received a presentation from Cathy Pieroni (City of San Diego) on the Integrated Regional Water Management Program (IRWMP). Group is still relatively informal but plans to become more structured during its upcoming 2 year plan update. There is a governance & finance work group that starts in the 3rd quarter of 2012 and at that point the JPA role will be examined. Padre Dam and Chula Vista are regular participants. 9/19: Cathy Pieroni gave an update. Recommendation by IRWM to the RAC to include a seat for the Metro JPA. Bob Kennedy will attend the October 3, 2012 meeting representing the JPA. 11/12: At their November 2012 meeting the Metro Commission unanimously appointed Bob Kennedy of Otay Water District as primary and Metro TAC Chairman Greg Humora as alternate to the 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
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

Completed Items	Description	Subcommittee Member(s)
Salt Creek Diversion	9/2010: OWD, Chula Vista and San Diego met to discuss options and who will pay for project; Chula Vista and OWD are reviewing options. 2/2011: OWD and PBS&J reviewed calculations with PUD staff; San Diego to provide backup data for TAC to review. This option is also covered in the Recycle Water Study. 10/26/11: Back-up information has still not been received from staff. 8/12: San Diego to conduct business case evaluation and add to Capital Improvement Program as recommend by Metro Commission to San Diego City Council on July 17, 2012 in support of the Recycled Water Study. 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