



Regular Meeting of the Metro Commission and Metro Wastewater JPA

AGENDA

Thursday, June 6, 2019 - 12:00 p.m.

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

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

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

Documentation
Included

1. ROLL CALL

2. PLEDGE OF ALLEGIANCE TO THE FLAG

3. PUBLIC COMMENT

Persons speaking during Public Comment may address the Metro Commission/ Metro Wastewater JPA on any subject matter within the jurisdiction of the Metro Commission and/or Metro Wastewater JPA that is not listed as an agenda item. Comments are limited to three (3) minutes. Please complete a Speaker Slip and submit it prior to the start of the meeting.

X 4. **ACTION:** CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE REGULAR MEETING OF [May 2, 2019](#) (**Attachment**)

X 5. **PRESENTATION:** FY 2020 PROPOSED CITY OF SAN DIEGO METRO WASTEWATER UTILITY BUDGET (Charles Modica) (**Attachment**)

X 6. **PRESENTATION:** UPDATE FOR PURE WATER PHASE II ALTERNATIVE ANALYSIS (John Helminski/Doug Owen) (**Attachment**)

X 7. **ACTION:** CONSIDERATION AND POSSIBLE ACTION TO APPROVE A CONTRACT FOR MBC COOLING SYSTEMS SYSTEM CHILLERS UPGRADE (Manny da Rosa) (**Attachment**)

X 8. **ACTION:** CONSIDERATION AND POSSIBLE ACTION TO APPROVE A CONTRACT FOR SBWRP UV SYSTEM REPLACEMENT (Manny da Rosa) (**Attachment**)

- X 9. **ACTION:** CONSIDERATION AND POSSIBLE ACTION TO APPROVE AMENDMENT NO. 2 TO THE SOLE SOURCE AGREEMENT BETWEEN THE CITY OF SAN DIEGO AND HAWKINS DELAFIELD AND WOOD LLP FOR A TOTAL NOT TO EXCEED AMOUNT OF \$1,159,000 TO BE UTILILZD FOR LEGAL SERVICES FOR NORTH CITY RENEWABLE ENERGY PROJECT, MIRAMAR LANDFILL GAS AND POWER GENERATION FACILITIES AND SERVICES (John Helminski) (**Attachment**)
- X 10. **ACTION:** CONSIDERATION AND POSSIBLE ACTION TO APPROVE AMENDMENT NO. 3 TO THE AS NEEDED ENGINEERING TECHNICAL SERVICES CONSULTANT AGREEMENT WITH STANTEC, INC. (FORMERLY MONTGOMERY WATSON HARZA AMERICA, INC.) FOR THE PURE WATER SAN DIEGO PROGRAM (John Helminski) (**Attachment**)
- X 11. METRO TAC UPDATE/REPORT (Standing Item) (**Attachment**) (Roberto Yano)
12. CITY OF SAN DIEGO SECONDARY EQUIVALENCY LEGISLATION (Standing Item) (John Helminski)
13. PURE WATER PROGRAM UPDATE (Standing Item) (John Helminski)
14. IROC UPDATE (Standing Item) (Jerry Jones)
15. PURE WATER AD HOC COMMITTEE UPDATE (Standing Item) (Jerry Jones)
15. FINANCE COMMITTEE (Standing Item) (John Mullin)
16. REPORT OF GENERAL COUNSEL (Standing Item) (Paula de Sousa Mills)
17. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO WASTEWATER JPA MEETING July 4, 2019 (*Consideration to cancel and/or call a Special Meeting in July*)
18. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS
19. ADJOURNMENT OF METRO COMMISSION AND METRO WASTEWATER JPA

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

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

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

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

Metro JPA 2019 Meeting Schedule

| | | |
|-----------------|------------------|-------------------|
| January 3, 2019 | February 7, 2019 | March 7, 2019 |
| April 4, 2019 | May 2, 2019 | June 6, 2019 |
| July 4, 2019 | August 1, 2019 | September 5, 2019 |
| October 3, 2019 | November 7, 2019 | December 5, 2019 |

Attachment 4

Minutes of
May 2, 2019



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

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

**April 4, 2019
DRAFT Minutes**

Chairman Jones called the meeting to order at 12:10 p.m. A quorum of the Metro Wastewater JPA and Metro Commission was declared, and the following representatives were present:

1. ROLL CALL

| <u>Agencies</u> | <u>Representatives</u> | <u>Alternate</u> |
|--------------------------|------------------------|---------------------|
| City of Chula Vista | Steve Padilla | X |
| City of Coronado | Whitney Benzian | X |
| City of Del Mar | Sherryl Parks | X |
| City of El Cajon | Gary Kendrick | X |
| City of Imperial Beach | Ed Spriggs | X |
| City of La Mesa | Bill Baber | X |
| Lemon Grove San District | Jerry Jones | X |
| City of National City | Ron Morrison | X |
| City of Poway | John Mullin | X |
| County of San Diego | Dianne Jacob | (No representative) |
| Otay Water District | Mark Robak | (No representative) |
| Padre Dam MWD | Jim Peasley | X |
| Metro TAC Chair | Roberto Yano | X |

Others present: Metro JPA General Counsel Paula de Sousa Mills - BBK Law; Metro JPA Secretary Lori Anne Peoples; Beth Gentry – City of Chula Vista; Ed Walton – City of Coronado; Joe Bride – City of Del Mar; Dennis Davies – City of El Cajon; Eric Minicilli – City of Imperial Beach; Hamed Hashemian – City of La Mesa; Dexter Wilson – Lemon Grove Sanitation District; Roberto Yano – City of National City; Bob Kennedy – Otay Water District; Mark Niemiec– Padre Dam Municipal Water District; Rudy Guzman – City of Poway; Edgar Patino - City of San Diego Public Utilities; Tom Zeleny – Chief Deputy City Attorney, City of San Diego; Dan Brogadir – County of San Diego; Scott Tulloch – NV5 and Doug Owen - Stantec

2. PLEDGE OF ALLEGIANCE TO THE FLAG

Commissioner Baber, City of La Mesa led the pledge.

3. PUBLIC COMMENT

None

**4. ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE MINUTES OF
THE REGULAR MEETING OF APRIL 4, 2019**

ACTION: Motion by Vice Chair Peasley, seconded by Commissioner Spriggs to approve the Minutes. The motion carried unanimously

5. FINANCE COMMITTEE:

Chair Jones noted that sub-item 6 of item 5c would be discussed after the other items were approved as Commissioner Baber was abstaining on that item due to an abundance of caution. He then turned the meeting item over to Finance Committee Chair Mullin.

a. ACTION: CONSIDERATION AND POSSIBLE ACTION TO DEVELOP A METRO JPA STRATEGIC PLAN AND CREATE AN AD HOC COMMITTEE TO PROVIDE STRATEGIC PLAN INPUT

Finance Committee Chair Mullin summarized that they had received a suggestion to update the strategic plan for the organization. Concerns expressed were that we have a legal framework and work within that. We have mission and work within the mission as best we can and that is our strategic plan. The other thing is that our current plan mentions water reuse but not pure water so it may be worthy of updating. So the proposal initially presented was to almost start from scratch with a consultant, the same one as used last time and do a new strategic plan. What evolved from that discussion was to establish an Ad Hoc committee of a few commissioners and look at that on a reduced scale to review the plan and just update the plan to incorporate a reference to pure water.

The recommendation coming from the Finance Committee is to appoint an Ad Hoc Committee to review the plan and update it to include pure water and potentially use the prior consultant with the \$14,000 budget.

Chair Jones summarized that the current strategic plan needs to be updated to include pure water as there is nothing in the current plan pertaining thereto and recommended an Ad Hoc be established to get this done if the rest of the Commission supports this. He then asked if any members would be interested in serving.

Commissioner Spriggs stated he had done the strategic planning previously and thought it important to update it to include pure water.

Commissioner Benzian stated he would also like to serve on the committee.

General Counsel de Sousa Mills stated that a new member orientation used to be held for all new members; however one had not been held lately.

Chair Jones stated that the discussion by prior Commissioners was to place the new member manual on the website.

Commissioner Morrison stated that he had reviewed the agenda item and the obvious item missing is pure water so he concurred that the plan should be reviewed with anything that needs to be updated and to add pure water.

Chair Jones appointed Commissioners Benzian and Spriggs and asked Commissioners Parks and Kendrick if they would be interested in attending receiving concurrence as long as staff fills in technical aspects. Time commitment would be 2 to 3 meetings. Commissioners Kendrick and Parks concurred.

ACTION: Motion by Commissioner Benzian, seconded by Vice Chair Peasley to adopt staffs recommendation with the appointment of Commissioners Benzian, Kendrick, Parks, Spriggs and Chair Jones to an Ad Hoc Committee. Motion carried unanimously.

b. ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE AMENDMENT TO REIMBURSEMENT AGREEMENT WITH LEMON GROVE SANITATION DISTRICT TO INCREASE WORK IN FY 2018-2019 IN THE AMOUNT OF \$19,800 (WITH A CORRESPONDING REVISION TO EXHIBITS A AND B) FOR ENGINEERING SUPPORT SERVICES PROVIDED BY DEXTER WILSON ENGINEERING, INCLUDING AUTHORIZATION OF THE CHAIR OR DESIGNEE TO EXECUTE THE AMENDMENT

Finance Committee Chair Mullin stated that this item had to do with the increasing the current work load of Dexter. Karyn Keese provided an overview noting that the increase is due to two main items, a heavy work load on the residuals agreement and additional unforeseen work for Dexter's engineering assistance for Karyn's audit on the pure water task orders and design contracts.

Finance Committee Chair Mullin added that given the size and scope of pure water, having an engineering set of eyes on this, the Finance Committee felt it was money well spent and recommends approval.

ACTION: Motion by Vice Chair Peasley, seconded by Commissioner Padilla, to approve the requested amendment. Motion carried unanimously.

Finance Committee Chair Mullin stated that what was following was the budget and all of the supporting service agreements with exception of sub-item 6 of Item 5c which is pulled and will be handled separately at the end. He stated that the preference would be to handle the budget and all of the supporting contracts and then turned the items over to Karyn who provided a brief overview of each item with exception of sub-item 6 of item 5c.

i ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE FY 2020 METRO WASTEWATER JPA BUDGET AND VARIOUS SERVICES AGREEMENTS

Karyn stated that the Commission had the proposed 2020 budget before them. She stated that the first page the summary of the 2019 budget and the forecast of how they feel it will conclude on June 30, 2019 in the black. In 2020 the majority of the contracts are just being re-budgeted at the same amount without increase. There are only a couple areas where there is an expected increase over the 2019 budget. One is the JPA/MetroTAC meeting expenses which seem to be tracking a little higher so an additional \$1,000 was added for 2020 and another is the re-budget of the two items just discussed for Dexter Williams and lastly the \$14,000 for the strategic planning which will probably be much less. This is an increase in the budget of \$35,550. At the bottom of the page is the reserve summary. We operate with a four month operating reserve which we can adequately fund without an increase to the budget and should have money left over that are over and above so will be closer to a six month operating reserve which we feel is appropriate this year as it will be very busy for the consultants.

Karyn then discussed that 2020 will continue to be a very busy year for the JPA's consulting staff as all of the Phase 1 capital contracts will be bid during FY 2020 and thus a final cost allocation split between water and wastewater will be determined. Once this is complete, there will need to be a major reconciliation of all of the "50/50" task orders from project inception (2014) for shared costs that have been allocated 50% to water and wastewater equally until the final cost allocation can be determined once all construction projects are bid. As of June 30, 2018, there were 84 task orders totaling \$30 million that fall into this category for such things as program management and the project EIR. It is anticipated that this reconciliation will save the PAs \$1 million. In addition the two design contracts (Moreno Pump Station/Pipeline - \$18.2 million and the North City Expansion - \$15.4 million) will need to be reconciled and adjusted to actual contract costs as both contracts have water components. This effort will require substantial engineering and financial consultant time to insure that no water costs will be

charged to Metro as we start construction of the facilities. Once the reconciliation is done, it will need to be audited and substantial audit field work time is anticipated as San Diego adjusts their financial records to reflect this cost split.

Work also will continue on the implementation of the Amended Restated Agreement by both engineering and financial consultants. The Agreement left many financial and engineering tasks to be completed over the next year. A Financial Implementation Working Group has been formed with the City of San Diego staff to complete these tasks. In addition, work will continue by JPA engineering consultants on the residuals issue with the goal of completing a separate agreement to address this concern.

In addition, engineering staff will continue to work with San Diego to determine the Phase II facilities. It is anticipated that during the year work will start by engineering and financial consultants on drafting a Phase II Agreement with the City of San Diego.

Karyn stated the next page allocates out the budget based on the City of San Diego budget.

She thanked BBK for helping put the budget together with the contracts and amendments and Eric Minicilli who read everything and had a lot of great questions.

Finance Committee Chair Mullin stated he hoped that the Commission would see fit to adopt the budget and all of the other line items. Additionally he stated that an additional change was that we will contract directly with Dexter Wilson rather than run it through Lemon Grove.

Karyn Keese stated that when the 2017 audit is completed, they will go back to the 2017 JPA budget and do a true up which will go back to the Finance Committee and then come forward to the JPA.

General Counsel de Sousa Mills stated that the contract with Dexter Wilson is substantially in the form that it will be. They had prepared the contract prior to the change from Lemon Grove to contracting directly with Mr. Wilson.

Eric Minicilli, MetroTAC Assistant Chair, stated that as a staffer with his first time working on this, was really strongly impressed with the work from the consultants who assist the JPA and he was hopeful the contracts would be approved.

Finance Committee Chair Mullin echoed the statement of Mr. Minicilli.

ACTION: Motion by Finance Committee Chair Mullin, seconded by Vice Chair Peasley, to approve all of item 5c and all of the sub-items with exception of sub-item 6. Motion carried unanimously.

- ii. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE AMENDMENT TO THE TREASURERS CONTRACT WITH PADRE DAM MUNICIPAL WATER DISTRICT FOR FY 2020**
- iii. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE FY 2020 CONTRACT WITH THE KEE GROUP, LLC FOR FINANCIAL MANAGEMENT SERVICES**
- iv. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE FY 2020 NV5 CONTRACT FOR ENGINEERING SERVICES**
- v. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE FY 2020 CONTRACT WITH WILSON ENGINEERING SERVICES IN SUBSTANTIALLY THE FORM ATTACHED HERETO**

- vii. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE HIRING OF THE GAVARES GROUP TO PROVIDE STRATEGIC PLAN SERVICES AND AUTHORIZE THE CHAIR TO EXECUTE A SERVICES AGREEMENT NOT TO EXCEED \$14,000**

Commissioner Baber left the meeting.

Finance Committee Chair Mullin stated that this is actually a confirmation of an action that has already been taken with regards to the retention of Procopio to represent us with regards to pure water. The decision to do so has already been made.

General Counsel de Sousa Mills stated that the appointment of Procopio had been made at the last meeting and reported out after closed session, however the agreement had not been approved and that is what is being done today.

- vi. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE PROCOPIO LETTER OF ENGAGEMENT AND FY 2020 BUDGET**

ACTION: Motion by Commissioner Morrison, seconded by Commissioner Kendrick to approve the Procopio letter of engagement, the motion carried unanimously with Commissioner Baber absent.

Commissioner Baber returned to the meeting.

6. METRO TAC UPDATE/REPORT

MetroTAC Chair Yano thanked Karyn Keese and Eric Minicilli for a great job on the presentation of the budget to the MetroTAC, Finance Committee and JPA. He then stated that in addition to the budget items just approved, the MetroTAC discussed at their last meeting the schedule for the Phase II Alternative Analysis update and the working group is preparing an update for the May TAC meeting and it should be back to the JPA in June. They talked through the importance of the Amended/Restated Agreement and Karyn's update of the implementation of the agreement. Karyn Keese stated that when the Amended/Restated Agreement was prepared and by enlarge approved by the JPA. There were numerous financial tasks that were left open as there was not time to complete them and she has formed a working group with Dexter and the City of San Diego financial staff to work to complete them over the next year and will bring them back to the JPA as they have completion. Additionally, they are working on other financial issues that are long overdue. The City of San Diego has promised an updated 5 year set of projections and will hopefully have them for MetroTAC in May and the 2017 Audit and San Diego will be presenting their Metro Budget to MetroTAC, Finance and hopefully the JPA in June.

Dexter Wilson then presented an update on the residuals agreement which is required in the Amended/Restated Wastewater Disposal Agreement for any new upstream reclamation or pure water plants which directly affects the east county advance water purification program group. They are trying to work through an agreement that will allow them to sign the Amended/Restated Wastewater Disposal Agreement. Briefly there are four major tasks remaining that have to be worked through; the first two have been worked through. They are the appraisal to transfer the Mission Gorge Pump Station from the City of San Diego to the East County group. Several meetings have been held and as of last week all of the terms necessary to form a framework for an appraisal which will be the basis of the final appraisal that needs to be completed within six months of the actual transfer of the property. There seems to be general agreement here; they have also tackled the impact of the known constituents of the residuals discharge and have reached a general agreement on the impact such as BOD, PSS from the discharge on the downhill plants. That issue from an engineering standpoint is pretty much defined. The two remaining issues are the process that would happen in the future from an impact from a currently unknown constituent. What would it look like and how would it be

dealt with. The fourth item is the drafting of all of the elements of this agreement and putting it forward to the parties for review. With the action taken today, he hopes to have a draft to go to Procopio for a legal review.

7. CITY OF SAN DIEGO SECONDARY EQUIVALENCY LEGISLATION

No report.

8. PURE WATER PROGRAM UPDATE

No report.

9. IROC UPDATE

Chair Jones stated he had no report.

10. PURE WATER AD HOC COMMITTEE UPDATE

Chair Jones stated he had no report.

11. FINANCE COMMITTEE REPORT

Finance Committee Chair Mullin stated he had nothing additional to report.

12. REPORT OF GENERAL COUNSEL

General Counsel de Sousa Mills stated that on Monday, Governor Newsom issued an Executive Order calling for the preparation of a water resilience portfolio requiring several state agencies to start doing an audit of water supplies and needs for all different industries and sectors in California with the world moving toward one water this is going to be important to wastewater as well. The good thing is the state focus is expressly looking at local water suppliers and entities that are stakeholders to be looked out for and conferred with as well.

An additional item is SB 332 (Hertzberg/Weiner) which relates to wastewater treatment for recycled water and folks with ocean outfalls, introduced in a previous legislative session required zero discharge of treated wastewater from ocean outfalls, this is a bit of a change and requires the entity that owns the wastewater treatment facility that discharges through an ocean outfall and affiliated water suppliers (it defines water not wastewater suppliers) to reduce the facilities annual flow as compared to the average annual dry weather wastewater discharge baseline volume as prescribed by at least 50% on or before January 1, 2030 and by at least 95% on or before January 1, 2040. It was double referred to the Judiciary Committee and came out with a 7-2 vote after the Committee Environmental Quality approved it on a 5-2 vote and now it is in Senate Appropriations. This is something we should all keep an eye on.

Commissioner Spriggs requested a better understanding possibly a presentation from the technical and legal staff at a future meeting so the PAs could weigh in with specific concerns. Such as what the implications on our infrastructure and costs may be. General Counsel de Sousa Mills will provide additional information to MetroTAC to review and bring forward to a future Metro JPA meeting.

13. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO WASTEWATER SPECIAL JPA MEETING June 6, 2019

There were none.

14. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS

There were none

15. ADJOURNMENT

At 12:50 p.m., there being no further business, Chair Jones declared the meeting adjourned.

Recording Secretary

Attachment 5

FY 2020

Proposed City
of San Diego
Metro

Wastewater
Utility Budget

Public Utilities Department

Fiscal Year 2020 Proposed Budget – Metropolitan Sewer Fund

May 15, 2019

Metro Wastewater JPA Technical Advisory Committee



Public Utilities Department

The Public Utilities Department provides water for City of San Diego customers and wastewater treatment and disposal services for City customers and regional partners.

Mission Statement:

To provide reliable water utility services that protect the health of our communities and the environment

Vision:

A world-class water utility for a world-class city





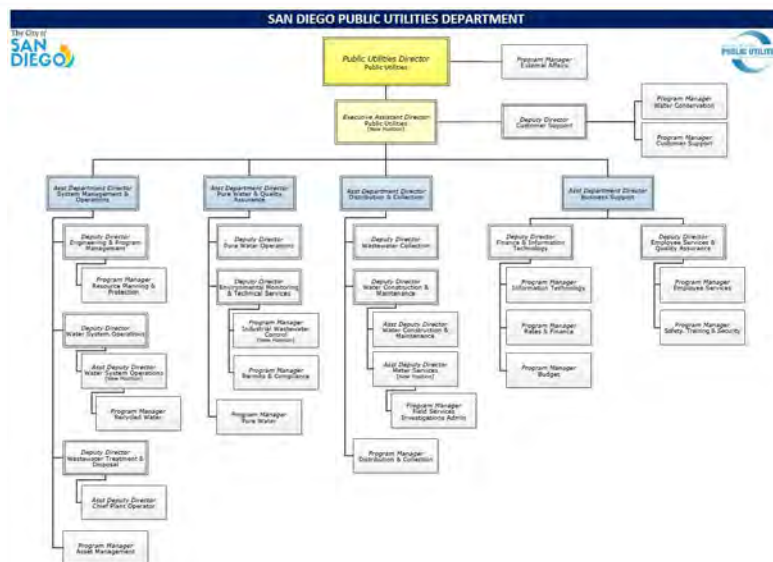
Public Utilities Department

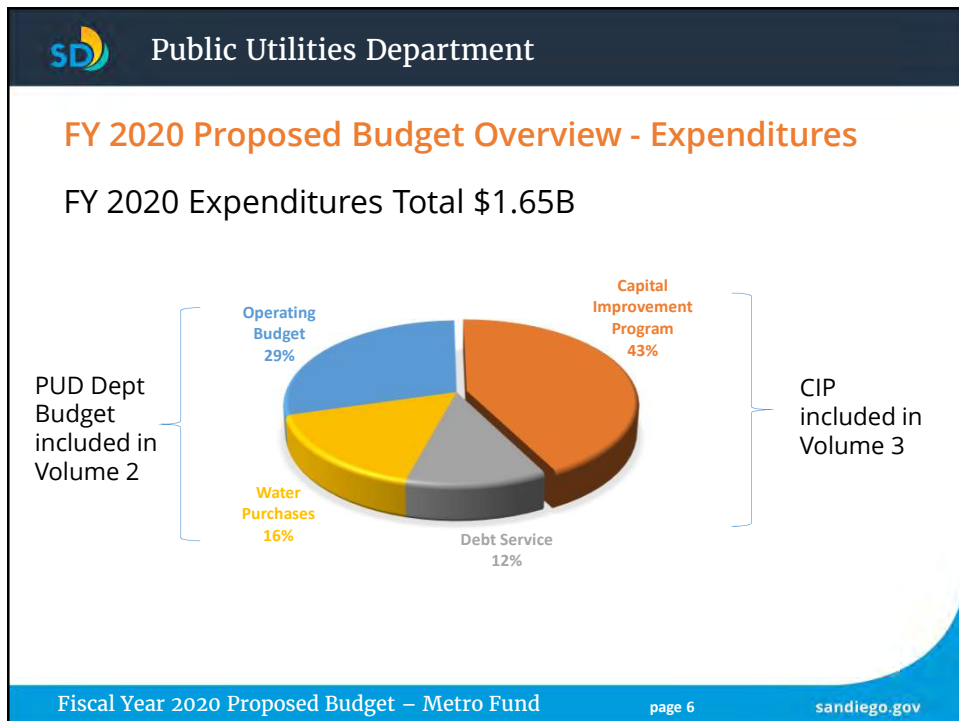
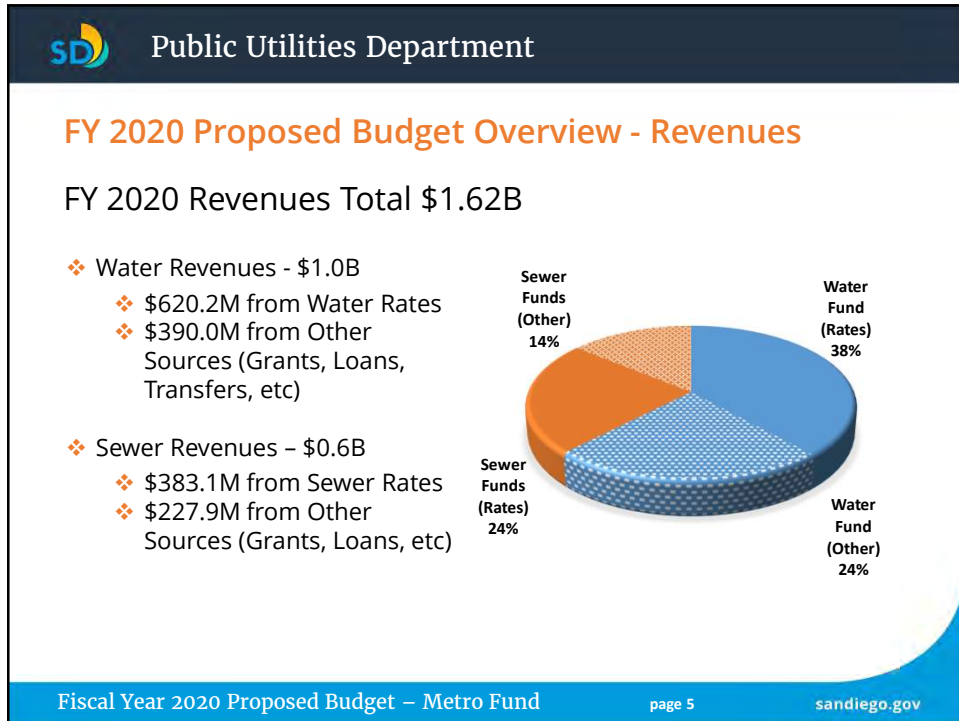
Department Highlights

- ❖ FY 2020 Budget emphasizes customer-focused, mission-driven utility, and initial implementation of the Department's reorganization
- ❖ Substantial investments in water and wastewater infrastructure
- ❖ Resources in the Proposed Budget include increased staffing and funds to begin addressing needed operations and deferred maintenance
- ❖ Budget consistent with organizational changes being rolled out at PUD to improve Department operations.
 - ❖ New Executive Assistant Director position to oversee day-to-day operations and Customer Support Division
 - ❖ Recycled Water Program reporting to Water System Operations Division
 - ❖ New Pure Water Operations Division
 - ❖ Field Services & Investigation Section reporting to Water Construction & Maintenance Division
 - ❖ Long Range Planning and Water Resources Division functions dispersed to other divisions
 - ❖ Employee Services & Quality Assurance Division, Records Management, Council Docketing Support, and Strategic Support Services reporting to Business Support Branch



Public Utilities Department







Public Utilities Department

FY 2020 Proposed Budget Overview - Expenditures

General Fund Expenditures

| Department | FY 2019 Adopted | | FY 2020 Proposed | | Change from FY 2019 Adopted to FY 2020 Proposed | |
|-----------------------------|-----------------|--------------------|------------------|--------------------|---|------------------|
| | FTE | Budget | FTE | Budget | FTE | Budget |
| Public Utilities Department | 0.00 | \$2,606,490 | 0.00 | \$2,712,536 | 0.00 | \$106,046 |
| TOTAL | 0.00 | \$2,606,490 | 0.00 | \$2,712,236 | 0.00 | \$106,046 |

Non-General Fund Expenditures

| Fund Name | FY 2019 Adopted | | FY 2020 Proposed | | Change from FY 2019 Adopted to FY 2020 Proposed | |
|---------------------------------|-----------------|----------------------|------------------|----------------------|---|---------------------|
| | FTE | Budget | FTE | Budget | FTE | Budget |
| Metropolitan Sewer Utility Fund | 473.24 | \$231,562,068 | 484.36 | \$239,416,909 | 11.12 | \$7,854,841 |
| Municipal Sewer Revenue Fund | 398.50 | 131,035,630 | 419.93 | 134,368,279 | 21.43 | 3,332,649 |
| Water Utility Operating Fund | 784.18 | 542,646,439 | 804.03 | 569,775,574 | 19.85 | 27,129,135 |
| TOTAL | 1,655.92 | \$905,244,137 | 1,708.32 | \$943,560,762 | 52.40 | \$38,316,625 |

Fiscal Year 2020 Proposed Budget – Metro Fund

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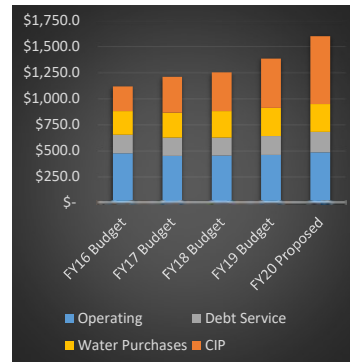
sandiego.gov



Public Utilities Department

FY 2020 Proposed Budget Overview – Expenditures
(in millions)

| | FY 2019 Adopted Budget | FY 2020 Proposed Budget | Variance | Percentage Change |
|--|------------------------------|-------------------------------|-----------------|----------------------|
| Operating | | | | |
| - Water | \$ 198.6 | \$ 212.6 | \$ 14.0 | 7% |
| - Metro | 155.6 | 165.5 | 9.9 | 6% |
| - Muni | 97.1 | 100.7 | 3.6 | 4% |
| - General Fund | 2.6 | 2.8 | 0.2 | 7% |
| Total Operating | \$ 454.0 | \$ 481.6 | \$ 27.7 | 6% |
| Capital Improvement Program (CIP) | | | | |
| - Water | \$ 262.6 | \$ 392.9 | \$ 130.4 | 50% |
| - Metro | 106.0 | 228.0 | 122.0 | 115% |
| - Muni | 107.8 | 82.3 | (25.5) | -24% |
| Total CIP | \$ 476.3 | \$ 703.2 | \$ 226.9 | 48% |
| Debt Service | | | | |
| - Water | \$ 70.6 | \$ 88.9 | \$ 18.3 | 26% |
| - Metro | 76.0 | 73.7 | (2.3) | -3% |
| - Muni | 33.9 | 33.2 | (0.8) | -2% |
| Total Debt Service | \$ 180.5 | \$ 195.8 | \$ 15.2 | 8% |
| Water Purchases | \$ 273.1 | \$ 268.8 | \$ (4.3) | -2% |
| Grand Total | \$ 1,383.9 | \$ 1,649.4 | \$ 265.5 | 19% |



Fiscal Year 2020 Proposed Budget – Metro Fund

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Public Utilities Department

FY 2020 Proposed Budget Overview - Expenditures

Operating Expenditures* increase of \$27.7M or 6%:

- Overall increase of 52.40 FTEs or 3%:

- Water Construction Maintenance- 34.00 FTEs
- Water System Operations- 25.00 FTEs
- Reorganization of Long Range Planning & Water Resources Division

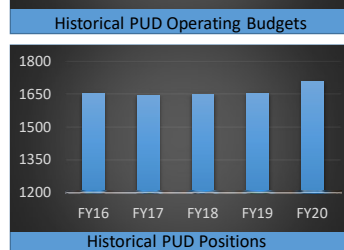
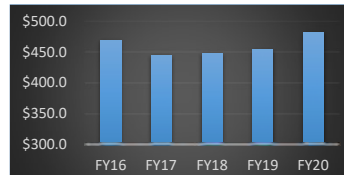
- Contractual Support \$10.1M

- Biosolids Removal- \$6M
- Facilities and Security services- \$3.4M

- Capital Purchases of \$4.7M

- Digester Cleanings- \$2.6M,
- Excavators- \$955k, Vector Trucks- \$500k

*Operating expenditures excludes debt service and water purchases.



Fiscal Year 2020 Proposed Budget – Metro Fund

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Public Utilities Department

FY 2020 Proposed Budget Overview – FTEs by Division

| Division | FY 2019 Adopted FTE | FY 2020 Proposed FTE | Change From FY 2019 Adopted Budget |
|---|---------------------|----------------------|------------------------------------|
| Customer Support | 142.56 | 160.44 | 17.88 |
| Department Management | 65.68 | 63.24 | (2.44) |
| Employee Services & Quality Assurance | 72.80 | 73.80 | 1.00 |
| Engineering & Program Management | 69.00 | 80.48 | 11.48 |
| Environmental Monitoring & Technical Services | 186.00 | 194.00 | 8.00 |
| Finance & Information Technology | 77.75 | 79.75 | 2.00 |
| Long Range Planning & Water Resources | 59.44 | - | (59.44) |
| Pure Water | 24.96 | 40.44 | 15.48 |
| Recycled Water | 27.11 | 24.00 | (3.11) |
| Wastewater Collection | 218.00 | 218.00 | - |
| Wastewater Treatment & Disposal | 259.20 | 261.75 | 2.55 |
| Water Construction Maintenance | 254.52 | 288.52 | 34.00 |
| Water System Operations | 198.90 | 223.90 | 25.00 |
| Total | 1,655.92 | 1,708.32 | 52.40 |

Fiscal Year 2020 Proposed Budget – Metro Fund

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Public Utilities Department

FY 2020 Proposed Budget Overview – Operating Budget by Division (in millions)

| Division | FY 2019 Adopted Budget | FY 2020 Proposed Budget | Variance | Percentage Change |
|---|------------------------|-------------------------|----------------|-------------------|
| Customer Support | \$ 21.4 | \$ 24.0 | \$ 2.5 | 12% |
| Department Management | 45.3 | 49.0 | 3.6 | 8% |
| Employee Services & Quality Assurance | 14.4 | 17.0 | 2.6 | 18% |
| Engineering & Program Management | 26.7 | 27.8 | 1.1 | 4% |
| Environmental Monitoring & Technical Serv | 29.4 | 32.6 | 3.2 | 11% |
| Finance & Information Technology | 40.6 | 38.7 | (1.9) | -5% |
| Long Range Planning & Water Resources* | 11.0 | 0.9 | (10.1) | -92% |
| Pure Water | 20.9 | 20.4 | (0.5) | -2% |
| Recycled Water | 5.1 | 6.0 | 0.9 | 18% |
| Wastewater Collection | 43.1 | 44.1 | 1.0 | 2% |
| Wastewater Treatment & Disposal | 94.8 | 104.3 | 9.5 | 10% |
| Water Construction Maintenance | 45.9 | 51.6 | 5.6 | 12% |
| Water System Operations | 52.6 | 62.6 | 10.0 | 19% |
| Lakes & Recreation | 2.6 | 2.8 | 0.2 | 7% |
| Grand Total | \$ 454.0 | \$ 481.6 | \$ 27.7 | 6% |

*Reflects PUD Reorganization; corrections still needed



Public Utilities Department

Significant Budget Adjustments – Department-Wide

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|--|------|--------------|----------------|
| Revised Revenue – Metro Fund Adjustment to reflect revised revenue projections related to charges to Participating Agencies and reimbursements from the State Revolving Fund loan program for the Pure Water Program. | 0.00 | \$ - | \$ 164,449,800 |
| Revised Revenue – Metro Fund Adjustment to reflect revised revenue projections related to service charges, reclaimed water rates charged to wholesale customers, potable water rates, State Revolving Fund loan reimbursements, bond proceeds and additional funding mechanisms for CIP baseline projects and Pure Water Program projects. | 0.00 | - | (2,041,500) |
| Reduction of Non-Personnel Expenditures Reduction of non-personnel expenditures based on historical budgetary savings in contractual services and capital expenditures. | 0.00 | (5,784,682) | - |
| Non-Discretionary, Personnel/Salary, and IT Adjustments Adjustment to expenditure allocations that are determined outside of the department's direct control. These allocations are generally based on prior year expenditure trends and examples of these include utilities, insurance, and rent | 0.52 | (1,560,565) | - |



Public Utilities Department

Significant Budget Adjustments – Department-Wide (continued)

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|---|--------|--------------|---------|
| Public Utilities Reorganization Personnel Additions Addition of 7.84 FTE positions to support the reorganization of water and wastewater operations within the department. | 7.84 | \$ 650,114 | \$ - |
| Public Utilities Reorganization Personnel Reductions Reduction of 5.25 FTE positions to support the reorganization of water and wastewater operations within the department. | (5.25) | (519,649) | - |
| Public Utilities Reorganization Reallocation among funds associated with moving Long Range Planning Division functions to other divisions to increase efficiency and support the reorganization of water and wastewater operations within the department. | 2.63 | 363,318 | |



Public Utilities Department

Significant Budget Adjustments – Department Management

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|---|--------|--------------|---------|
| Facilities Maintenance Support Addition of non-personnel expenditures to support building maintenance staff services. | 0.00 | \$ 134,923 | \$ - |
| Facilities Maintenance Consolidation Transfer of 2.51 FTE positions and associated non-personnel expenditures from the Public Utilities Department to the Public Works – Facilities Services Department for centralization of facilities maintenance functions. | (2.51) | (248,394) | - |
| Enterprise Asset Management System Support Addition of 0.30 Plant Process Control Supervisor and 0.90 Program Coordinators to support the Enterprise Asset Management system. | 1.20 | 135,424 | - |
| Supply Chain Warehouse Facilities Addition of both one-time and on-going non-personnel expenditures to support supply chain warehouse facilities. | 0.00 | 227,250 | - |
| Supply Chain and Inventory Expansion Support Addition of 0.60 Storekeeper 2's and associated personnel expenditures to support inventory expansion and improve procurement processes across the department. | 0.60 | 53,384 | - |



Public Utilities Department

Significant Budget Adjustments – Employee Services & Quality Assurance

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|---|------|--------------|---------|
| Associate Department Human Resources Analyst Addition of 0.90 Associate Department Human Resources Analysts in support of hiring, performance management, and Occupational Health Services (OHS). | 0.90 | \$ 83,400 | \$ - |
| Facility Upgrades and Security Services Addition of non-personnel expenditures for facility upgrades and enhanced security services at various Public Utilities Department facilities. | 0.00 | 2,123,600 | - |



Public Utilities Department

Significant Budget Adjustments – Environmental Monitoring & Technical Services

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|---|------|--------------|---------|
| Laboratory Supplies and Certification Fees Addition of non-personnel expenditures for needed laboratory supplies, equipment, facility improvements and to maintain industry required certifications to continue performing scientific and technical analyses. | 0.00 | \$ 468,346 | \$ - |
| Industrial Wastewater Control Program Positions Addition of 1.15 FTE positions to maintain industry required certifications to continue performing scientific and technical analyses. | 1.15 | 109,567 | - |
| Assistant Chemist Addition of 1.04 Assistant Chemists and associated non-personnel expenditures to provide analytical lab support for the Pure Water Program. | 1.04 | 178,980 | - |
| Joint Powers Authority Agency Contribution Addition of non-personnel expenditures for the annual Joint Powers Authority Agency contribution. | 0.00 | 54,807 | - |



Public Utilities Department

Significant Budget Adjustments – Finance & Information Technology

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|---|------|--------------|---------|
| Rate Consultant Services Addition of non-personnel expenditures for consultant services necessary to review cost of service studies and to evaluate water and wastewater rates. | 0.00 | \$ 144,367 | \$ - |



Public Utilities Department

Significant Budget Adjustments – Recycled Water

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|---|------|--------------|---------|
| Recycled Water Division Support Addition of both non-personnel expenditures and associated personnel expenditures to support the Recycled Water Division. | 0.00 | \$ 400,000 | \$ - |
| Black Mountain and Meanley Tank Facilities Addition of one-time non-personnel expenditures to repair and restart automated chlorination facilities at the Black Mountain and Meanley Tanks. | 0.00 | 300,000 | - |



Public Utilities Department

Significant Budget Adjustments – Wastewater Treatment & Disposal

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|--|------|--------------|---------|
| Waste Removal and Disposal Service Addition of non-personnel expenditures for mandatory removal of bio solid material and hazardous waste. | 0.00 | \$ 6,000,000 | \$ - |
| Digester Cleaning Addition of one-time non-personnel expenditures for digester cleaning maintenance. | 0.00 | 2,550,000 | - |
| Water Systems Pipe Replacements and Electrical Substation Repairs Addition of non-personnel expenditures for the replacement of Corroded Heated Water System/Cooling Water System and Electrical Substation repairs. | 0.00 | 750,000 | - |
| Point Loma Wastewater Treatment Plant Condition Assessment Addition of one-time non-personnel expenditures for a condition assessment at the Point Loma Wastewater Treatment Plant. | 0.00 | 500,000 | - |
| Pump Stations Maintenance and Support Addition of non-personnel expenditures for maintenance and support at Pump Station 2, South Bay Water Reclamation Plant and Grove Avenue Pump Station. | 0.00 | 400,000 | - |



Public Utilities Department

Significant Budget Adjustments – Wastewater Treatment & Disposal (continued)

| Significant Budget Adjustments | FTE | Expenditures | Revenue |
|--|------|--------------|---------|
| Wastewater Treatment and Disposal Division Support Addition of 1.00 Plant Technician 2, 1.00 Plant Technician 3 and 1.00 Instrumentation and Control Technician to support the Wastewater Treatment and Disposal Division. | 3.00 | \$ 240,652 | \$ - |
| Geosyntec Consultant Services Addition of one-time non-personnel expenditures related to Geosyntec consultant services necessary to maintain the Consent Decree with San Diego Coast Keepers. | 0.00 | 100,000 | - |

Attachment 6
Progress Update
Alternatives Study
Phase II Pure
Water

Pure Water Phase 2 Planning Update

Metro TAC

May 15, 2019

Doug Owen, Stantec
Consultant Team Manager
Pure Water Program



Acknowledgements

Roberto Yano, City of Chula Vista
Dexter Wilson, Dexter Wilson Engineering
Scott Tulloch, Consultant (NV5)
Seval Sen, Padre Dam MWD

John Helminski, City of San Diego
Amer Barhoumi , City of San Diego
Alan Langworthy , City of San Diego
Victor Occiano, Brown and Caldwell

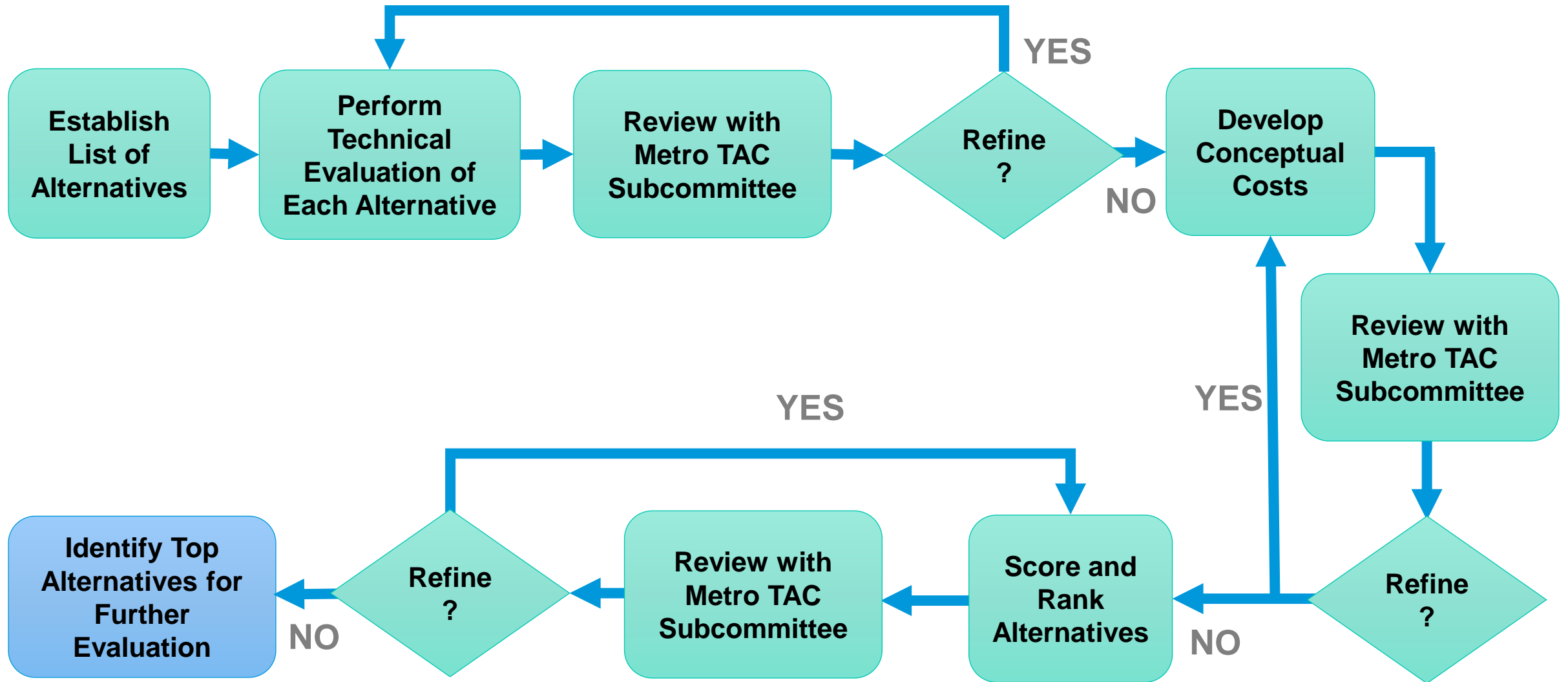


Agenda

- Work Flow Diagram
- Review of Phase 2 Alternatives
- Scoring and Ranking
- Alternatives to Further Evaluate

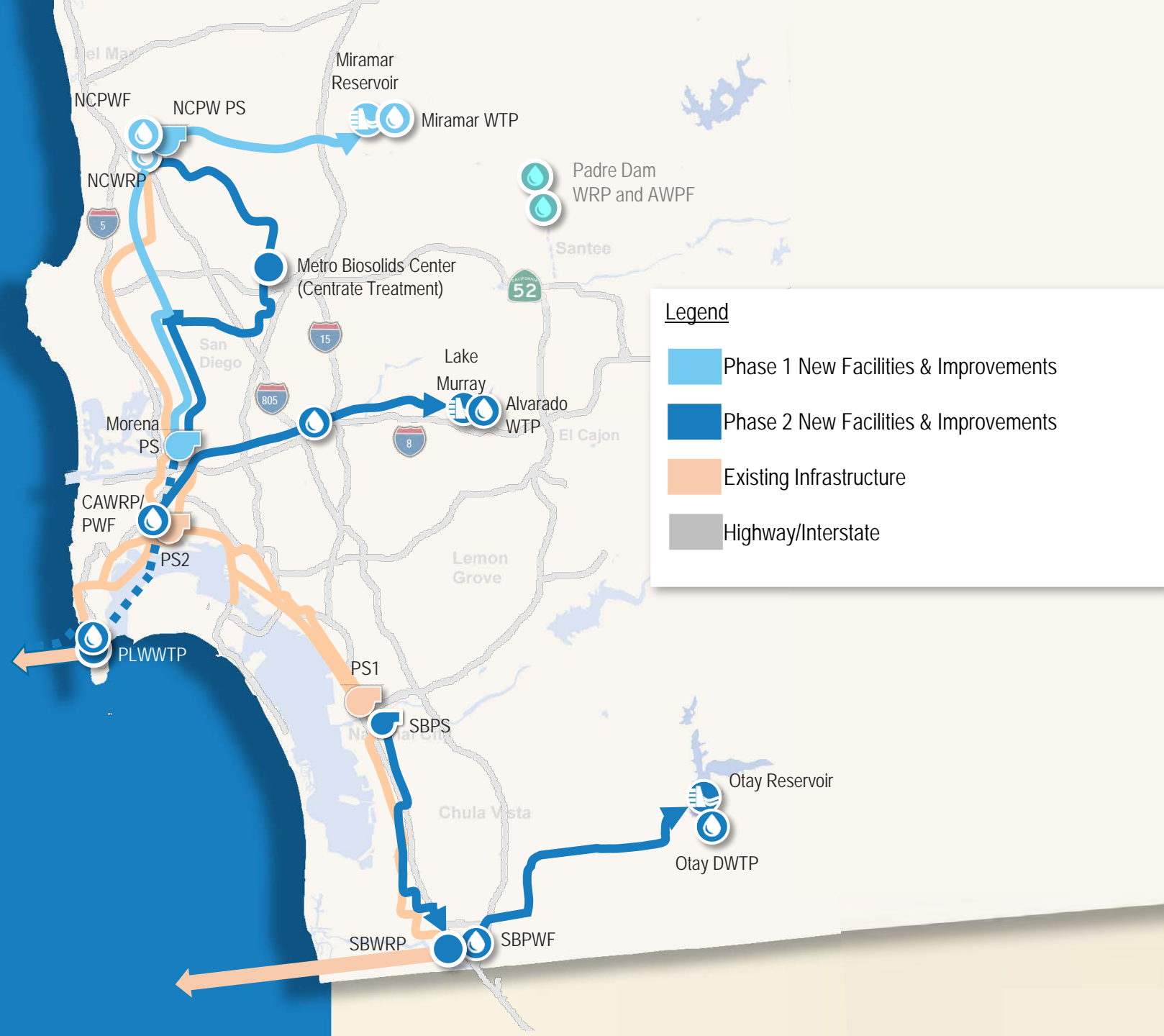


Phase 2 Alternative Analysis – Work Flow



Alternative Development includes combinations of:

- Water Reclamation Plant
 - Point Loma
 - Harbor Drive
 - South Bay
- Purified Water Facility
 - Harbor Drive
 - Mission Valley
 - South Bay
- With and Without Waiver/Secondary Equivalency
- Brine/Centrates bypass of PLWTP directly to ocean outfall
- Padre Dam 10.5 mgd ECAWP facility a part of a "regional" 83 mgd solution





Phase 2 Alternative Description

| Alternative | Description |
|--|--|
| 1 – Baseline | WRP at Harbor Drive PWF at Mission Valley for 53 mgd |
| 2 – Baseline with Brine/Centrates Bypass PLWTP | Alt 1 with treated centrate and brine to Pt. Loma outfall Full secondary at the PLWTP |
| 3 – WRP at PLWTP | WRP at PLWTP PWF at Harbor Drive for 53 mgd Treated centrate/brine to outfall |
| 4 – 53 mgd at South Bay | WRP and PWF at South Bay |
| 5 – South Bay Hybrid | WRF/PWF at South Bay for 15 mgd WRF/PWF at Harbor Drive for 28 mgd Padre Dam 10 mgd part of 83 mgd Treated centrate/brine to outfall for full secondary |
| 6 – Central Area Hybrid | WRP at Harbor Drive PWF at Mission Valley for 43 mgd Padre Dam 10 mgd part of 83 mgd Treated centrate/brine to outfall for full secondary |



Determination of Flows to PLWTP

AADF – Normal

AADF Metro Flows
- Flow to NCWRP
- Flow to RSWRF
- Flow to CAWRP
- Flow to SBWRP
+Waste Streams**

PLWTP Influent

AADF – Failure

AADF Metro Flows
- Flow to NCWRP
- Flow to RSWRF
- Flow to CAWRP
- Flow to SBWRP
+ Off-Spec from CAWRP
+Waste Streams**

PLWTP Influent

PWWF

(AADF x 2) Metro Flows
- **Flow to NCWRP***
- Flow to RSWRF
- Flow to CAWRP
- 2 x AADF Flow to SBWRP
+ Waste Streams**

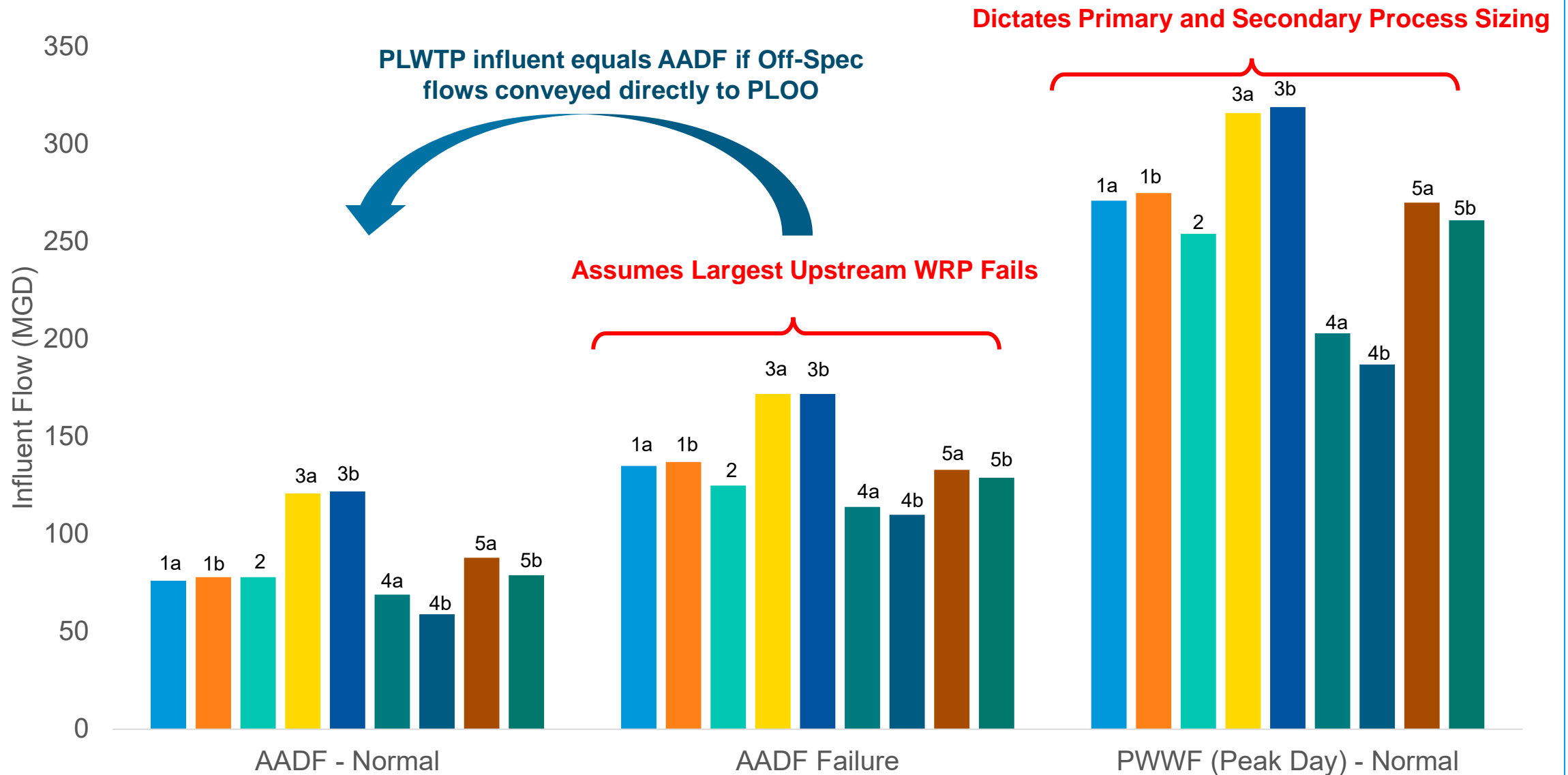
PLWTP Influent

* Reduced influent to produce 1.4 mgd NPR and 34 mgd Purified Water

** No waste streams from upstream plants if bypass pipeline to PLOO exists. Internal recycle included when sizing process facilities.

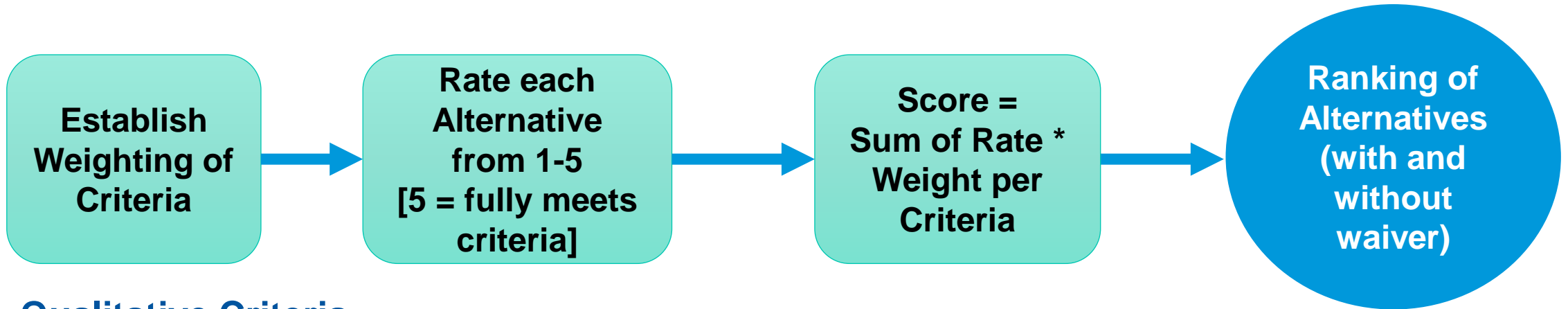


Influent Flows to PLWTP





Scoring and Ranking of Alternatives



Qualitative Criteria

- Health and Safety
- Social Value
- Environmental Value
- Property and Easement Acquisition
- System Complexity
- System Efficiency
- Operational Reliability and Flexibility
- Ability to Implement
- [Cost*]

| Number | Criteria | Objective | Assigned Weight (Total = 100) | Alternatives Score (with Waiver) | | | | Alternatives Score (without Waiver) | | | | |
|---------|---|--|----------------------------------|----------------------------------|--------|--------|--------|-------------------------------------|--------|--------|--------|--------|
| | | | | 1A | 3A | 5A | 6A | 1B | 2 | 3B | 5B | 6B |
| | | | | Rating | Rating | Rating | Rating | Rating | Rating | Rating | Rating | Rating |
| 1 | Health and Safety | To protect human health and safety through proper treatment of wastewater prior to discharge and reduced exposure to untreated or partially treated wastewater | 5 | 2 | 3 | 1 | 2 | 2 | 2 | 3 | 1 | 2 |
| 2 | Social Value | To provide balanced distribution of purified water | 5 | 4 | 4 | 5 | 4 | 4 | 4 | 4 | 5 | 4 |
| 3 | Environmental Value | To comply with the City's Climate Action Plan, minimize greenhouse gas emissions, and enhance, create or improve local habitat or ecosystems | 5 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | 2 | 3 |
| 4 | Property and Easement Acquisition | To minimize the need for property and easement acquisition | 5 | 5 | 4 | 3 | 5 | 5 | 4 | 4 | 2 | 4 |
| 5 | System Complexity | To provide an operator friendly system | 15 | 4 | 2 | 4 | 4 | 3 | 2 | 2 | 2 | 2 |
| 6 | System Efficiency | To minimize the use of constructed facilities and minimize as stranded assets | 10 | 4 | 4 | 1 | 4 | 4 | 4 | 4 | 1 | 4 |
| 7 | Operational Reliability and Flexibility | To maximize ability of facilities to perform and comply with regulatory standards under a range of future conditions | 20 | 3 | 3 | 4 | 3 | 4 | 4 | 4 | 5 | 4 |
| 8 | Cost | To minimize total Capital Cost to the community (EXCLUDES Capital Cost of East County Project) | 20 | 4 | 2 | 4 | 5 | 3 | 2 | 2 | 2 | 2 |
| 9 | Ability to Implement | To optimize political and public acceptability, minimize disruption to the community | 15 | 4 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 3 |
| TOTAL | | | 100 | 381 | 296 | 327 | 395 | 346 | 303 | 309 | 259 | 304 |
| RANKING | | | | 2 | 4 | 3 | 1 | 1 | 4 | 2 | 5 | 3 |

Note: Rating: 1 – Minimally Meets Objective; 5 – Completely Meets Objective
Total Score = Σ(Rating x Criteria)

* Ranking performed with and without cost to compare

DRAFT: NOT FOR DISTRIBUTION



Alternative Ranking

| Alternative | Description | With Waiver | Full Secondary |
|---|--|-------------|----------------|
| 1 – Baseline | WRP at Harbor Drive PWF at Mission Valley for 53 mgd | 2 / 1* | 1 / 1 |
| 2 – Baseline with Brine/ Centrate Bypass PLWTP | Alt 1 with treated centrate and brine to Pt. Loma outfall Full secondary at the PLWTP | N/A | 4 / 4 |
| 3 – WRP at PLWTP | WRP at PLWTP PWF at Harbor Drive for 53 mgd Treated centrate/brine to outfall | 4 / 4 | 2 / 2 |
| 4 – 53 mgd at South Bay | WRP and PWF at South Bay | N/A | N/A |
| 5 – South Bay Hybrid | WRF/PWF at South Bay for 15 mgd WRF/PWF at Harbor Drive for 28 mgd Padre Dam 10 mgd part of 83 mgd Treated centrate/brine to outfall for full secondary (B) | 3 / 3 | 5 / 5 |
| 6 – Central Area Hybrid | WRP at Harbor Drive PWF at Mission Valley for 43 mgd Padre Dam 10 mgd part of 83 mgd Treated centrate/brine to outfall for full secondary (B) | 1 / 1 | 3 / 4 |
| * First score includes cost in ranking, second score excludes cost in ranking | | | |



Alternative Ranking

| Alternative | Description | With Waiver | Full Secondary |
|--|--|--------------|----------------|
| 1 – Baseline | WRP at Harbor Drive PWF at Mission Valley for 53 mgd | 2 / 1 | 1 / 1 |
| 2 – Baseline with Brine/ Centrate Bypass PLWTP | Alt 1 with treated centrate and brine to Pt. Loma outfall Full secondary at the PLWTP | 5 / 5 | 3 / 4 |
| 3 – WRP at PLWTP | WRP at PLWTP PWF at Harbor Drive for 53 mgd Treated centrate/brine to outfall | 4 / 4 | 2 / 2 |
| 4 – 53 mgd at South Bay | WRP and PWF at South Bay | N/A | N/A |
| 5 – South Bay Hybrid | WRF/PWF at South Bay for 15 mgd WRF/PWF at Harbor Drive for 28 mgd Padre Dam 10 mgd part of 83 mgd Treated centrate/brine to outfall for full secondary (B) | 3 / 3 | 5 / 5 |
| 6 – Central Area Hybrid | WRP at Harbor Drive PWF at Mission Valley for 43 mgd Padre Dam 10 mgd part of 83 mgd Treated centrate/brine to outfall for full secondary (B) | 1 / 1 | 3 / 4 |



Options for Each Alternative for Further Study

- With Secondary Equivalency (permanent waiver) or without
- Bypassing brine/centrate in a dedicated pipeline directly to the outfall
- Including or excluding the Padre Dam EAWP facility as a part of a “regional” 83 mgd purified water program



Alternatives for Further Evaluation

| Alternative | Designation | Waiver / Secondary Equivalency | | Brine / Treated Centrate Bypass to PLOO | | Phase 2 Purified Water Production (mgd) | |
|-------------|-------------|--------------------------------|----|---|----|---|----|
| | | Yes | No | Yes | No | 53 | 43 |
| 1 | A (1) | X | | | X | X | |
| | B (2) | | X | | X | X | |
| | C | X | | X | | X | |
| | D | | X | X | | X | |
| | E | X | | | X | | X |
| | F | | X | | X | | X |
| | G (3) | X | | X | | | X |
| | H (4) | | X | X | | | X |
| 3 | A (5) | X | | X | | X | |
| | B (6) | | X | X | | X | |
| | C | X | | X | | | X |
| | D | | X | X | | | X |
| | | | | | | | |

Notes:

1. Alternative 1A in this study
2. Alternative 1B in this study
3. Alternative 6A in this study
4. Alternative 6B in this study
5. Alternative 3A in this study
6. Alternative 3B in this study



Conceptual Phase 2 Milestones ⁽¹⁾

| Milestone | Phase 2 |
|--|---|
| Phase 2 validation of preferred alternatives | June 2019 – February 2020 |
| Demonstration testing | October 2019 (design/construction) - 2026 |
| 10% Design | July 2023 – July 2024 |
| Environmental Permitting | July 2024 – July 2029 |
| 30% Design | January 2025 – January 2026 |
| Final Design | 2027-2029 |
| Construction | 2029 – 2033 ⁽²⁾ |

1. To be updated during the alternative validation
2. 2035 deadline for Pure Water production

Questions?

Attachment 7
Contract for
MBC Cooling
Systems System
Chillers Upgrades
(Forthcoming)

METRO JPA/TAC
Staff Report
Date: May 15, 2019

Project Title:

MBC Cooling Water System Chiller Upgrade

Requested Action:

Recommendation from the Metro Commission to approve the project and moving it forward to City Mayoral Action for approval.

Recommendations:

Recommendation to the Metro Commission to award for construction contract

| | |
|---|--|
| Metro TAC: | To be submitted for consideration |
| IROC: | N/A- This project is included in the approved Metro CIP budget and does not require IROC review. |
| Prior Actions: (Committee/Commission, Date, Result) | None |

Fiscal Impact:

| | |
|--------------------------------------|---|
| Is this projected budgeted? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Cost breakdown between Metro & Muni: | 100% Metro |
| Fiscal impact to the Metro JPA: | 33.5% of \$4,000,000.00 = \$1,340,000.00 |

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:

Pending approval of this Technical Advisory Committee present it to the Metropolitan Wastewater Joint Powers Authority (JPA) Commission. Route Mayoral action with the City of San Diego to award for construction contract

City Council Action:

Not required

Background:

The Metro Biosolids Center (MBC), a regional biosolids processing facility located adjacent to the City's Miramar Landfill in Kearny Mesa. The cooling system provides ambient environment cooling throughout the facility. The chillers, pumps, valves, and supporting equipment have been in service for over 20 years and are nearing the end of their useful life.

Discussion:

This project proposes to replace the two existing 370-ton chillers with three new 250-ton units, the existing water pumps, all of the existing valves and valve actuators, variable frequency drives and the process control system. This project also includes the modification and expansion of the existing chilled water system enclosure to accommodate the new equipment and all necessary piping, mechanical, electrical, instrumentation and controls. The new system will reduce maintenance and operational costs by meeting current energy efficiency standards

Bid Results: (9)

TechCom International, Corp. \$2,915,726.83, Wier Construction Corp \$3,099,737.06, Stanek Constructors, Inc. \$3,112,000.00, SCW Contracting Corporation \$3,161,000.00, Duwright Construction Inc. \$3,176,144.00, HPS Mechanical, Inc. \$3,221,500.00, Shimmick Construction Company, Inc. \$3,326,600.00, Ahrens Mechanical \$3,491,700.00, and West Coast General Corporation \$4,141,998.00

MBC Cooling Water System Chiller Upgrade Budget

Actual Costs (5/9/19)

| | |
|---|----------------------|
| Planning and Administration | \$ 268,051.11 |
| Consultant (Infrastructure Engineering Corp.) | <u>\$ 335,876.61</u> |
| Total Actual Projected Costs | \$ 603,927.72 |

Projected Costs

| | |
|---|-----------------------|
| Construction | \$2,915,726.83 |
| Consultant Support and Closeout | \$ 77,730.39 |
| Construction Administration & Contingency | <u>\$ 400,000.00</u> |
| Total Projected Costs | \$3,393,457.22 |

Total Actual and Projected Costs \$4.0 M (37% Soft Cost)

Schedule

Construction

| | |
|----------------------|-----------|
| NTP for Construction | June 2019 |
| NOC | July 2020 |

Project Closeout

| | |
|----------|---------------|
| Closeout | February 2021 |
|----------|---------------|

Attachment 8
Contract for
SBWRP UV
System
Replacement

METRO JPA/TAC
Staff Report
Date: May 15, 2019

Project Title:

SBWRP Ultraviolet Disinfection (UV) System Replacement

Requested Action:

Recommendation to the Metro Commission to award for construction contract

Recommendations:

Approve the construction award contract and forward the recommendation to the Metro Commission

Metro TAC:

To be submitted for consideration

IROC:

N/A- This project is included in the approved Metro CIP budget and does not require IROC review.

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

None

Fiscal Impact:

Is this projected budgeted? Yes x No

Cost breakdown between
Metro & Muni: 100% Metro

Fiscal impact to the Metro
JPA: 33.5% of \$4,600,000.00 = \$1,541,000.00

Capital Improvement Program:

New Project? Yes X No N/A

Existing Project? Yes No X Upgrade/addition Change

Previous TAC/JPA Action:

None

Additional/Future Action:

Pending approval of this Technical Advisory Committee present it to the Metropolitan Wastewater Joint Powers Authority (JPA) Commission. Route Mayoral action with the City of San Diego

City Council Action:

Not required

Background:

The South Bay Water Reclamation Plant (SBWRP) is located on Dairy Mart Road and Monument Road in the eastern portion of the Tijuana River Valley. The plant is designed to treat up to 15 MGD of raw wastewater to secondary and/or tertiary reclaimed water standards. The existing UV System, which has been in service since 2004, provides disinfection before reclaimed water is put into distribution. It has been determined by the City the existing system has exceeded its useful life and does not meet current energy standards.

Discussion:

This project proposes to replace the existing UV disinfection system with a more technologically advanced system. The concrete channel will be modified to accommodate the new UV system. Trenching will be performed for new electrical and controls conduits serving the UV system. The treatment plant's control system will be programmed to interface with the new UV system. Validation tests will be performed for state permits. The new system will reduce maintenance and operational costs by meeting current energy efficiency standards.

Bid Results: (7)

J.R. Filanc Construction Company \$3,391,636.00, HPS Mechanical \$3,413,135.55, Tharsos Inc. \$3,430,000.00, SCW Contracting Company \$3,614,000.00, Wier Construction Company \$ 4,144,998.00, Houalla Enterprise Ltd.\$4,148,488.00, and Ahrens Mechanical \$4,396, 000.00

SBWRP Ultraviolet Disinfection (UV) System Replacement

Budget

Actual Costs (5/9/19)

| | |
|-------------------------------------|----------------------|
| Planning and Administration | \$ 181,512.15 |
| Consultant (LEE & RO, Inc.) | <u>\$ 268,905.87</u> |
| Total Actual Projected Costs | \$450,418.02 |

Projected Costs

| | |
|---|-----------------------|
| Construction | \$3,391,636.00 |
| Consultant Support and Closeout | \$ 107,822.13 |
| Construction Administration & Contingency | <u>\$ 650,000.00</u> |
| Total Projected Costs | \$4,149,458.13 |

Total Actual and Projected Costs \$4.6 M (35% Soft Cost)

Schedule

Construction

| | |
|----------------------|-----------|
| NTP for Construction | June 2019 |
| NOC | July 2020 |

Project Closeout

| | |
|----------|---------------|
| Closeout | February 2021 |
|----------|---------------|

From: Helminski, John

Sent: Wednesday, May 22, 2019 4:48 PM

To: Roberto Yano; Dexter Wilson (Dexter@dwilsoneng.com); Walter Tulloch (wstulloch@gmail.com)

Cc: Phung, Tung; Rashid, Surraya; Cetin, Elif

Subject: Response to UV system questions at Metro TAC

Roberto, Dexter and Scott,

Here are the responses to MetroTAC questions for the SBWRP UV Replacement project.

- Mr. Hashemian from La Mesa inquired about the EOCP determination on the lowest responsive bidder selection. [EOCP has completed their review and determined the lowest bidder \(J.R. Filanc Construction\) as responsive. The construction contract will be awarded to J.R. Filanc in the amount of \\$3,391,636, which is below the engineer's estimate of \\$3,660,000.](#)
- Mr. Beppler from Otay Water District inquired as to the regulatory requirements for South Bay Water Reclamation Plant? [To meet the modified permit requirement of 45 mgd reclaimed capacity; 30 mgd at North City WRP and 15 mgd at South Bay WRP. The City of San Diego is required to maintain a system capacity of 45 MGD as required by the Clean Water Program Consent Decree.](#)
- Mr. Beppler from Otay Water District inquired as to whether a smaller UV system can be installed at the South Bay Water Reclamation plant? [Failure to maintain 45 mgd could jeopardize current and future waivers.](#)

[Please let me know if you need any additional information and whether or not the item will move forward to the Metro JPA.](#)

John J. Helminski

Assistant Director

City of San Diego

Public Utilities Department

T: 858-292-6402

sandiego.gov



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Attachment 9

Amdt. 2

Hawkins

Delafield &

Wood LLP (legal
services) North
City Renewable
Energy Project

METRO JPA/TAC**Staff Report**

Date: 5/15/2019

Project Title: North City Renewable Energy Project, Miramar Landfill Gas and Power Generation Facilities and Services.**Requested Action:**

Request to forward Amendment No. 2 to the Sole Source Agreement between the City of San Diego and Hawkins Delafield and Wood LLP to the Metro JPA/ Metro Commission. Amendment No. 2 is for a total not to exceed \$1,159,000 which will be utilized for legal services.

Recommendations:

Approve the contract request

| | |
|---|--|
| Metro TAC: | Forward the subject item to Metro JPA/ Metro Commission. |
| IROC: | N/A |
| Prior Actions: (Committee/Commission, Date, Result) | N/A |

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 allocated as follows: Water: 76% (\$880,840), Wastewater: 24% (\$278,160) (Metro: 100%, Muni: 0%). The total contract amount is \$1,159,000. |
| Fiscal impact to the Metro JPA: | 33.5% of Metro cost (approximately \$93,183.60) |

Capital Improvement Program:

| | |
|-------------------|---|
| New Project? | Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" 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 JPA/ Metro Commission on June 6, 2019.

City Council Action:

City Council approval is anticipated on 10/1/2019.

Background: *Provide background information on the need for the project*

The City will be able to produce the power needed for the Pure Water North City (NC) treatment facilities by generating renewable energy captured from landfill gas. The North City Renewable Energy Project will help meet the Climate Action Plan targets for reducing Greenhouse Gas Emissions by capturing landfill methane gas fugitive emissions for energy production, reducing carbon gas emissions, and generating renewable energy.

The City currently has generation facilities at MBC (6.4 Megawatts (MW) for City and 3.2 MW for MCASM) and the NCWRP (3.8 MW NCCF and 1.6 MW NCEP). The 3.8 MW NCCF generating equipment at NCWRP was transferred to the City on January 1, 2019 with the associated committed landfill gas (LFG) rights. The generating equipment privately owned by Fortistar at MBC will remain in operation under the existing agreements through 2026 with the

associated committed LFG rights. Uncommitted landfill gas (LFG) rights reverted to City Environmental Services Department (ESD) on January 1, 2019. Fuel for the existing cogeneration facilities at MBC is supplemented with digester biogas and waste heat is captured for use by plant facilities.

Due to the specialized nature of the project scope, magnitude, complexity of the Public-Private Partnerships; RFQ/RFP development, proposal evaluation, service agreement preparation, contract negotiation and post-contract execution, the City Attorney's Office deemed special counsel necessary for the remaining contract duration.

In accordance with SDMC §22.3016, the sole source award of an agreement for legal services between the City of San Diego (City) and Hawkins Delafield and Wood (HDW) was necessary to provide specialized legal services for the North City Renewable Energy Project, Miramar Landfill Gas and Power Generation Facilities and Services Project. Mayoral Action approved the Original Sole Source Agreement Certification #3539 for Legal Services with Hawkins Delafield and Wood on July 14, 2015 Document No. C-16646 for a duration of five (5) years for a total not to exceed amount of \$250,000. The sole source agreement amendment MOD-3539 executed on August 4, 2016 allowed for two contract amendments not to exceed \$2,501,000. The first contract amendment was executed on December 15, 2016 to increase amount by \$990,000 to develop the RFSQ and draft service agreement. This second contract amendment will include RFP proposal evaluation, contract negotiation, finalization of service agreement and post contract execution not to exceed \$1,159,000 and extend contract for an additional 5-year duration, for an amended total contract value of \$2,399,000. This item was heard at the Environment Committee on September 12, 2019 and forwarded to the full Council with a recommendation to adopt the ordinance.

Discussion: *Provide information on decisions made to advance the project*

Discussion:

The project will provide considerable reduction in Greenhouse Gas (GHG), by capturing fugitive emissions from the landfill, to meet the City's Climate Action Plan target to reduce carbon gas emissions. The City will be able to produce renewable energy by utilizing landfill gas (LFG) to generate electricity that supports the expansion of the North City Water Reclamation Plant (NCWRP), the North City Pure Water Facility (NCPWF) while providing significant cost savings to the City. In addition, the City and the U.S. Navy and Marine Corps wish to develop further generation capacity from landfill gas. Additionally, the project will include the management and operation of the existing LFG collection system.

The project will be developed using a Design/Build/Finance/Operate/Maintain (DBFOM) delivery method for the management, operation and expansion of the Miramar Landfill Gas Collection System; and construction and operation of a generation facility to generate up to 20MW of power utilizing landfill gas; The work sought by this retainer will yield a privately financed project that will result in avoided capital expenditures of an estimated \$150 million to \$200 million.

The DBFOM delivery method creates one point of responsibility for multiple services; transfers design risks; and assume construction, operation and maintenance responsibilities for the project. This method also provide cost savings with performance guarantees and shorter project schedule. The project is a 20-year Public-Private Partnership (P3) that will allow for private financing. The DBFOM scope of work for the private party will include:

- installation of generators at NCWRP and MBC for power production
- installation of a landfill gas compressor station and pipeline
- operations and maintenance of existing landfill gas collection system
- securing project permitting; including Building Permits and Air Pollution Control District permits

-The Public Utilities Department, in conjunction with the City Attorney's Office and the Environmental Services Department have issued a Request For Statement of Qualification (RFSQ) to solicit qualified DBFOM entities in February 8, 2018 and shortlisted the 3 most highly qualified respondents. PUD is in the process of preparing a Request For Proposal (RFP) to demonstrate the qualified DBFOM entities' design, construction, financial, operational and maintenance capabilities for successful delivery of the project.

Due to the specialized nature of the project scope with multifaceted elements, magnitude, intricate legal and financial complexities of the Public-Private Partnerships; RFSQ/RFP development, proposal evaluation, service agreement preparation, contract negotiation and post-contract execution, the City Attorney's Office deemed special counsel necessary for the remaining contract duration. Hawkins Delafield and Wood (HDW) possesses an in-depth legal and economic understanding necessary for developing terms and conditions associated with complex 20-year services agreement, facilitation of Public-Private Partnerships (P3), which includes DBFOM delivery method for publicly owned facilities with private financing for the purpose of operating and maintaining an existing landfill collection system at Miramar Landfill; and construction and operation of a generation facility to generate up to 20 MW of power utilizing landfill gas at the North City Water Reclamation Plant.

HDW will provide similar services to the City that it had provided in the negotiation and drafting of the original privatization agreement with NEO San Diego LLC (NEO SD), and Minnesota Methane San Diego LLC (MMSD) for the Miramar landfill gas collection system, and for the MBC and North City Cogeneration facilities. The privatization agreement, originally entered into in 1995 yielded the ratepayers savings of over \$60 million in audited costs. Additionally, HDW has assisted the City in negotiating the 2011 agreement amendment with Fortistar for the expansion of the landfill gas collection system to support development of a new 3.2 MW

cogeneration facility for MCAS Miramar (through the Miramar Energy LLC). The term of the cogeneration agreement with Miramar Energy LLC runs through calendar year 2026.

Amendment No.2 is requested to increase the contract by \$1,159,000 for a total not to exceed amount of \$2,399,000. The additional funding will allow the City to continue to access the specialized legal services to support the North City Renewable Energy Project, Miramar Landfill Gas and Power Generation Facilities and Services.

Project Schedule: The table below presents the anticipated schedule.

| Activity | Date |
|-----------------------------|----------|
| Metro JPA/ Metro Commission | 6/6/2019 |

Bid Results: *If bidding was done provide bidding format and results*
N/A

Attachment 10

Amdt. 3

Stantec, Inc. for
Pure Water San
Diego Program

METRO JPA/TAC
Staff Report
Date: May 7, 2019

Project Title:

Pure Water – Amendment No. 3 to the As-Needed Engineering Technical Services Consultant agreement with Stantec, Inc. (formerly Montgomery Watson Harza Americas, Inc.), for the Pure Water San Diego Program; H156303

Requested Action:

Approve Amendment No. 3 to the As-Needed Engineering Technical Services Consultant agreement with Stantec, Inc. and forward item to Metro JPA/ Metro Commission for approval. Amendment No. 3 is for a total not to exceed amount of \$37,700,000, which will be utilized to support continuation of Phase 1 technical studies and support, Phase 2 planning technical studies, demonstration of purified water facility construction and operations support and continued program management and outreach support.

Recommendations:

Approve Amendment No. 3 to the agreement

| | |
|---|--|
| Metro TAC: | Approve the subject item and forward to Metro JPA/ Metro Commission for approval |
| IROC: | N/A |
| Prior Actions: (Committee/Commission, Date, Result) | N/A |

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 allocated as follows: Water: 61% (approximately \$22,997,000), Wastewater: 39% (approximately \$14,703,000) (Metro: 100%, Muni: 0%). |
| Fiscal impact to the Metro JPA: | 33.5% of Metro cost (approximately \$4,925,505) |

Capital Improvement Program:

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

Previous TAC/JPA Action:

None.

Additional/Future Action:

Present item to Metro JPA/ Metro Commission for approval in June 2019.

City Council Action:

City Council approval is anticipated in October 2019.

Background: *Provide background information on the need for the project*

The City entered this agreement for As-Needed Engineering Technical Services with Stantec, Inc., in January 2015. With Stantec's support, the Public Utilities Department has been able to advance Pure Water Phase 1 to the final stages of design and began advertising construction at the end of 2018. Amendment No. 1 increased the contract total not-to-exceed amount to \$46,400,000 and was

instrumental in accelerating the Phase 1 schedule and in obtaining regulatory support of delivering the water to the Miramar Reservoir. Amendment No. 2 increased the contract total not-to-exceed amount to \$56,400,000 and was needed to complete additional engineering and technical studies for Phase 1, develop an owner-controlled insurance program for all of Phase 1 construction, and to initiate master planning of Pure Water Phase 2.

The Public Utilities Department would like to retain Stantec through the completion of Phase 1 construction, commissioning, and initial startup of Phase 1 facilities to ramp-up the purified water release to Miramar Reservoir. Therefore, Amendment No. 3 is proposed to extend Stantec's agreement for 5 years, through January 5, 2025, and to increase the contract by \$37,700,000, bringing the contract total not-to-exceed amount to \$94,100,000. Stantec has provided support in the following aspects of Pure Water: program management, preliminary design, treatment studies, technical studies and support, reservoir modeling, and regulatory tasks.

For Phase 2 of the Pure Water Program, the Program Management services contract (As-Needed Engineering Technical Services) will be competitively bid.

Discussion: *Provide information on decisions made to advance the project*

The Public Utilities Department utilizes the As-Needed Engineering Technical Services agreement with Stantec, Inc. for specialized technical services to support the Pure Water Program implementation. The services generally relate to planning, design, engineering, regulatory, and program management support. The original agreement was approved by City Council on December 9, 2014, via Resolution No. R-309350. The agreement was issued on January 8, 2015, for an amount not to exceed \$30,000,000, for a term of five (5) years. Amendment No. 1 was approved by City Council on October 25, 2016 and increased the contract amount to \$46,400,000. The amendment supported acceleration of the North City Pure Water Phase 1 Project schedule, proving the technical and regulatory feasibility of delivering the Phase 1 purified water to Miramar Reservoir (versus San Vicente Reservoir), and preliminary design of the North City Renewable Energy Project. Amendment No. 2 was approved by City Council on February 12, 2019 and increased the contract amount to \$56,400,000. The amendment supported services for the development of an owner-controlled insurance program, testing of high-purity oxygen, Pure Water Phase 2 Planning and Demonstration design and continued program management, technical, and outreach services.

Phase 1 construction is scheduled to complete in 2022 and purified water deliveries to Miramar Reservoir will begin in late 2023. The Public Utilities Department is requesting to extend the agreement with Stantec, Inc. by 5 years (through the completion of Phase 1) and increase the contract amount by \$37,700,000, bringing the total contract amount to \$94,100,000.

The proposed Amendment No. 3 is needed for the following:

- Continuation of Phase 1 – North City Technical Studies and Support, including operations optimization support
- Phase 2 Planning Technical Studies including design and implementation support of the Demonstration Purified Water Facility Construction.
- Continued Program Management and Outreach Support

Phase 1 – North City Technical Studies and Support. There are multiple Phase 1 technical studies that need to be completed to help lay the groundwork for the successful construction and operation of Phase 1 – North City. These studies include but are not limited to:

- Local Limits Evaluation
- Additional Miramar Modeling Studies
- Phase 1 Operations and Treatment Optimization Support
- Project Interface Design Analysis

- Pre-commissioning Requirements Coordination
- Drinking Water Treatment Plant (WTP) Residuals
- **Ongoing Phase 1 Support.** There are multiple efforts that are currently ongoing that will extend into the next 5 years of the agreement, such as:
 - Industrial Wastewater Control Program (IWCP) support
 - Owner-Controlled Insurance Program (OCIP) Implementation Support
 - North City Renewable Energy Project Design Build Finance Operate Maintain (DBFOM) Technical Support
 - High Purity Oxygen (HPO) System Support

Phase 2 Planning Technical Studies. Amendment No. 2 of Stantec’s contract included the validation of Phase 2 alternatives. Additional Phase 2 Technical Studies are included in Amendment No. 3 and are needed to supplement planning efforts for Phase 2 of the Pure Water Program. It is anticipated that these studies will include evaluating innovative technologies that may be available for Phase 2, assessing the impacts of Phase 2 biosolids handling at the Metro Biosolids Center, assessing impacts of reverse osmosis (RO) brine and biosolids at the Point Loma Wastewater Treatment Plant, options for Phase 2 purified water conveyance, and analyzing appropriate delivery approaches for Phase 2 projects.

Phase 2 as-needed program delivery support will be competitively selected and is not a part of this Amendment No. 3.

Demonstration Purified Water Facility Construction and Operations Support. After design of the Phase 2 Demonstration Facility is complete, Stantec will support the Demonstration Facility construction and operations. Demonstration testing and operation will mirror the work that was done to confirm the Phase 1 North City Project’s feasibility for delivering purified water to Miramar Reservoir. Phase 2 efforts must be initiated now to meet the overall goal of full Pure Water implementation by 2035.

Continued Program Management and Outreach Support. Stantec will continue to provide support to the City for critical regulatory milestones, including the development and submittal of the Phase 1 Operations Plan to regulators. Monthly cash flow projections and reporting requirements across all the Phase 1 construction packages for various loan and bond covenants also will be prepared for the duration of construction through the implementation of PMWeb, a construction management information system. Finally, the Stantec team will continue to provide critical working group support and other outreach activities required to maintain program momentum and enhance communications with stakeholders.

Bid Results: *If bidding was done provide bidding format and results*
N/A

Public Utilities Department

Pure Water – Stantec Consulting, Contract Amendment

Metro Technical Advisory Committee

May 15, 2019





Stantec Contract: Terms and Scope

Terms

- Initiated January 2015
- Original authorization: \$30M
- Amended in December 2016: \$16.4M
- Amended in February 2019: \$10M
- Proposed Total Contract Amount with Amendment 3: \$94.1M

Scope

- Pure Program Administration and Controls
- Planning and Engineering Support
- Design Support
- Environmental Consultant Coordination
- Permitting and Regulatory Support
- Public Education and Stakeholder Engagement



Stantec Contract: Recent Accomplishments

- Submitted final Title 22 Engineering report
- Submitted 100% design for the High Purity Oxygen (HPO) System for review by DSD
- Completed pilot study to examine the impact of Pure Water on Miramar WTP
- Finished pipe loop testing to determine impacts of Pure Water on the City's water distribution system
- Finalized and bound the Owner Controlled Insurance Program (OCIP) contract
- Performed high-level alternatives assessment for Phase 2 Facilities



Current Stantec Contract: Ongoing Work

- Program management and outreach services
- PMWeb implementation support
- OCIP administration support
- NPDES permitting regulatory support
- Miramar Reservoir modeling
- North City Renewable Energy Project
 - *RFP Support*
 - *Energy Economic Model*
- IWCP support





Current Subconsultant Status

Subconsultant Participation

- Stantec Contract Actual Participation*
 - *Total E/SLBE Participation = 22.8%*
 - *Total Certified Participation = 27.3%*
- Stantec Amendment Projections
 - *E/SLBE Participation = 22.6%*
 - *Certified Participation = 30.6%*

Small Business Outreach

- Supported Creation of 2 New ELBE Firms on our Team
- Held Two Small Business Outreach Events for Pure Water in 2016
 - *City of San Diego Logan Heights Library*
 - *City Metropolitan Operations Center*
- Supported 2018 Contractor Expo

*Data as of 04/24/2019



Photo by MrGALL

Stantec Contract: Proposed Amendment

- Extends contract for 5 years and increases contract value by \$37.7 million
- Supports Phase 1 activities, such as:
 - Ongoing Phase 1 Program Controls and Outreach Support
 - Project Interface Design Analysis
 - Pre-commissioning Requirements Coordination
 - Phase 1 Operations and Treatment Optimization Support
 - Local Limits Evaluation
 - Additional Miramar Modeling Studies
 - Drinking WTP Residuals Study



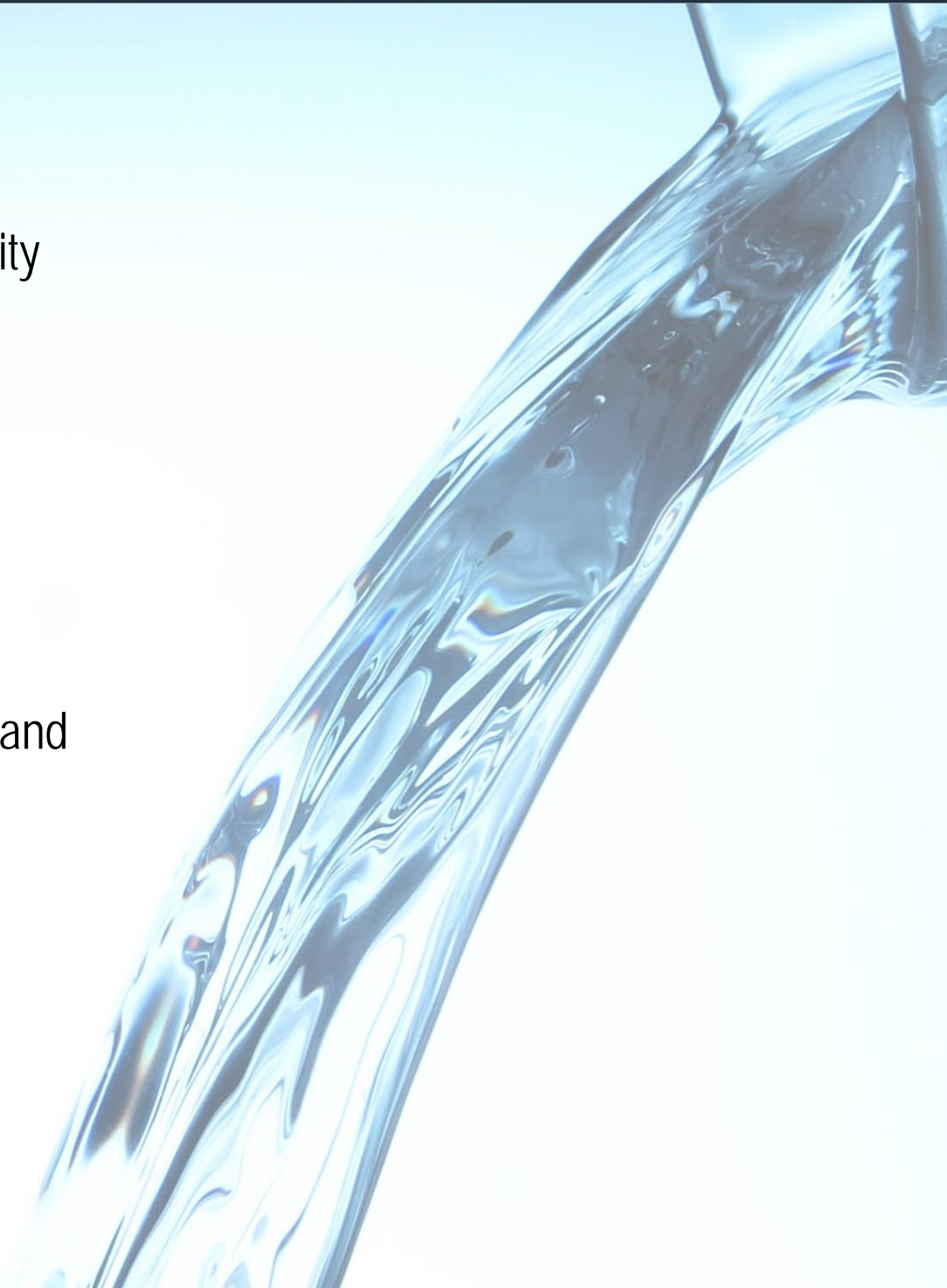
Stantec Contract: Proposed Amendment (Cont.)

- Supports Phase 2 planning activities, such as:
 - Phase 2 Impacts on Biosolids Handling at MBC
 - Phase 2 Impacts of RO brine and Biosolids at PLWTP
 - Purified Water Conveyance Alternatives
 - Innovative Technology Evaluation
- Includes Phase 2 Demonstration Facility construction and operations support



Benefits of Amendment

- Maintains program management continuity through Phase 1 completion, supporting:
 - Program controls and outreach
 - Phase 1 Technical Studies
 - Startup of the North City Pure Water Facility
- Provides Phase 2 concept development and regulatory direction





Amendment Contract Breakdown

| | |
|------------------------------------|----------|
| Total Amendment: | \$37.7M |
| Wastewater % of Total Amendment: | ~39% |
| Wastewater Portion of Amendment: | ~\$14.7M |
| JPA portion of the Amendment (33%) | ~\$4.9M |





Stantec Amendment Approval Schedule

| Activity | Date |
|----------------------------|----------------|
| Metro TAC | May 2019 |
| Metro JPA/Metro Commission | June 2019 |
| Environment Committee | September 2019 |
| City Council Approval | October 2019 |
| Notice to Proceed | December 2019 |



Authorized Task Orders in Original Contract

| Task Order Number | Description | Total Cost | Wastewater Cost | Water Cost |
|-------------------|---|---------------------|-------------------|-------------------|
| 1 | Program Initiation | \$ 2,031,032 | \$ 1,015,516 | \$ 1,015,516 |
| 2 | Pre-Designs of North City Upgrades | \$ 14,222,146 | \$ 4,312,243 | \$ 9,909,903 |
| 3 | San Vicente Reservoir Modeling to Support Concept Approval Application | \$ 226,544 | \$ - | \$ 226,544 |
| 4 | Impact of Pure Water on Water Treatment Plant Operations | \$ 333,922 | \$ - | \$ 333,922 |
| 5 | PMO/Program Management Services (FY16: July 2015 - June 2016) | \$ 2,904,837 | \$ 1,452,419 | \$ 1,452,419 |
| 6 | Stress Testing and In-Operation Capacity of NCWRP | \$ 150,250 | \$ 150,250 | \$ - |
| 7 | Cogeneration Evaluation for NCWRP and APWF | \$ 420,489 | \$ 210,245 | \$ 210,245 |
| 8 | Options for Conveyance Termination at San Vicente Reservoir Pipeline | \$ 146,381 | \$ - | \$ 146,381 |
| 9 | Test Plan and Analysis for Prequalification and Preselection for NCAWPF | \$ 1,579,367 | \$ - | \$ 1,579,367 |
| 10 | Technical Advisory Committee Review of North City Predesigns | \$ 49,656 | \$ 24,828 | \$ 24,828 |
| 11 | Impact of RO Brine on Wastewater Treatment Plant Operations | \$ 228,340 | \$ - | \$ 228,340 |
| 12 | Regulatory Support for Proposed North City Area Projects | \$ 1,538,205 | \$ 769,103 | \$ 769,103 |
| 13 | Strategic Oversight of Environmental Issues for Pure Water Program | \$ - | \$ - | \$ - |
| 14 | Phase I Environmental Site Assessment | \$ 19,404 | \$ - | \$ 19,404 |
| 15 | Small Business Outreach | \$ 69,122 | \$ 34,561 | \$ 34,561 |
| 16 | Centrate Management Options Study | \$ 44,446 | \$ 44,446 | \$ - |
| 17 | Establish Pure Water Automation (COMNET) Requirements | \$ 172,903 | \$ 86,452 | \$ 86,452 |
| 18 | Evaluate Impacts of NCWRP Expansion on MBC | \$ 351,704 | \$ 351,704 | \$ - |
| 19 | Public Outreach and Education Services (April 1, 2016 - June 30, 2018) | \$ 1,396,674 | \$ 698,337 | \$ 698,337 |
| 20 | Operator Training for Future AWPF | \$ 250,971 | \$ - | \$ 250,971 |
| 21 | Develop Enterprise Level Control Strategy | \$ 52,365 | \$ 26,183 | \$ 26,183 |



Authorized Task Orders Including Amendments

| Task Order Number | Description | Total Cost | Wastewater Cost | Water Cost |
|--|---|----------------------|----------------------|----------------------|
| 22 | Miramar Reservoir Modeling | \$ 818,842 | \$ - | \$ 818,842 |
| 23 | PMO Staffing | \$ 7,397,587 | \$ 3,698,794 | \$ 3,698,794 |
| 24 | Update 2009 Biosolids Processing Evaluation | \$ 354,439 | \$ 354,439 | \$ - |
| 25 | Value Engineering | \$ 313,684 | \$ 128,389 | \$ 185,295 |
| 26 | Centrate Disposal Evaluation | \$ 138,727 | \$ 138,727 | \$ - |
| 27 | Update Spec Sections 13300, 13400 | \$ 87,937 | \$ 43,969 | \$ 43,969 |
| 28 | Design Reviews and Tech Support | \$ 1,391,274 | \$ 717,910 | \$ 673,364 |
| 29 | RFQ Tech Support of DBFOM | \$ 546,333 | \$ 273,167 | \$ 273,167 |
| 30 | NCWRP White Paper | \$ 146,160 | \$ 146,160 | \$ - |
| 31 | NCPW OM Readiness Master Plan | \$ 202,418 | \$ 101,209 | \$ 101,209 |
| 32 | Construction Management (CM) Planning | \$ 94,172 | \$ 47,086 | \$ 47,086 |
| 33 | Study of Alternatives to 30% EDR | \$ 14,386 | \$ - | \$ 14,386 |
| 34 | Pipe Loop Study | \$ 347,710 | \$ - | \$ 347,710 |
| 35 | Miramar WTP Study | \$ 410,300 | \$ - | \$ 410,300 |
| 36 | DSD & Env Review Technical Support | \$ 10,215 | \$ 5,108 | \$ 5,108 |
| 37 | NCREP 10 Percent Pre-Design | \$ 1,122,442 | \$ 561,221 | \$ 561,221 |
| 38 | CA Alternatives Analysis | \$ 231,106 | \$ 115,553 | \$ 115,553 |
| 39 | OCIP Support Services | \$ 323,926 | \$ 161,963 | \$ 161,963 |
| 40 | Black & Veatch Financial Support | \$ 266,805 | \$ 133,403 | \$ 133,403 |
| 41 | COMNET Support Services | \$ 50,000 | \$ 25,000 | \$ 25,000 |
| 42 | IWCP Support Services | \$ 204,075 | \$ 102,038 | \$ 102,038 |
| 43 | Miramar DWTP Residuals Study | \$ 65,069 | \$ - | \$ 65,069 |
| 44 | HPO Testing and Design | \$ 369,736 | \$ - | \$ 369,736 |
| 45 | Public Outreach and Education Services (July 1, 2018 - March 31, 2019) | \$ 1,088,511 | \$ 544,256 | \$ 544,256 |
| 46 | Pure Water On-Site Program Management Services | \$ 3,862,192 | \$ 1,931,096 | \$ 1,931,096 |
| 47 | Energy Economics Support Services | \$ 69,008 | \$ 34,504 | \$ 34,504 |
| Total Authorized Amount to Date | | \$ 46,115,812 | \$ 18,440,272 | \$ 27,675,540 |

Data as of 04/24/19

Bold = Ongoing Task Order

Future Task Orders

| Task Order | Description |
|------------|--|
| A | PMO Core Team Staffing (Jan 2020 - Dec 2024) |
| B | Public Outreach Staffing (Jan 2020 - Dec 2024) |
| C | Water Treatment Plant Residuals Management Study |
| D | Phase 1 - North City Technical Studies and Support (multiple Task Orders): <ul style="list-style-type: none"> - Local Limits Evaluation - Additional Miramar Modeling Studies - Phase 1 Operations and Treatment Optimization Support - Project Interface Design Analysis |
| E | Phase 2 Regulatory Support |
| F | Phase 2 Technical Planning and Studies (multiple Task Orders): <ul style="list-style-type: none"> - Impacts of Phase 2 Biosolids Handling at MBC - Impacts of Phase 2 RO Brine and Biosolids Handling at PLWWTP - Validation Assessment and Analysis of Appropriate Delivery Methodology - Technical Assessment of Phase 2 Alternatives - Options for Conveyance System Termination - Innovative Technology Review |
| G | Phase 2 Demonstration Facility Planning and Design, and Construction/Operations Support |



Questions?



Attachment 11

MetroTAC
Update/Report

**Metro TAC Work Plan
Active & Pending Items
January 2019**
Updated Items in Red Italics

| Active Items | Description | Member(s) |
|--|--|--|
| Muni Transportation Rate Study Working Group | San Diego has hired Carollo Engineers to review the existing transportation rate structure. A work group has been formed to review and give input. First meeting will be in December 2017. Although this is a muni issue it is included on the work plan due to its significance and potential effect on all Metro TAC members. 3/18: Technical consultants to meet with PUD staff and Carollo on 3/22/18 to review model in detail 6/18: JPA technical consultants continue to work with PUD staff on understanding rate calculations <i>1/19: Working group still meeting with PUD staff & consultants.</i> | Roberto Yano Yazmin Arellano Dan Brogadir Carmen Kasner Mark Niemiec Dexter Wilson SD staff |
| Point Loma Permit Ad Hoc | Metro Commission/JPA Ad Hoc established 9/17. 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 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 through successful coordination between water and wastewater agencies. 10/17: Group has met several times. Discussions are ongoing. 3/18: Group continues to meet at least monthly. 6/18: Group continues to meet monthly. Outreach subgroup formed. <i>1/19: This group continues to meet as needed.</i> | Jerry Jones Jim Peasley Ed Spriggs Bill Baber Steve Padilla Metro TAC staff & JPA consultants |
| Phase II Pure Water Facilities Working Group | Created to work with SD staff & consultants on determining Phase II facilities. <i>1/19: Work group has eliminated two alternatives and continues to review updated facilities and their costs. Presentation to Metro TAC by Stantec re: Phase 2 Flows and Loads. Copy attached to Metro TAC minutes.</i> | Roberto Yano Seval Sen Scott Tulloch Dexter Wilson SD staff & consultants |
| Residuals Management Working Group | This working group was formed to continue work on Sections 2.9.2 and 2.9.3 of the Amended and Restated Agreement regarding the potential transfer of the East Mission Gorge Pumps Station and the disposal, treatment, or transfer of residuals. <i>1/19: Group continues to meet.</i> | Eric Minicilli Yazmin Arellano Dan Brogadir Seval Sen Scott Tulloch Dexter Wilson SD staff & consultants |
| Phase I Financial Implementation Work Group | This working group was formed to continue to work on Section 2.9.1 and other financial implementations issues associated with the Amended Restated Agreement. <i>1/19: Working group had formation meeting 12/18. Has prepared draft task list and task assignments for group members and SD staff. Will meet at least monthly until tasks are complete. Ownership of EMGPS determined. Appraisal in progress.</i> | Karyn Keese Dexter Wilson SD staff & consultants |
| Phase II Disposal Agreement Working Group | This group replaces the Debt Allocation Working Group with the approval of the Amended and Restated Agreement for Phase 1. <i>1/19: Group will start meeting in February</i> | Roberto Yano Karyn Keese Scott Tulloch Dexter Wilson SD staff & consultants |

**Metro TAC Work Plan
Active & Pending Items
January 2019**
Updated Items in Red Italics

| Active Items | Description | Member(s) |
|-----------------------------------|--|--|
| Pretreatment Working Group | Formed to work with San Diego on new standards for industrial waste discharge. <i>1/19: SD has received draft report from consultant but has sent back for revisions. Second draft will be reviewed by working group.</i> | Yazmin Arellano Mark Niemiec Ed Walton Beth Gentry Dexter Wilson SD Staff & Consultants |
| JPA Website Update Working Group | The JPA Website, especially the New Director Manual, has not been updated for several years. As we have several new Directors, the manual needs to be updated. <i>1/19: Working group formed. First meeting 2/20/19.</i> | Roberto Yano Karyn Keese Lori Peoples Susan Spotts |
| Exhibit E Audit | <i>1/19: FYE 2017 fieldwork complete. FYE 2018 entrance conference complete. Sample selection under way.</i> | Karen Jassoy Karyn Keese Dexter Wilson |
| IRWMP | Members should monitor funding opportunities at: http://www.sdirwmp.org <i>1/19: PA representatives continue to report monthly at Metro TAC</i> | Yazmin Arellano Beth Gentry |
| Strength Based Billing Evaluation | San Diego will hire a consultant every three years to audit the Metro metered system to insure against billing errors. <i>1/19: 2019 is the year for the billing review. Scope to be discussed at Financial Implementation Work Group and then brought to TAC. This group combined w/ Sample Rejection Protocol Working Group. SBB workshop by SD staff still outstanding.</i> | Dan Brogadir Dennis Davies? Karyn Keese Mark Niemiec Dexter Wilson SD Staff |
| 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 | Inactive; Members added as needed |

Metro TAC Work Plan

Annual 2018 Work

Completed

Closed January 2019

Updated Items in Red Italics

| Active Items | Description | Member(s) |
|---|---|--|
| Pure Water Facilities Working Group | This subcommittee was formed by Metro TAC and is a technical group of engineers and supporting financial staff to work with San Diego staff and consultants on cost allocations for proposed Pure Water facilities. This group meets at least monthly. Current projects include North City and MBC expansions. First meeting was 3/24/17. Roberto Yano is the chair. 5/17: Group continues to meet monthly with PUD and PWP consultants. Reviewed and accepted cost allocation for MBC. 7/17: Facilities WG has submitted their comments to the City of SD on the 30% design of the North City Expansion Project. They are working cooperatively with PUD staff and consultants in the review of the design and their comments. 9/17: Positive progress, reviewed Construction package 1 and 3 and provided comments 10/17: Continued work w/SD on cost allocation of major PWP facilities. Projected draft cost allocation document in November/December 2017. 3/18: Working group have reviewed all four construction design packages and has turned in comments & questions to PUD staff. Work on cost allocation continues. 6/18: Continued review of designs & questions. <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Yazmin Arellano Dan Brogadir Steve Beppler Al Lau Scott Tulloch Dexter Wilson Roberto Yano SD staff & consultants |
| Sample Rejection Protocol Working Group | 7/16: The sample rejection protocol from the B&C 2013 report has been under discussion between PUD staff and Metro TAC. A working group was formed to deal with this highly technical issue and prepare draft recommendations on any changes to current sampling procedures. The existing protocol is to be used through FY17. If changes are approved to the protocol they will be implemented in FY18. 1/17: Work group continues to meet monthly. 6/17: Working Group has complete their review. Three work items to be brought forward at June Metro TAC and during the next fiscal year quarter: 1) Edgar Patino will write memo to support decisions of working group. 2) PUD financial staff to provide workshop for PAs during next fiscal year quarter to go over strength based billing and how to understand sampling data and quarterly billings. Training session to be videotaped and uploaded to the JPA website 3) Dexter Wilson to provide draft protocol on how to read and validate quarterly billings. March 2018: PUD staff has prepared the draft memo and has distributed it to the working group 6/18: Memo presented to TAC and accepted as Protocol #3. Only remaining task is SBB training session. | Dennis Davies Dan Brogadir Al Lau Dexter Wilson Erin Bullers SD staff |
| PLWTP Permit Ad Hoc Working Group | 1/17: Greg Humora and Scott Tulloch continue to meet with stakeholders. . Milestones are included in each month Metro TAC and Commission agenda packet. <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Greg Humora Scott Tulloch SD staff & consultants Enviro members |

Metro TAC Work Plan

Annual 2018 Work

Completed

Closed January 2019

Updated Items in Red Italics

| Active Items | Description | Member(s) |
|--|---|---|
| Flow Commitment Working Group | 6/16: Upon the request of Metro Com Chair Jim Peasley Chairman Humora created a working group to review the Flow Commitment section of the Regional Agreement and make recommendations on the fiscal responsibilities of members who might withdraw their flow from the Metro System. The Work Group held their first meeting June 24, 2016. Yazmin Arellano chairs the work group. 1/17: Work group continues to meet monthly. 4/17: Group has prepared draft RFP to hire engineering consultant to update Pt. Loma capacities. 7/17: Working Group is waiting for additional data from PUD staff and is finalizing the scope and selection of a consultant for the Pt. Loma Cost Capacity Study 10/17: Metro System Sewage Generated Flow projections worksheet handed out. Copy attached. 3/18: Working group continues to meet monthly; presentation made at March Metro TAC meeting. Agencies to review draft capacity numbers and provide comments by April Metro TAC meeting. 6/18: New capacity numbers developed and incorporated into draft Amendment. <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Yazmin Arellano Roberto Yano Erin Bullers Eric Minicilli Al Lau Dexter Wilson Karyn Keese SD staff |
| Secondary Equivalency | 5/14: Definition of secondary equivalency for Point Loma agreed to be enviros 12/14: Cooperative agreement signed between San Diego and enviros to work together to pass legislation for secondary equivalency (until 8/1/19) San Diego indicated that passage of Federal legislation is not possible under the current political environment. San Diego is exploring options for State legislation 9/15: Letter received from EPA endorsing modified permit for Point Loma 6/16: Pursuit of Federal Legislation will be held off until after the November 2016 election. City of San Diego to consult with DC lobbyists on 2/4/17 6/17: Mayor Faulconer to meet with EPA Washington re: proceeding with Admin Fix. JPA to send letter stating that they do not support Admin Fix and request pursuit of permanent legislation instead. 10/17: SD is pursuing both Admin Fix and Secondary Equivalency legislation in Washington; Ad Hoc to monitor efforts. Updates to be provided by SD staff/consultants at each Metro Commission meeting. <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Greg Humora Scott Tulloch |
| Pure Water Program Cost Allocation Working Group | A working group was formed to discuss Pure Water program cost allocation policies. 9/16: Concepts to be refined by Metro TAC and San Diego staff for presentation to Commission 1/17. 4/17: This group is currently being supported on a technical level by the Pure Water Facilities Subcommittee. 7/17: Working group is reviewing full PWP components list with PUD staff. 3/18: Cost allocation continues. Phase I cost allocation to be set based on outcome of bids for 13 PWP construction packages due to be bid in the fall of 2018. 6/18: Award of blanket contract approval by San Diego City Council moved to 10/2/18. <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Greg Humora Scott Tulloch Roberto Yano Karyn Keese SD staff & consultants |

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| Pure Water Program Cost Allocation Metro TAC Working Group | 5/14: Draft facility plan and cost allocation table provided to Metro TAC working group 3/15: Draft cost allocation presentation provided to Metro TAC <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Greg Humora Scott Tulloch Rick Hopkins Roberto Yano Al Lau Bob Kennedy Karyn Keese |
| Amend Regional Wastewater Disposal Agreement | The addition of Pure Water facilities and costs will likely require the amendment of the 1998 Regional Wastewater Disposal Agreement. The Padre Dam billing errors have led to a need to either amend the Agreement and/or develop administrative protocols to help resolve potential future billing errors. After Pure Water cost allocation had been agreed to this effort will begin. <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Greg Humora Roberto Yano Dan Brogadir Karyn Keese Paula de Sousa Mills |
| Debt Allocation Working Group | 3/18: Working group has been preparing an MOU and draft Amendment to the Regional Disposal Agreement to incorporate cost allocation "deal points" into a formal document. Draft MOU and Agreement has been reviewed by Ad Hoc and will go to Metro TAC at their March meeting. 6/18: Draft amendment is still under negotiation with San Diego staff. 5/14/18 version presented to Metro TAC and JPA/Commission. <i>1/19: With the approval of the San Diego City Council of the Amended Restated Agreement in December 2018 this working group has been closed and replaced.</i> | Greg Humora Roberto Yano Scott Tulloch Dexter Wilson Karyn Keese Paula de Sousa Mills Nicholas Norvell |
| Exhibit E Audit | 6/16: FY 2013 audit accepted by Metro Commission; 9/16: FYE 2014 audit accepted by Metro Commission. FYE 2015 audit report to be issued by end of 2016 and then all audits will be caught up. 1/17: FYE 2015 to be issued in February 2017. FYE 2016 fieldwork is underway with anticipated draft 7/17. 3/17: FYE 2015 audit report issued. Acceptance pending resolution of PWP cost allocation for cost incurred in that fiscal year. 5/17: FYE 2015 audit to move forward as requested costs have been received. FYE 2016 audit field work complete. 6/17: FYE 2015 audit accepted by JPA with assurances that once the PWP cost allocation is complete and approved by all parties that incurred costs will be adjusted as necessary to approved split of shared costs between water and wastewater. FYE 2016 audit field work complete. Completion anticipated in October 2017. 10/17: FYE 2017 Exhibit E Audit has begun. 3/18: FYE 2016 audit completion date moved to 4/18. FYE 2017 preliminary draft number prior to fieldwork is showing an increase from \$65 million PA share to \$70 million. 6/18: Exhibit E 2016 audit completion projected to be 7/18. <i>1/19: FYE Exhibit E audit completed 7/18.</i> | Karyn Keese Karen Jassoy Dexter Wilson SD staff |

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|---|---|---|
| IRWMP | 8/15 RAC minutes included in August Metro TAC agenda. Padre Dam received a \$6 million grant for their project. 9/16: June 2, 2016 and August 3, 2016 minutes presented to Metro TAC. 12/16: Roberto Yano and Yazmin Arellano appointed to IRWMP. 5/17: Roberto Yano providing monthly updates as well as grant funding opportunities 6/17: Robert Yano urged Metro TAC members to visit the IRWMP website to keep on top of funding opportunities: http://www.sdirwmp.org ; Yazmin to attend June meeting. 10/17: Roberto Yano requested comments from TAC on storm water presentation to be provided to IRWMP 10/17: Yazmin gave update on Prop 1 and other funding sources. Members should monitor funding opportunities at: http://www.sdirwmp.org | Roberto Yano Yazmin Arellano |
| Pure Water EIR Comment Ad Hoc Sub Committee | Created at September 2017 Metro TAC meeting. Purpose to provide technical review of the Pure Water Program EIR and provide draft comments for Metro TAC/JPA review. 10/17: Dexter Wilson & Carmen Kasner reviewed their comments w/Metro TAC. They will forward comments to Chair Humora & he will forward to San Diego. 3/18: Comments submitted to EIR staff. Response from San Diego does not address all issues. Technical consultants and Ad Hoc working with City staff on issues. 6/18: One lawsuit filed by La Jolla Planning Group against the EIR. San Diego extends JPA tolling agreement for 60 days. <i>1/19: EIR certified. Group closed</i> | Roberto Yano Dexter Wilson Carmen Kasner Lisa Coburn-Boyd Paula de Sousa Mills |
| Sample Rejection Protocol Working Group | 7/16: The sample rejection protocol from the B&C 2013 report has been under discussion between PUD staff and Metro TAC. A working group was formed to deal with this highly technical issue and prepare draft recommendations on any changes to current sampling procedures. The existing protocol is to be used through FY17. If changes are approved to the protocol they will be implemented in FY18. 1/17: Work group continues to meet monthly. 6/17: Working Group has complete their review. Three work items to be brought forward at June Metro TAC and during the next fiscal year quarter: 1) Edgar Patino will write memo to support decisions of working group. 2) PUD financial staff to provide workshop for PAs during next fiscal year quarter to go over strength based billing and how to understand sampling data and quarterly billings. Training session to be videotaped and uploaded to the JPA website 3) Dexter Wilson to provide draft protocol on how to read and validate quarterly billings. March 2018: PUD staff has prepared the draft memo and has distributed it to the working group 6/18: Memo presented to TAC and accepted as Protocol #3. Only remaining task is SBB training session. <i>1/19: SBB training still outstanding.</i> | Dennis Davies Dan Brogadir Al Lau Dexter Wilson SD staff |

Metro TAC

Participating Agencies

Selection Panel Rotation

| Agency | Representative | Selection Panel | Date Assigned |
|---------------------|-----------------|---|---------------|
| 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 | Real Property Appraisal, Acquisition, and Relocation Assistance for the Public Utilities Department | 11/30/15 |
| El Cajon | Dennis Davies | PURE WATER RFP for Engineering Design Services | 12/22/15 |
| Lemon Grove | Mike James | PURE WATER RFP Engineering services to design the North City Water reclamation Plant and Influence conveyance project | 03/16/15 |
| National City | Kuna Muthusamy | Passes | 04/04/2016 |
| Coronado | Ed Walton | As-Needed Environmental Services - 2 Contracts | 04/04/2016 |
| Otay Water District | Bob Kennedy | As Needed Engineering Services Contract 1 & 2 | 04/11/2016 |
| Del Mar | Eric Minicilli | Pure Water North City Public Art Project | 08/05/2016 |
| Padre Dam | Al Lau | Biosolids/Cogeneration Facility solicitation for Pure Water | 08/24/2016 |
| County of San Diego | Dan Brogadir | Pure Water North City Public Art Project | 08/10/2016 |
| Chula Vista | Roberto Yano | Design Metropolitan Biosolids Center (MBC) Improvements Pure Water Program | 9/10/2016 |
| La Mesa | Greg Humora | Design of Metropolitan Biosolids Center (MBC) Improvements | 9/22/16 |
| Poway | Mike Obermiller | Electrodialysis Reversal (EDR) System Maintenance | 12/7/16 |
| El Cajon | Dennis Davies | As-Needed Construction Management Services for Pure Water | 3/13/17 |
| Lemon Grove | Mike James | Morena Pipeline, Morena Pump Station, Pure Water Pipeline and Dechlorination Facility, and the Subaqueous Pipeline | 8/7/17 |
| National City | Vacant | North City and Miramar Energy Project Landfill Gas and Generation- Pass | 1/31/2018 |
| Coronado | Ed Walton | North City and Miramar Energy Project Landfill Gas and Generation | 1/31/2018 |
| Otay Water District | Bob Kennedy | As Needed Engineering Services - Contracts 3 and 4 (H187008 & H187009) | 2/16/2018 |
| Del Mar | Joe Bride | Request for Proposal Owner Controlled Insurance Program (OCIP) Pure Water – 1 st email sent on 5/23/18 & 2 nd email sent on 5/29/18 | 5/23/18 |
| Padre Dam | Al Lau | Request for Proposal Owner Controlled Insurance Program (OCIP) Pure Water (Mark Niemiec will participate) | 5/31/18 |
| County of San Diego | Dan Brogadir | | |

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|---------------------|-----------------|--|--|
| Chula Vista | Frank Rivera | | |
| Imperial Beach | Eric Minicilli | | |
| La Mesa | Greg Humora | | |
| Poway | Mike Obermiller | | |
| El Cajon | Dennis Davies | | |
| Lemon Grove | Mike James | | |
| National City | Roberto Yano | | |
| Coronado | Ed Walton | | |
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Sewer Rate Comparison for Metro Participating Agencies
Single Family Monthly Rates Based on 7 HCF of Water Usage
Effective January 1, 2019 for FY 2019

