



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

TO: Metro TAC Representatives

CC: Metro JPA Directors (for information only)

DATE: Wednesday, July 17, 2024

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

LOCATION: Metro TAC is holding its July meeting as a **Hybrid in a MOC II Conference Room**. Due to the size of the meeting room, only TAC **Primary** members, JPA Staff and approved San Diego Staff (Presenters & Mgt.) are authorized to attend in person. All Metro TAC Alternates and staff who wish to view the meeting may do so via the **TEAMS** link sent via another email. **REMINDER:** MetroTAC is NOT a public meeting so non-TAC members and JPA Board members are not invited to attend. Please do not share the link. **As this meeting is in a restricted area of MOC an escort from the front desk is required. Please arrive prior to 11:10 otherwise an escort and therefore entry into the meeting cannot be assured.**

*Should you have any questions, please call Board Secretary Lori Peoples at 619.548.2934 **PRIOR** to the meeting date.*

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1. **ACTION:** Review and Approve MetroTAC Action Minutes for the Meeting of May 15, 2024 (**Attachment**)
 2. **ACTION:** Consideration and Possible Action to Recommend to the Metro Wastewater JPA Approval of a Fifth Amendment to the As-Needed Engineering Technical Services Consultant Agreement with Stantec, Inc. for the Pure Water Program (H156303) (Andrea Demich) (**Attachment**)
 3. **ACTION:** Consideration and Possible Action to Recommend to the Metro Wastewater JPA Approval of the Second Amendment to the Contract with Patriot Environmental Services for Removal and Transport of Grit, Sludge, Scum, Vivianite, and Stormwater (Craig Boyd/David Bryant) (**Attachment**)

4. **ACTION:** Consideration and Possible Action to Recommend to the Metro Wastewater JPA Approval of the Third Amendment to the Contract with Veolia WTS Services USA, Inc. to Provide Electrodialysis Reversal System Maintenance (Craig Boyd/David Bryant) (**Attachment**)
5. **DISCUSSION:** Exhibit B, Pool Capacity, and Automatic Transfers (Dexter Wilson) (**Attachment**)
6. **UPDATE:** Metro Wastewater (General) (Standing Item) (Lisa Celeya)
7. **UPDATE:** Pure Water Program Update (Standing Item) (Amy Dorman/Doug Owen)
 - Quarterly Contractors Report (Doug Owen)
8. **UPDATE:** Metro Wastewater Financial (Standing Item) (Adam Jones)
9. **UPDATE:** JPA Executive Director (Standing Item) (Karyn Keze) (**Attachment**)
10. **UPDATE:** Metro Commission/JPA Board Meeting Recap (Standing Item) (Alisa Nichols)
11. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (**August 1, 2024**)
12. Other Business of Metro TAC
13. Adjournment (**To the next Regular Meeting August 21, 2024**)

Metro TAC 2024 Meeting Schedule

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



MetroTAC

(Technical Advisory Committee to Metro JPA/Commission)

ACTION MINUTES

DATE OF MEETING: May 15, 2024
TIME: 11:00 AM
LOCATION: ZOOM Electronic Meeting

MEETING ATTENDANCE:

Members Present

Michael Benozza, Chula Vista
Leon Firsht, Coronado (absent)
Joe Bride, Del Mar (absent)
Blake Behringer, El Cajon
Eric Minicilli, Imperial Beach
Joe Kuhn, La Mesa
Izzy Murguia, Lemon Grove
Carmen Kasner, National City
Jeff Maraschino, OT WD
Beth Gentry, Otay WD
Paul Clarke, Padre DAM MWD
Peejay Tubongbanua, Padre Dam MWD
Alisa Nichols, Poway
Sumedh Bahl, County of San Diego

San Diego City Staff/Consultants

Adam Jones, City of San Diego
Doug Campbell, City of San Diego
Violet Renick, City of San Diego
Tiffan Blaszak, City of San Diego
Peter Vroom, City of San Diego
Edgar Patino, City of San Diego

San Diego Consultants

Doug Owen, Stantec
Ben Stewart, Stantec

JPA Staff/Consultants Present

Karyn Keze, Executive Director, the Keze Group
Adriana Ochoa, Metro JPA Legal Counsel
Dexter Wilson, Dexter Wilson Engineering
Kathleen Heitt, Dexter Wilson Engineering
Lee Ann Jones-Santos, Metro JPA Treasurer
Lori Anne Peoples, Metro JPA Board Secretary

1. ACTION: Review and Approve MetroTAC Action Minutes for the Meeting of April 17, 2024

Carmen Kazner requested a correction, a typo/clarification on #4, third line from the bottom. It should read "Ms. Keze asked the PAs to send her a list of topics they want addressed in

future workshops, which she will then forward to Ben Stewart (Stantec) and Lisa Celeya (City of San Diego). Dexter thanked Ben and the City of San Diego for their support and expressed his hope for a continued partnership.”

ACTION: Motion by Carmen Kasner, seconded by Eric Minicilli, the minutes be approved as corrected. Motion carried unanimously.

Item 8 was heard at this time.

2. ACTION: Consideration and Possible Action to Recommend to the Metro JPA/Commission Approval to Authorize the Second Amendment to Sole Source Contract #3985 with Agilent Technologies, Inc. to Provide Laboratory Instrumentation and Associated Software Packages for Data Analysis, Reporting and Associated Services (FY 2025-2030)

Violet Renick, City of San Diego, introduced herself and provided a brief overview of the PowerPoint presentation included in the agenda package. Peejay Tubongbauna requested she include a breakdown of the costs specifically for Metro JPA in their presentation if approved. Adam Jones, City of San Diego stated he would make sure the latest estimate is clarified for the JPA and Doug Campbell stated that the approximate cost to the JPA would be \$800M.

ACTION: Motion by Peejay Tubongbauna, seconded by Eric Minicilli, to recommend approval with the cost's breakdown included, to the Metro JPA/Commission. Motion carried unanimously.

3. ACTION: Consideration and Possible Action to Recommend to the Metro Wastewater JPA Approval of the FY 2025 JPA Budget

Executive Director Keze started off by thanking Amy Dorman for the beautiful photos she incorporated into this year's budget presentation. She then provided a verbal overview of the PowerPoint presentation included in the agenda packet.

Peejay Tubongbauna suggested the professional services budget in the agreement with the Treasurer be increased to \$50K to match her proposed budget line item which includes an additional \$10K contingency fund and requested a footnote or asterisk be added to clarify the City of San Diego contribution to the Board Secretary's salary.

ACTION: Motion by Beth Gentry, second by Peejay Tubongbauna, to recommend approval to the Metro Wastewater JPA with the corrections requested. Motion carried unanimously.

4. ACTION: Consideration and Possible Action to Recommend to the Metro Wastewater JPA Approval of the Following Items Relating to FY 2025 JPA Budget:

- a. Professional Services Agreement with Rodney Greek, CPA for Treasurer Services for Lee Ann Jones-Santos

- i. Discussion Regarding Change in Treasurer Position and Designation of JPA Auditor
- ii. Discussion Regarding Letter of Termination for El Cajon Treasurer Contract Effective June 30, 2024

General Counsel Ochoa provided a brief verbal overview of the Professional Services Agreement with Rodney Greek, Change in Position and Designation of Auditor and Letter of Termination with the City of El Cajon, all of which were included in the agenda package.

ACTION: Motion by Beth Gentry, second by Eric Minicilli, to recommend approval to the Metro Wastewater JPA of items 4 a, I, and ii, with the corrections in the not to exceed contract amount for the Treasurer to \$50K. Motion carried unanimously.

- b. Professional Services Agreement with the Gavares Group for Consulting Services for the Metro Wastewater Joint Powers authority Strategic Plan Process

Executive Director Keze provided a brief verbal overview of the agreement and purpose. The scope of work outlined in the Contract reflects how the Strategic Plan has been successfully managed in the past.

ACTION: Motion by Beth Gentry, second by Eric Minicilli, to recommend approval to the Metro Wastewater JPA of the agreement. Motion carried unanimously.

5. ACTION: Consideration and Possible Action to Recommend to the Metro JPA/Commission the Authorization of a Comprehensive System-Wide I&I Study

Dexter Wilson provided an overview of his staff report and PowerPoint presentation included in the agenda package. He mentioned that we are entering a new phase in working with the City of San Diego, where they are inquiring if we philosophically agree that an I&I study would be an innovative idea, rather than simply informing us that they are proceeding with the study. If this concept moves forward, Dexter will return to the next TAC meeting to request the formation of an I&I TAC Working Group (inclusive of all interested PAs). Dexter views this as a fantastic opportunity to have more meaningful input into the Scope of Work of this very important study rather than receiving it upon completion. One of the goals of this study is to establish a formal procedure for how incremental peaking factors should be calculated and then the application of these principles to historical ADS data for their inclusion in the SARA. The report would focus more on capital requirements for PS1 and PS2 rather than just stormwater. The starting point would be to gather all I&I studies and reports prepared for/by PAs and the City and begin from there.

ACTION: Motion by Beth Gentry, second by Carmen Kazner, to recommend approval to the Metro Wastewater JPA. Motion carried unanimously.

6. PRESENTATION: Unit Cost per Billing Parameters

Dexter Wilson provided a verbal overview of his PowerPoint presentation included in the agenda package.

Item 7 was heard after Item 10

7. DISCUSSION: Scenario Areas for FAB

Adam Jones introduced Ben Stewart of Stantec who provided a brief verbal overview of his PowerPoint presentation and noted that he had presented this to TAC and the JPA at their last meeting. From those meetings, he understood that Otay, Padre Dam, and National City wanted to ensure that when this item is on the agenda, the PAs would have the opportunity to provide input.

Executive Director Keze requested that the PAs email their questions and requests for information to both MetroTAC Chair Alisa Nicols and her so they can be addressed at an upcoming workshop. The first workshop is scheduled for this month. Additionally, a second workshop for TAC members and their financial and/or engineering staff will be held in July.

This Item was heard after Item 1

8. UPDATE: Metro Wastewater (General) (Standing Item)

Doug Campbell, City of San Diego provided the report on behalf of Lisa Celaya who was unable to be present. He noted that the Supplemental Environmental 2020 Projects were proceeding on schedule; 973 lbs. of trash had been removed and plants were added; a shoreline assessment was made for habitat friendliness.

The CIP for Pump Station 1 has been advertised and is expected to begin as a design-build project in July. The design/build CIP for Pump Station 2 will start after the contract award, which will occur before the end of the fiscal year. The construction and operational readiness of Pump Station 2, without reliance on SDG&E power as needed, will be completed this summer, ahead of schedule. Early-stage CIP work on the Point Loma headworks system is underway. Additionally, emergency repairs are being carried out for slope stabilization at Pt. Loma caused by the rains.

9. UPDATE: Pure Water Program Update (Standing Item)

Doug Owen of Stantec provided a brief verbal update of his PowerPoint presentation included in the agenda package.

10. Metro Wastewater Financial (Standing Item)

Adam Jones stated that as the fiscal year ends, city staff are tracking all expenditures to finalize the year-end finances. He assured that any significant changes in bills would be communicated. He highlighted that the City has a short-term borrowing option for Pure Water projects in case of delays in SRF loan approvals and claim reimbursement payments. This strategy was used last year to manage claims variability, submitting nearly \$100M in claims to the State, with an expected reimbursement by June 30th.

PUD staff is also diligently working with the City's auditors, MGO, to finalize the Exhibit E audits and reconciliations for fiscal years 2020, and FY 2021 through 2023, addressing all costs and change orders for Pure Water during that period as well as other CIP & O&M costs. He thanked his staff for their hard work on these tasks.

Item 7 was heard here.

11. JPA Executive Director (Standing Item)

Executive Director Keze noted that she has submitted her written report in the agenda package. She has been receiving questions regarding when the existing Clean Water debt will be paid off and has included in the Report a section on Metro Debt Service Trends both graphically and in text.

12. UPDATE: Integrated Regional Water Management Program (Standing Item)

MetroTAC Chair Nichols reported that the IRWMP met on May 1st at the Safari Park in North County, where they toured a new wastewater system. She mentioned \$14 billion in federal funding is available for drought/climate change preparedness, water use efficiency, and water system resiliency. She also noted the need to revise JPA IRWMP representation, as Karyn Jassoy has stepped down. Peejay Tubongbanua offered to be the new Primary Representative. Nichols concluded by sharing her excitement about seeing a new baby rhino at the Safari Park.

ACTION: Motion by Izzy Murguia, seconded by Alisa Nichols, to appoint Peejay as the Primary Representative for the IRWMP. Motion carried unanimously.

13. UPDATE: Industrial Wastewater Control Committee (Standing Item)

MetroTAC Chair Nichols stated there was no update, no additional meetings have been scheduled, and that the work of this group is most likely complete. She will come back to TAC with an overview of Administrative Agreements in August. TAC will receive further information on the draft SARA pretreatment wording in a presentation on Administrative Agreements, most likely in August.

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

Executive Director Keze noted that the JPA had approved all items that had been moved forward from the last TAC meeting.

15. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting (August 1, 2024)

MetroTAC Chair Nichols noted that all action items and Item 5 will be moving forward to the JPA in August.

16. Other Business of MetroTAC

Executive Director Keze reminded everyone that TAC would be dark in June and the next regular meeting would be July 17, 2024

17. **Adjournment** (To the next Regular MetroTAC Meeting July 17, 2024)

TAC Chair Alisa Nichols adjourned the meeting at 1:44 p.m.

METRO JPA/TAC
Staff Report
Date: 6/10/2024

Project Title:

Pure Water – Fifth amendment to the As-Needed Engineering Technical Services Consultant agreement with Stantec, Inc for the Pure Water Program (H156303)

Presenter(s) Name:

Andrea Demich

Presenter(s) Title:

Assistant Deputy Director

Requested Action:

1. Authorization to execute the Fifth Amendment to the Agreement with Stantec, Inc., for As-Needed Engineering Technical Services for an amount not-to-exceed \$34,000,000, increasing the total not-to-exceed amount of the Agreement to \$128,100,000, and extending the contract term an additional five years; and
2. Authorization to expend an amount not-to-exceed \$128,100,000.00 in total over the term of this Agreement from Fund 700011, Water Utility Operating, Fund 700010, Water Utility CIP, Fund 700001, Metro Sewer Utility, and Fund 700009, Metro Sewer CIP, for the purpose of funding the As-Needed Engineering Technical Services Agreement with Stantec Consulting Services, Inc.

Recommendations:

Approve actions

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:	Cost breakdown will be assessed as tasks are opened. General tasks will be split 62% Water, 38% Metro, 0% Muni.
Fiscal impact to the Metro JPA:	Pure Water Phase 1: 33.5% of Metro cost

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 checked="" type="checkbox"/> Change <input type="checkbox"/>

Previous TAC/JPA Action:

Third Amendment to the Agreement with Stantec, Fall 2019

Additional/Future Action:

Present item to Metro JPA/ Metro Commission in July 2024

City Council Action:

Environment Committee 6/20/2024; City Council approval expected in July 2024

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

Pure Water is the City’s Program to provide a safe, secure, and sustainable local drinking water supply for San Diego. Broken into two phases, Phase 1 is located in the northern part of the City and will utilize Miramar

Reservoir and Miramar Water Treatment Plant for implementation. This contract, which supports Phase 1, will provide 30 mgd of locally produced drinking water when fully executed.

The Public Utilities Department utilizes the As-Needed Technical Services agreement with Stantec, Inc. (formerly Montgomery Watson Harza Americas, 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 years. The First Amendment was approved by City Council on October 25, 2016 and increased the contract amount to \$46,400,000. The Second Amendment was approved by City Council on February 12, 2019 and increased the contract amount to \$56,400,000. The Third Amendment received final approval for an Ordinance by City Council on November 5, 2019, increased the contract amount to \$94,100,000 and extended the contract an additional five years through January 5, 2025. The Fourth Amendment did not need City Council approval and was awarded on May 24, 2023 to incorporate administrative updates, including the Assent Letter for the Project Labor Agreement for Construction of Pure Water Program Phase 1 Projects.

The construction of Pure Water Phase 1 is currently estimated to be 50% complete. Pure Water production is still anticipated to begin in 2026, and overall construction of Phase 1 to be done in 2027. The City's current contract with Stantec will expire prior to both of these milestones. This action proposes to extend the agreement with Stantec, Inc. by five years through the completion of Phase 1 and increase the contract amount by \$34,000,000. The proposed Fifth Amendment covers the following:

<u>Task</u>	<u>Estimated Cost</u>
Continued Program Management, Financial, and Outreach Support	\$17,700,000
Continued Regulatory Support and Operations Plans	\$3,000,000
Additional Technical Studies	\$8,300,000
COMNET Support	\$5,000,000
TOTAL	\$34,000,000

Continued Program Management, Financial, and Outreach Support

The \$17.7 million for program management, financial, and outreach supports will extend Stantec's existing support from January 5, 2025 for another five years. This is a continuation of the same support services Stantec is currently providing. No changes are being made except the addition of time.

Continued Regulatory Support and Operations Plans

The additional regulatory support will benefit the City as we continue to negotiate start up and commissioning activities and timelines with regulators. Further, the operations plans for how multiple facilities will be operated and staffed are still under review with various regulators. Because Pure Water Phase 1 is the first surface water augmentation project in the State of California, not all requirements for operating the system have been finalized by regulators, and the City, with the support of Stantec, will continue discussion until this has been accomplished.

Additional Technical Studies

The regulators and the City are creating the template for implementing the first project under the State's new regulations. With access to Stantec's broad and deep expertise, the City has been able to respond to the full range of technical questions that have arisen on the program thus far. The \$8.3 million reserved for additional technical studies in this amendment will carry the City through the end of construction and beginning of full-scale operations of Pure Water Phase 1. This includes technical support to ensure the operation of Miramar Water Treatment Plant (MWTP) is optimized to receive the new Pure Water supply; additional modeling of Miramar Reservoir to answer questions from regulators regarding dilution values; assistance to North City Water Reclamation Plant (NCWRP) staff with asset management; and technical and operations support for staff at MWTP, NCWRP, and Point Loma Wastewater Treatment Plant during commissioning and the first part of Pure Water Phase 1 operations.

COMNET Support

The \$5 million for COMNET (the City's control system to support operational needs of the wastewater system) support is to assist staff in connecting new controls systems to existing systems. All major Pure Water facilities

have systems that allow certain parts to be monitored and controlled from a central location. The number of new facilities being connected at once, in conjunction with the hands-on assistance needed by multiple construction contractors, exceeds staff availability and Stantec is augmenting City staff where possible.

The Public Utilities Department will continue to provide regular updates on the progress of Pure Water's implementation. Updates will cover both Phase 1 construction and Phase 2 validation. City Council recently approved the separate contract with Stantec, Inc. for As-Needed Engineering Technical Services for Phase 2, and validation activities will begin as soon as the award process concludes.

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

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

Fifth Amendment to the As-Needed Engineering Technical Services Consultant Agreement with Stantec, Inc for the Pure Water Program

Public Utilities Department

Metro TAC
June 19, 2024



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Public Utilities Department



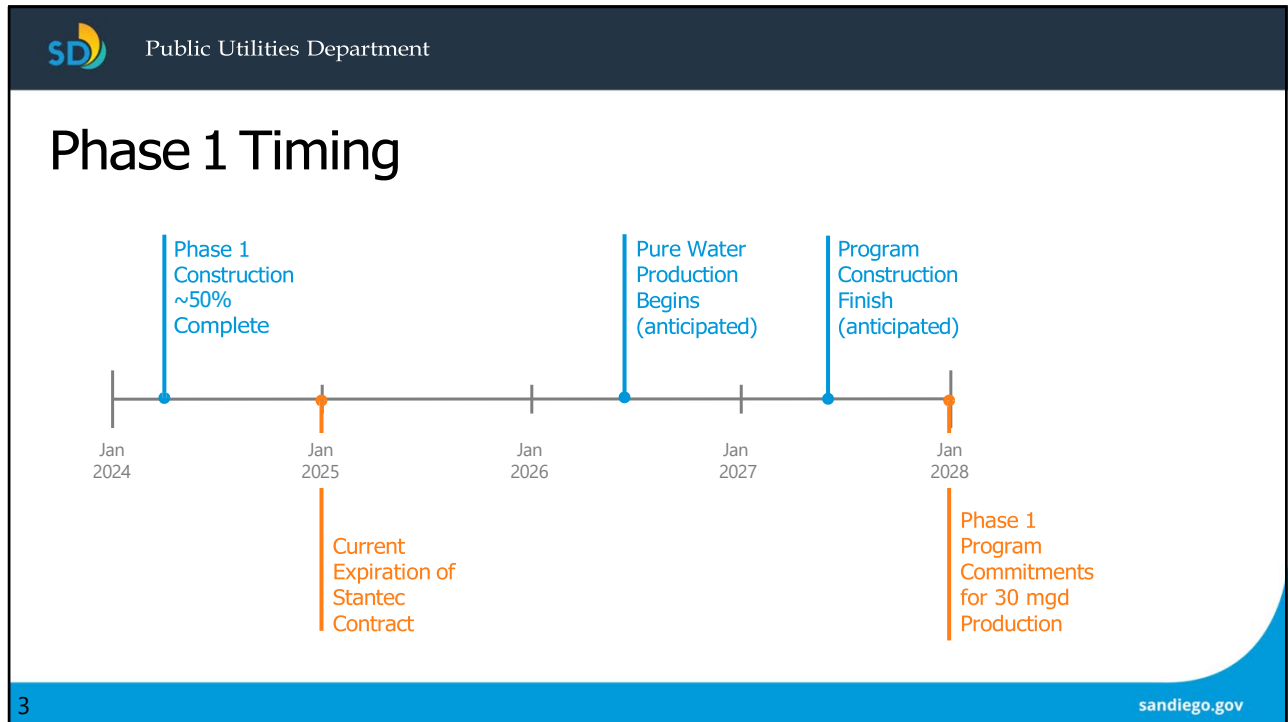
Stantec Contract Terms

- **Initiated: January 2015**
- **Expires: January 5, 2025**
- **Original authorization: \$30M**
 - **Amendment 1, October 2016: \$16.4M**
 - **Amendment 2, February 2019: \$10M**
 - **Amendment 3, November 2019: \$37.7M, 5 years**
 - **Amendment 4, May 2023: Administrative**
- **Current Contract Value: \$94.1M**
- **Requested Amendment 5: \$34M, 5 years**
- **Proposed Total Contract Amount: \$128.1M**

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SD Public Utilities Department

Stantec Contract Scope

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

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Stantec Contract: Proposed Amendment

- **Continued Program Management, Financial, and Outreach Support (\$17.7M)**
 - Program management, including program controls, project management, engineering support
 - Financial support, including loan reimbursement document preparation
 - Continued outreach services
- **Continued Regulatory Support and Operations Plans (\$3M)**
 - Regulatory coordination for startup, commissioning, and approval
 - Required regulatory documents such as Operations Plan, Operational Ramp-Up Plan, Joint Plan finalization



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Photo by MRGALL

Stantec Contract: Proposed Amendment

- **Additional Technical Studies (\$8.3M)**
 - Miramar readiness and Miramar Reservoir modeling / tracer study
 - North City Water Reclamation Plant O&M staff support and asset management assistance
 - Technical and operations support during partial flow and full flow commissioning
- **COMNET Support (\$5M)**
 - Evaluation of new monitoring and controls system integration into existing systems and assistance with enterprise-wide control strategies

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SD Public Utilities Department

Stantec Contract: Unique Program Support

- **Phase 2 Preparation Planning and Demonstration Plant Design**
- **Industrial Pretreatment Local Limits Studies**
- **Expanded Regulatory Support**
- **COMNET Implementation**

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SD Public Utilities Department

Stantec Contract: Amendment Benefits

- **Maintains program management continuity through Phase 1 completion**
- **Supports the City with the critical start-up and commissioning tasks**
- **Ensures continued regulatory coordination through final approvals**

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Subconsultant Participation

- **Stantec Contract Actual Participation**
 - **Total Small/Emerging Local Business Enterprise (S/ELBE) Participation = 22.2%**
 - **Total Certified Participation = 28.7%**
 - **Total Subconsultants = 65.5%**



Data as of 05/15/2024



Stantec Contract: Amendment Breakdown

Total Requested Amendment: \$34M

Total Contract Value (w Amendment): \$128.1M*

**Consistent with CMAA Median for PMCM Services: Utility Design-Bid-Build Programs*





Requested Actions:

- ✓ **1. Authorization to execute the Fifth Amendment to the Agreement with Stantec, Inc., for As-Needed Engineering Technical Services for an amount not-to-exceed \$34,000,000, increasing the total not-to-exceed amount of the Agreement to \$128,100,000, and extending the contract term an additional five years**
- ✓ **2. Authorization to expend an amount not-to-exceed \$128,100,000 in total over the term of this Agreement from Water Utility Operating Fund (700011), Water Utility CIP Fund (700010), Metro Sewer Operating Fund (700001), and Metro Sewer CIP Fund (700009)**

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Questions



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METRO JPA/TAC
Staff Report
Date: July 11, 2024

Project Title:
 Second Amendment to the Contract with Patriot Environmental Services for Removal and Transport of Grit, Sludge, Scum, Vivianite, and Stormwater

Presenter(s) Name:
 Craig Boyd

Presenter(s) Title:
 Deputy Director

Requested Action:
 Metro JPA/Metro Commission authorization for a Second Amendment to the Contract with Patriot Environmental Services to expend \$55,512.27 for the amount paid after contract expiration and \$27,394.95 for the outstanding amount due.

Recommendations:
 Approve the Metro expenditure request and forward to the Metro Commission.

Metro TAC:	To be submitted for consideration
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:	Metro: \$168,219 paid to vendor after the contract expired and provides \$83,015 for remaining amount outstanding. Muni: \$0
Fiscal impact to the Metro JPA:	\$55,512.27 for the amount paid after contract expiration and \$27,394.95 for the outstanding amount due. Total: \$82,907.22.

Capital Improvement Program:

New Project?	Yes <input type="checkbox"/> No <input checked="" 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:
 N/A

Additional/Future Action:
 Anticipated for City Council Environmental Committee Meeting in July 2024.

City Council Action:
 Anticipated for September 2024

Background: *Provide background information on the need for the project*
 The Public Utilities Department (PUD) contracts with a private company to assist with cleaning pipes, tanks, and other infrastructure of debris such as vivianite; a byproduct created with the use of an iron salt (Ferric Chloride) at the Point Loma Wastewater Treatment Plant to control Hydrogen Sulfide and to perform chemically enhanced primary treatment. Patriot Environmental assisted the plant with jetting pipes to clear vivianite which was transported to a bin at the plant for disposal, along with sludge, scum and stormwater that was transported to the plant's headworks for processing.

On October 3, 2016, the City issued an Invitation to Bid (10079310-17-K) to procure the removal and transport of grit, sludge, scum, vivianite, and stormwater at the Point Loma Wastewater Treatment Plant, and the South Bay and North City Water Reclamation Plants. The City executed a contract with Patriot Environmental Services effective December 16, 2016 through December 15, 2021.

Expenditures continued after the contract expiration period due to the essential need of Patriot Environmental services at the Point Loma Wastewater Treatment Plant.

Currently there remains an outstanding balance of \$83,015 for services performed at the Point Loma Wastewater Treatment Plant between December 20, 2021, and April 21, 2022, requiring additional payment.

In January 2023, PUD identified a number of contracts that required retroactive approval for payments for services rendered after the end of the contract. Many of these were previously brought to Council. This contract was identified during that same effort but required additional time to work through details with the vendor for the second amendment to address the work completed after the contract expiration. This request is to amend the contract, extending its term to encompass the period of continued service provision and ratifying the payments already disbursed (\$168,219) and authorization for the outstanding balance (\$83,015) to facilitate settlement for the services rendered.

Discussion: *Provide information on decisions made to advance the project*
These are operational and regulated items within the wastewater treatment process.

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

Public Utilities Department

Second Amendment to the Contract with Patriot Environmental Services for Removal and Transport of Grit, Sludge, Scum, Vivianite, and Stormwater

Metro TAC
July 17, 2024



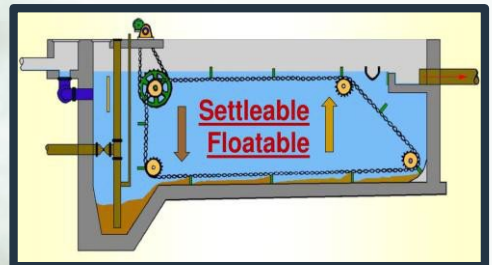
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Public Utilities Department

Background

- Wastewater settles in primary sedimentation tanks. Heavy organic materials sink to the bottom (sludge), and light materials (fats, oils, grease) float to the top (scum)
 - If sludge is not removed from primary sedimentation tanks, the plant would not achieve the required total suspended solids and biological oxygen demand required by the National Pollutant Discharge Elimination System (NPDES) permit
 - If scum is not removed from wastewater facilities, it can block wastewater from flowing properly



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Background

- Vivianite is a crystal formation that can form in wastewater treatment plants due to the addition of iron salts such as Ferric Chloride to control Hydrogen Sulfide
- Vivianite can develop in pipelines and cause clogged pumps and lines, reduction of the flow rates, and require maintenance in other areas and equipment



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Background

- Patriot Environmental Services was contracted to provide removal and transport of grit, sludge, scum, vivianite, and stormwater from Wastewater facilities
- The contract was effective December 16, 2016 through December 15, 2021. However, work continued at the Point Loma Wastewater Treatment Plant through April 21, 2022
- \$168,219 was paid to vendor after the contract expired, and \$83,015 remains outstanding



Point Loma Sludge



Vivianite

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Second Amendment

- Extends the contract term from December 16, 2021 through April 21, 2022
- Retroactively approves \$168,219 paid to vendor after the contract expired and provides \$83,015 for remaining amount outstanding. The total not to exceed amount for the contract is \$2,888,131.68
- Metro JPA amount (33%) is \$55,512.27 for the amount paid after contract expiration and \$27,394.95 for the outstanding amount due. Total: \$82,907.22

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Requested Action

- Approve the Metro expenditure

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QUESTIONS



METRO JPA/TAC
Staff Report
Date: July 11, 2024

Project Title:

Third Amendment to the Contract with Veolia WTS Services USA, Inc to provide Electrodialysis Reversal System Maintenance

Presenter(s) Name:

Craig Boyd

Presenter(s) Title:

Deputy Director

Requested Action:

Metro JPA/Metro Commission authorization for a Third Amendment to the Contract with Veolia WTS Services USA, Inc. to expend \$17,784.36 for the outstanding amount due, and \$62,618.49 for amount paid after contract expiration.

Recommendations:

Approve the Metro expenditure request and forward to the Metro Commission.

Metro TAC:	To be submitted for consideration
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:	Metro: \$53,892 paid after contract expired and \$189,753 for remaining amount outstanding. Muni: \$0
Fiscal impact to the Metro JPA:	\$17,784.36 for amount paid after contract expiration, and \$62,618.49 for the outstanding amount due. Total:\$80,402.85.

Capital Improvement Program:

New Project?	Yes <input type="checkbox"/> No <input checked="" 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:

N/A

Additional/Future Action:

Anticipated for City Council Environmental Committee Meeting in July 2024.

City Council Action:

Anticipated for September 2024

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

The Public Utilities Department (PUD) utilizes electrodialysis reversal (EDR) systems at South Bay Water Reclamation Plant (SBWRP) and North City Water Reclamation Plant (NCWRP), which are operated by the Wastewater Treatment and Disposal Division. The EDR contract provides equipment, parts, and technical services for work on the EDRs used to reduce total dissolved solids such as salinity to meet regulatory requirements for the production of recycled water.

On December 2, 2016, the City issued RFP 10073274-17-K to procure EDR system maintenance at SBWRP and NCWRP. The City executed a contract effective September 5,

2017, through September 4, 2022, with GE Mobile Water, Inc. (later acquired by Suez WTS Services USA, Inc. and currently owned by Veolia WTS Services USA, Inc.). At the end of the contract period the monthly rates were \$14,579.74 for SBWRP and \$25,689.45 for NCWRP.

Expenditures continued after the contract expiration period due to the essential need for the EDR systems to operate at both locations spanning from September 5, 2022, to January 25, 2023. In October 2022, the vendor submitted a proposal outlining new monthly rates for services at the SBWRP and NCWRP facilities, that were intended to be used in a sole source agreement. Services continued and it was later determined that a sole source had not been secured.

Currently there remains an outstanding balance of \$189,753 for services performed (\$35,928 attributed to SBWRP and \$153,825 to NCWRP) between September 2022 and January 2023, requiring additional payment. No services have been performed by the vendor since January 2023 and plant staff have been scheduling activities to keep the EDR systems available as much as possible without the specialized technical services, equipment or parts from the vendor. Staff expects to return to Council with a new contract this fiscal year.

In January 2023, PUD identified a number of contracts that required retroactive approval for payments for services rendered after the end of the contract. Many of these were previously brought to Council. This contract was identified during that same effort but required additional time to work through details with the vendor for the second amendment to address the work completed after the contract expiration. This request is to amend the contract, extending its term to encompass the period of continued service provision and ratifying the payments already disbursed (\$53,892) and authorization for the outstanding balance (\$189,753) to facilitate settlement for the services rendered.

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

These are operational and regulated items within the wastewater treatment process.

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

N/A

Public Utilities Department

Third Amendment to the Contract with Veolia WTS Services USA, Inc. to Provide Electrodialysis Reversal System Maintenance

Metro TAC
July 17, 2024



1



Public Utilities Department

Background

- Electrodialysis reversal (EDR) is used to remove total dissolved solids from reclaimed water to meet the regulatory requirements
- Veolia was contracted to provide EDR services at the North City Water Reclamation Plant and South Bay Water Reclamation Plant
- The contract was effective September 5, 2017 through September 4, 2022. However, work continued through January 25, 2023
- \$53,892 was paid to vendor after the contract expired, and \$189,753 remains outstanding



EDR at NCWRP

2

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2



Third Amendment

- Extends the contract term from September 5, 2022 through January 25, 2023
- Retroactively approves \$53,892 paid to vendor after the contract expired and provides \$189,753 for remaining amount outstanding. The total not to exceed amount for the contract is \$2,207,204.68
- Metro JPA amount (33%) is \$17,784.36 for amount paid after contract expiration, and \$62,618.49 for the outstanding amount due. Total: \$80,402.85

3

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3



Requested Action

- Approve the Metro expenditure

4

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4



QUESTIONS



JULY 2024

EXHIBIT B, POOL CAPACITY, AND AUTOMATIC TRANSFERS

EXHIBIT B

EXHIBIT B CONTRACT CAPACITIES

Annual Average Daily Flow in Millions of Gallons Per Day

Metro Agency	Original Contract Capacity	Additional Contract Capacity	New Contract Capacity	Transferred Contract Capacity	Total Contract Capacity	Percent of Total
Chula Vista	19.843	1.021	0.000	0.000	20.864	8.182%
Coronado	3.078	0.172	0.000	0.000	3.250	1.275%
Del Mar	0.821	0.055	0.000	0.000	0.876	0.344%
East Otay Mesa*	0.000	0.000	0.000	1.000	1.000	0.392%
El Cajon	10.260	0.655	0.000	0.000	10.915	4.280%
Imperial Beach	3.591	0.164	0.000	0.000	3.755	1.473%
La Mesa	6.464	0.359	0.000	0.170	6.993	2.742%
Lakeside-Alpine*	4.586	0.255	0.000	0.000	4.841	1.898%
Lemon Grove	2.873	0.154	0.000	0.000	3.027	1.187%
National City	7.141	0.346	0.000	0.000	7.487	2.936%
Otay	1.231	0.056	0.000	0.000	1.287	0.505%
Padre Dam	6.382	0.343	0.000	(0.500)	6.225	2.441%
Poway	5.130	0.264	0.000	0.500	5.894	2.312%
Spring Valley/ Otay Ranch*	10.978	0.545	0.000	(1.170)	10.353	4.060%
Wintergardens*	1.241	0.068	0.000	0.000	1.309	0.513%
Subtotal	83.619	4.459	0.000	0.000	88.078	34.540%
San Diego	156.381	10.541	0.000	0.000	166.922	65.460%
Total	240.000	15.000	0.000	0.000	255.000	100.00%

EXHIBIT G (EXISTING ARA)

EXHIBIT G
PURE WATER CAPITAL BILLING TABLE

1 Agency	2 Estimated Average Daily Flow (MGD)	3 Net Offload For Padre Dam Project (MGD)	4 Projected Metro Flow 2050 (MGD)		6 COD Applied to 2050 Flows (mg/l)	7 COD Applied to 2050 Flows (lb/day)	8 Percent COD Contributed	9 SS Applied to 2050 Flows (mg/l)	10 SS Applied to 2050 Flows (lb/day)	11 Percent SS Contributed	12 Pure Water Capital Merged Percentage ³
			Flow	%							
Chula Vista	18.33	0	18.33	11.601%	701.947	107377.684	11.889%	250.011	38244.530	11.701%	11.699%
Coronado	1.9	0	1.9	1.202%	587.457	9314.884	1.031%	241.493	3829.176	1.172%	1.152%
Del Mar	0.031	0	0.031	0.020%	542.195	140.270	0.016%	305.112	78.935	0.024%	0.020%
East Otay Mesa (County) ¹	1.788	0	1.788	1.132%	621.049	9267.041	1.026%	240.016	3581.421	1.096%	1.096%
El Cajon	7.8	7.0	0.805	0.510%	650.914	4373.460	0.484%	236.265	1587.450	0.486%	0.497%
Imperial Beach	2.473	0	2.473	1.565%	540.757	11160.249	1.236%	205.193	4234.820	1.296%	1.411%
La Mesa	5.03	0	5.03	3.183%	523.099	21958.348	2.431%	197.537	8292.107	2.537%	2.823%
Lakeside/Alpine (County) ¹	4.619	4.4	0.260	0.165%	638.686	1387.995	0.154%	197.667	429.570	0.131%	0.153%
Lemon Grove	2.4	0	2.4	1.519%	593.836	11893.920	1.317%	203.567	4077.236	1.247%	1.395%
National City	4.65	0	4.65	2.943%	685.192	26589.642	2.944%	219.881	8532.740	2.611%	2.852%
Otay Water District	0.38	0	0.38	0.240%	1442.632	4574.952	0.507%	818.053	2594.253	0.794%	0.457%
Padre Dam	2.486	1.8	0.696	0.441%	696.892	4049.236	0.448%	251.288	1460.088	0.447%	0.444%
Poway	3.101	0	3.101	1.963%	563.551	14584.185	1.615%	243.460	6300.522	1.928%	1.869%
Spring Valley (County) ²	6.231	0	6.231	3.944%	597.292	31059.332	3.439%	235.079	12224.151	3.740%	3.765%
Wintergardens (County) ¹	0.979	0.9	0.074	0.047%	633.136	392.817	0.043%	208.768	129.526	0.040%	0.044%
San Diego	109.855	0	109.855	69.526%	703.556	645009.168	71.419%	252.229	231239.253	70.751%	70.323%
Total	172.053	14.048	158.005	100%	10722.190	903133.183	100%	4305.618	326835.778	100%	100%

¹ Subareas of the San Diego County Sanitation District

² Includes Otay Ranch (0.87 mgd) and Spring Valley (5.361 mgd). Flow from Otay Ranch that would flow to Metro through Chula Vista pipelines.

³ These fractions used to calculate the melded percentage: (Based on 5 year average and not subject to change except by agreement of the parties.)

FLOW	SS	COD
0.482	0.275	0.243

PROPOSED EXHIBIT B

DISTRIBUTION OF WASTEWATER SYSTEM CAPACITY RIGHTS							
AGENCY	ANNUAL FIXED CAPACITY RIGHTS						
	1	2	3	4	5	6	7
	Average Flow, MGD	Incremental Peak Flow, MGD	RSPD, MGD	Total Allowable Flow, MGD	TSS, 1,000 lbs.	COD, 1,000 lbs.	Pure Water Phase 1
Chula Vista	18.33	19.52	0	37.85	22,082	38,419	11.699%
Coronado	1.90	3.03	0	4.93	2,089	3,336	1.152%
Del Mar	0.05	0.55	0	0.60	59	68	0.020%
East Otay Mesa	1.79	3.48	0	5.27	1,915	3,336	1.096%
El Cajon	1.29	19.93	0.6	21.82	2,196	3,052	0.497%
Imperial Beach	2.47	4.48	0	6.95	2,045	3,844	1.411%
La Mesa	5.29	23.90	0	29.19	4,668	9,636	2.823%
Lakeside/Alpine	0.07	1.56	0.5	2.13	238	293	0.153%
Lemon Grove	2.40	4.51	0	6.91	2,289	4,387	1.395%
National City	4.65	3.07	0	7.72	4,562	9,161	2.852%
Otay	0.38	0.57	0	0.95	984	835	0.457%
Padre Dam	0.04	10.45	0.3	10.79	126	153	0.444%
Poway	3.10	8.80	0	11.90	3,113	5,073	1.869%
Spring Valley	6.23	4.56	0	10.79	6,551	11,496	3.765%
Wintergardens	0.02	1.56	0.1	1.68	51	62	0.044%
SUBTOTAL	48.0	110.0	1.5	159.5	52,967	93,150	29.677%
San Diego							
Wastewater	124.05	136.16	0	260.21	130,032	252,818	70.323%
Water	0	0	14.3	0.00	0	0	0
SUBTOTAL	124.1	136.2	14.3	260.2	130,032	252,818	70.323%
Metro I&I	-	82	-	82	-	-	-
TOTAL	172.1	328.1	15.8	501.7	182,999	345,968	100%

INCREMENTAL PEAK FLOW

DISTRIBUTION	
AGENCY	2
	Incremental Peak Flow, MGD
Chula Vista	19.52
Coronado	0.00
Del Mar	
East Otay Mesa	
El Cajon	
Imperial Beach	
La Mesa	
Lakeside/Alpine	
Lemon Grove	
National City	
Otay	
Padre Dam	
Poway	
Spring Valley	
Wintergardens	
SUBTOTAL	110.0
San Diego	
Wastewater	136.16
Water	0
SUBTOTAL	136.2
Metro I&I	82
TOTAL	328.1

Based on Peak Hour Flow

Plant	Peak Flow Capacity, mgd	
	After Phase 1	After Phase 2
PLWWTP	432	432
NCWRP	53	53
SBWRP	30	30
CAWRP	-	69
ECAWP	15	15
Chapman	1	1
Total	531	600
Metro Average Flow	172.1	172.1
East County Flow	15	15
Otay Flow	1	1
Brine	15.8	15.8
Centrate	6.5	6.5
Reclaimed Fail Safe NC	17	17
Inc. Peak Flow Cap	288.6	357.6
Incremental Peak Flow	328.1	328.1
Pool	-24.5	44.5
With System Storage	10	34.5

Storing in system to handle peak hours

14.5 mgd at South Bay
20 mgd at PLWWTP
10 mgd Transferred to Avg Pool

AVERAGE FLOW

AGENCY	1 Average Flow, MGD
Chula Vista	
Coronado	
Del Mar	
East Otay Mesa	
El Cajon	
Imperial Beach	
La Mesa	
Lakeside/Alpine	
Lemon Grove	
National City	
Otay	
Padre Dam	
Poway	
Spring Valley	
Wintergardens	
SUBTOTAL	48.1
San Diego	
Wastewater	124.05
Water	0
SUBTOTAL	124.1
Metro I&I	-
TOTAL	172.1

Exhibit G Flow

2019 Audit Plus 5'

East County Derived Numbers

Plant	Average Flow Capacity, mgd	
	After Phase 1	After Phase 2
PLWWTP	240	240
NCWRP	53	53
SBWRP	15	15
CAWRP	-	69
ECAWP	15	15
Chapman	1	1
Total	324	393
Used PLWWTP for Inc Peak	96.6	121.1
East County Flow	15	15
Otay Flow	1	1
Brine	15.8	15.8
Centrate	6.5	6.5
Reclaimed Fail Safe NC	17	17
▶ Metro Avg Flow	172.1	172.1
Pool	0	0
Pool Available with Storage	0	10

COD

AGENCY	6
	COD, 1,000 lbs.
Chula Vista	38,419
Coronado	3,336
Del Mar	68
East Otay Mesa	3,336
El Cajon	3,052
Imperial Beach	3,844
La Mesa	9,636
Lakeside/Alpine	293
Lemon Grove	4,387
National City	9,161
Otay	835
Padre Dam	153
Poway	5,073
Spring Valley	11,496
Wintergardens	62
SUBTOTAL	93,150
San Diego	
Wastewater	252,818
Water	0
SUBTOTAL	252,818
Metro I&I	-
TOTAL	345,968

Assumed Average Flow = 240 mgd at PLWWTP + 53 mgd (NCWRP) + 7 MGD (SBWRP) = 300 mgd

Averaging Period	2011	2012	2013	2014	2015	2016	2011-2016 Average
Average Annual BOD, mg/L	251	268	271	286	315	326	286

$$\begin{aligned}
 &TTTTTTTTT \ CCCCC \ CCTTCCTCCCTTCC = AAAAAAATTAATAA \ FTTTTTF * IIIIIITIIAAIIT \ BBCCCC / RRTTTCCTT \ CCCCC \ TTTT \ BBCCCC \\
 &= (300 \ MMMMCC * 3.785 \ LL/AA \ TTTT * 286 \ mm \ AA/LL \div 456,592 \ TT \ bb/mm \ AA) / 0.7 * 365 \ ddTTCdd \\
 &= 373,539 \ TTtTTIIddTIIId \ CCTTIIIdddd
 \end{aligned}$$

$$\begin{aligned}
 &CCCCC \ PPTTTTT \ CCTTCCTCCCTTCC = TTTTTTTTT \ CCCCC \ CCTTCCTCCCTTCC - AAdddCCAIIAAdd \ CCCCC \ CCTTCCTCCCTTCC \\
 &= 373,539 \ TTtTTIIddTIIId \ CCTTIIIdddd - 345,968 \ TTtTTIIddTIIId \ CCTTIIIdddd \\
 &= 27,571 \ TTtTTIIddTIIId \ CCTTIIIdddd
 \end{aligned}$$

East County Derived Numbers

Derived numbers from flow column and 2019 audit data for strength

TSS

CITY RIGHTS	
AGENCY	Y RIGHTS
	TSS, 1,000 lbs.
Chula Vista	22,082
Coronado	2,089
Del Mar	59
East Otay Mesa	1,915
El Cajon	2,196
Imperial Beach	2,045
La Mesa	4,668
Lakeside/Alpine	238
Lemon Grove	2,289
National City	4,562
Otay	984
Padre Dam	126
Poway	3,113
Spring Valley	6,551
Wintergardens	51
SUBTOTAL	52,967
San Diego	
Wastewater	130,032
Water	0
SUBTOTAL	130,032
Metro I&I	-
TOTAL	182,999

Assumed Average Flow = 240 mgd at PLWWTP + 53 mgd (NCWRP) + 7 MGD (SBWRP) = 300 mgd

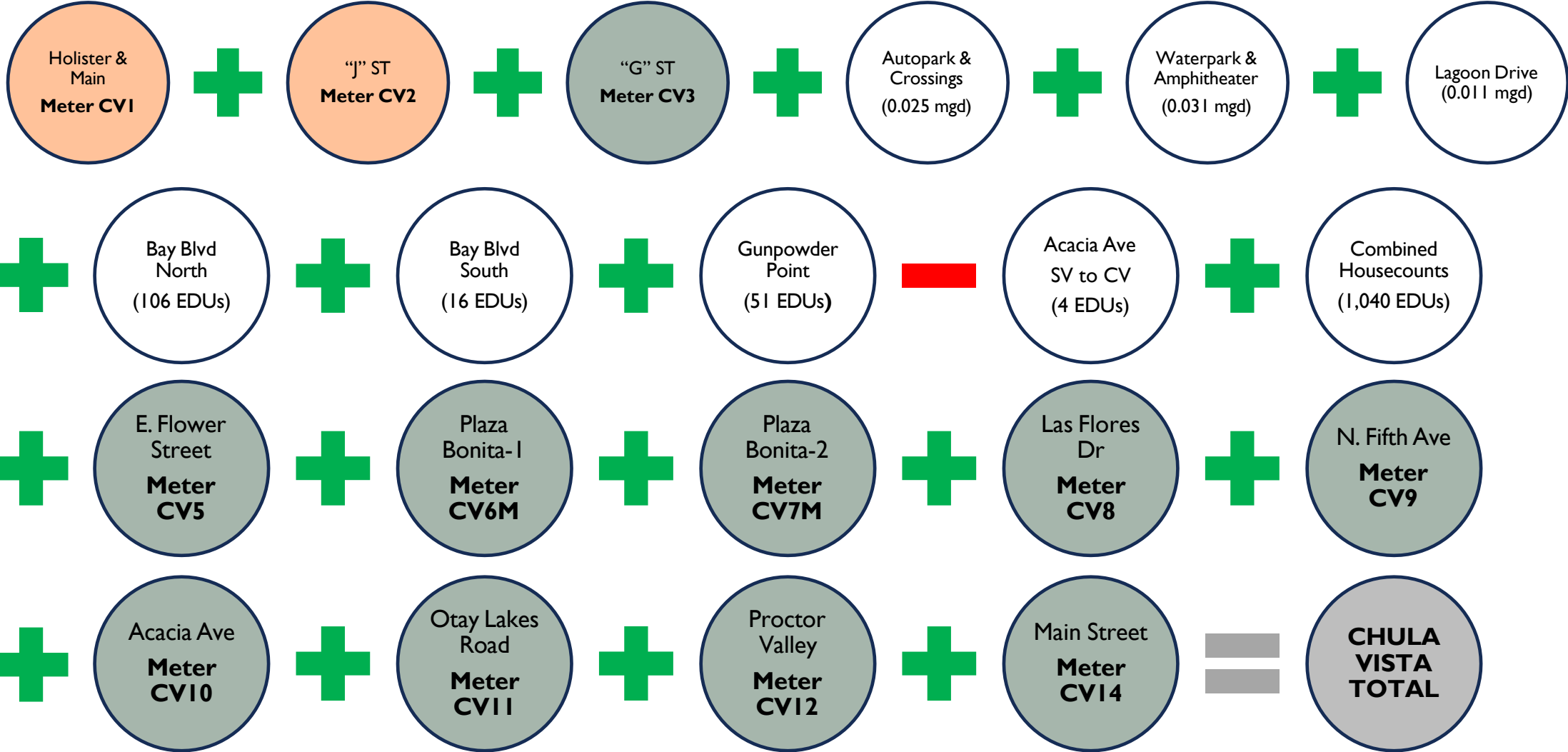
Averaging Period	2011	2012	2013	2014	2015	2016	2011-2016 Average
Average Annual BOD, mg/L	273	288	293	320	329	353	309

$$\begin{aligned}
 &TTTTTTTTT TTTTTT CCTTCCTCCCCTTCC = AAAAAAATTAATAA FFTTTTFF * IIIIITTHIAANTT BBCCCC \\
 &= (297 MMMMCC * 3.785 LL/AA TTTT * 309 mm AA/LL \div 456,592 TT bb/mm AA) \\
 &* 365 ddTTCCdd \\
 &= 279,819 TTtTTIIddTTHIId CCTTHIIIdddd \\
 &TTTTT PTTTTTT CCTTCCTCCCCTTCC \\
 &= TTTTTTTTTT TTTTTT CCTTCCTCCCCTTCC - AAddddCCAIIAAdd TTTTTT CCTTCCTCCCCTTCC \\
 &= 279,819 TTtTTIIddTTHIId CCTTHIIIdddd - 182,999 TTtTTIIddTTHIId CCTTHIIIdddd \\
 &= 96,820 TTtTTIIddTTHIId CCTTHIIIdddd
 \end{aligned}$$

East County Derived Numbers

Derived numbers from flow column and 2019 audit data for strength

CHULA VISTA FLOW FORMULA



CHULA VISTA PEAK FLOW

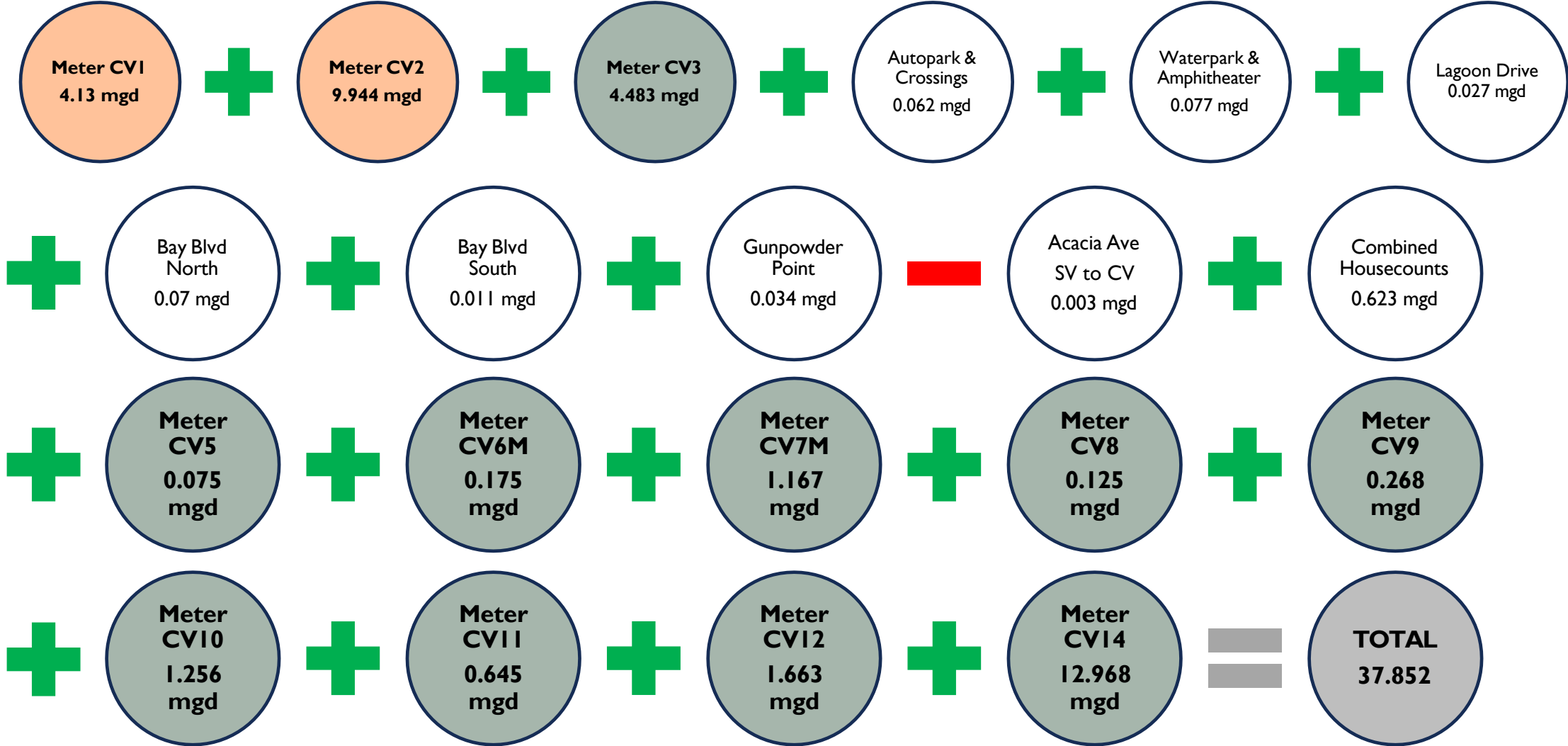
1. The largest meter for Chula Vista is CV14
2. For the chosen period when Point Loma peaks takes 48 hours (in this case the April 2020 storm)
3. Find the hour where the largest meter (CV14) peaks. In this case 5pm on 4/10/2020
4. Use that hour to calculate the peak flow

Formula:	+	
	Main	4/11/2020 0:00
	Street	4/11/2020 1:00
EDU >>>	Meter (CV14)	4/11/2020 2:00
		4/11/2020 3:00
		4/11/2020 4:00
		4/11/2020 5:00
		4/11/2020 6:00
		4/11/2020 7:00
		4/11/2020 8:00
		4/11/2020 9:00
		4/11/2020 10:00
		4/11/2020 11:00
		4/11/2020 12:00
		4/11/2020 13:00
		4/11/2020 14:00
		4/11/2020 15:00
		4/11/2020 16:00
		4/11/2020 17:00
		4/11/2020 18:00
		4/11/2020 19:00
		4/11/2020 20:00
		4/11/2020 21:00
		4/11/2020 22:00
		4/11/2020 23:00
		Max mgd
		Avg mgd
		Min mgd

4/10/2020 0:00	5.671
4/10/2020 1:00	4.677
4/10/2020 2:00	5.187
4/10/2020 3:00	3.871
4/10/2020 4:00	3.227
4/10/2020 5:00	3.415
4/10/2020 6:00	3.534
4/10/2020 7:00	4.232
4/10/2020 8:00	5.822
4/10/2020 9:00	6.776
4/10/2020 10:00	8.295
4/10/2020 11:00	10.712
4/10/2020 12:00	10.885
4/10/2020 13:00	11.053
4/10/2020 14:00	10.645
4/10/2020 15:00	10.810
4/10/2020 16:00	12.642
4/10/2020 17:00	12.968
4/10/2020 18:00	12.287
4/10/2020 19:00	12.019
4/10/2020 20:00	11.754
4/10/2020 21:00	11.300
4/10/2020 22:00	10.482
4/10/2020 23:00	9.521

Formula:	+	+	+	+	+	+	+	+	+	-	+	+	+	+	+	+	+	+	+	=	=	
	Hollister			Autopark & Crossings	Waterpark & Amphitheater	Lagoon Drive	Bay Blvd North	Bay Blvd South	Gunpowder Point	Acacia Ave (SV to CV)	Combined Housecounts	E. Flower Street	Plaza Bonita-1	Plaza Bonita-2	Las Flores Dr	N. Fifth Ave	Acacia Ave	Otay Lakes Rd	Proctor Valley	Main Street	Subtotal Chula Vista	TOTAL
EDU >>>	Meter (CV1)	Meter (CV2)	Meter (CV3)	0.025 mgd	0.031 mgd	0.011 mgd	106.00	16.00	51.00	4.00	1040.00	Meter (CV5)	Meter (CV6M)	Meter (CV7M)	Meter (CV8)	Meter (CV9)	Meter (CV10)	Meter (CV11)	Meter (CV12)	Meter (CV14)	To Spr. Val.	MGD
4/10/2020 17:00	4.130	9.994	4.483	0.062	0.077	0.027	0.070	0.011	0.034	0.003	0.623	0.075	0.175	1.167	0.125	0.268	1.256	0.645	1.663	12.968	5.994	37.852

CHULA VISTA PEAK FLOW



SARA LANGUAGE

4.4.3.1 Automatic Contract Capacity Transfers – Increases in Fixed Capacity Components. Beginning in the next fiscal year after the effective date of this Agreement, if a Party's Average Flow, annual average pounds per day of COD, annual average pounds per day of TSS, Incremental Peak Flow, or RSDP, exceed past any one of its Projected 2050 Strength and Flow Amounts, which are set forth in Exhibit B, by any one of the following triggers: (1) Three percent (3%) for any two consecutive fiscal years, (2) One MGD for any two consecutive fiscal years, or (3) The equivalent Strength of one MGD for any two consecutive fiscal years; then, the City shall prepare an amendment to Exhibit B that reflects an Automatic Contract Capacity Transfer for that Party based on the available information about such Party's exceedance(s) and other relevant information using sound engineering principles and the guidelines set forth in Exhibit E [methodology for automatic contract capacity transfers]. The City shall thereafter amend Exhibit B to reflect the new Projected 2050 Strength and Flow Amounts for all Parties upon the City's Administrative Approval and shall provide written notice of the amendment to all Parties no later than thirty (30) days after amending Exhibit B. The City shall reflect the amendment in the List of Exhibits, and shall keep an updated version of Exhibit B on file with the City Public Utilities Department. Any changes to the guidelines in Exhibit E shall be made pursuant to the Administrative Review Process describe in Section 15.

4.4.3.2 Contract Capacity Transfers – Decreases in Fixed Capacity Components. Beginning in the next fiscal year after the effective date of this Agreement, if a Party can show through an independent report that its Average Flow, annual average pounds per day of COD, annual average pounds per day of TSS, Incremental Peak Flow, or RSDP is projected to decrease ten percent (10%) or more below their Projected 2050 Strength and Flow Amounts using data from a minimum of three (3) consecutive prior fiscal years as support, then City shall prepare a proposed amendment to Exhibit B that reflects the new Projected 2050 Strength and Flow Amounts for all Parties based on such Party's decrease and other relevant information using sound engineering principles and the guidelines set forth in Exhibit E [methodology for automatic contract capacity transfers]. The City's proposed amendment shall be subject to the Two-Party Approval Process. If approved, the City shall thereafter amend Exhibit B to reflect the new Projected 2050 Strength and Flow Amounts for all Parties and shall provide written notice of the amendment to all Parties no later than thirty (30) days after amending Exhibit B. The City shall reflect the amendment in the List of Exhibits, and shall keep an updated version of Exhibit B on file with the City Public Utilities Department. Any changes to the guidelines in Exhibit E shall be made pursuant to the Administrative Review Process describe in Section 15.

Construction Package	Projected/Actual Bid Date	Projected/Actual Contractor Notice-To-Proceed	Contractor Substantial Completion ⁽³⁾	Percent Complete (G = F / E)	Updated Engineer's Estimate	Bid Award ⁽¹⁾ (A)	Change Orders ⁽²⁾ (B)	Total Contract (Including Change Orders)			Paid to Date ⁽²⁾ (F)	Construction Company
								Water (C)	Wastewater (D)	Total Contract (E = A + B)		
Early Sitework	October 18, 2018	May 22, 2019	July 27, 2021	100%	\$16,403,300	\$16,403,300	\$1,184,211	\$4,546,855	\$13,040,656	\$17,587,511	\$17,587,511	Shimmick
NC Pure Water Facility & NC Pure Water Pump Station	August 7, 2020	April 19, 2021	March 17, 2025	66%	\$455,704,000	\$356,681,930	\$11,639,414	\$368,321,344	\$0	\$368,321,344	\$242,879,380	Shimmick
Morena Northern Alignment & Tunnels	August 17, 2020	June 14, 2021	September 3, 2024	53%	\$98,936,360	\$95,243,645	\$9,115,042	\$20,461,074	\$83,897,613	\$104,358,687	\$55,108,188	OHL USA, Inc
Morena Wastewater Pump Station	October 21, 2020	June 14, 2021	February 3, 2026	63%	\$109,700,000	\$110,386,350	\$21,864,904	\$58,674	\$132,192,580	\$132,251,254	\$82,902,806	Flat Iron West
NC Pure Water Pipeline and Dechlorination Facility & Subaqueous Pipeline	November 30, 2020	June 1, 2021	April 21, 2025	64%	\$138,010,000	\$123,456,027	-\$10,890,336	\$112,565,691	\$0	\$112,565,691	\$71,581,884	W.A. Rasic Construction Company, Inc.
NCWRP Expansion & PWF Influent Conveyance	December 16, 2020	August 4, 2021	April 16, 2026	39%	\$208,660,000	\$255,138,000	\$4,913,987	\$138,085,688	\$121,966,299	\$260,051,987	\$100,200,308	Kiewit Infrastructure West Co.
NC MBC Improvements	February 9, 2020	September 15, 2021	March 12, 2025	69%	\$40,384,677	\$40,086,690	\$2,586,469	\$0	\$42,673,159	\$42,673,159	\$29,479,874	PCL Construction, Inc.
NCWRP EQ Basins	May 11, 2021	December 6, 2021	December 5, 2023	26%	\$10,540,000	\$11,886,000	\$11,637	\$0	\$11,897,637	\$11,897,637	\$3,036,429	Kiewit Infrastructure West Co.
Morena Conveyance Southern & Middle	December 28, 2021	October 3, 2022	July 18, 2025	32%	\$115,954,829	\$129,753,895	\$317,035	\$28,511,002	\$101,559,928	\$130,070,930	\$42,021,831	Sukut Construction, LLC
Miramar Reservoir Pump Station Improvements	March 18, 2022	October 25, 2022	November 21, 2024	60%	\$10,253,000	\$12,692,000	\$339,282	\$13,031,282	\$0	\$13,031,282	\$7,766,563	Shimmick
Miramar Reservoir Automated In-Water Quality Monitoring System (AIWQMS)	February 23, 2021	October 15, 2021	October 15, 2026	54%	\$1,000,000	\$1,000,000	\$0	\$1,000,000	\$0	\$1,000,000	\$538,435	Soundnine Inc.
Penasquitos Pump Station Oxygenation System	September 2, 2022	February 21, 2023	January 3, 2024	10%	\$2,675,000	\$4,391,767	\$0	\$0	\$4,391,767	\$4,391,767	\$444,000	Blue Pacific Engineering & Construction
				55%	\$1,208,221,166	\$1,157,119,604	\$41,081,645	\$686,581,610	\$511,619,639	\$1,198,201,249	\$653,547,208	

Total Approved Change Orders Excluding Scope Removal Change Orders ⁴: \$61,819,585

1. Bid Award values are entered when Notice-of-Intent to Award has been issued.

2. Change order and paid-to-date amounts through March 31, 2024.

3. Projected Substantial Completion is based on the current construction contract date, inclusive of any time-related change orders.

4. Deductive Change Order amounts cannot "refund" Pooled Contingency. North City Pure Water Pipeline had a deductive change order of \$20,737,940 resulting from de-scoping an asbestos-cement replacement group job.

Highlighted projects are necessary for partial flow commissioning.



Monthly Executive Director's Report June 2024

With the beginning of summer and the adoption of the JPA's FY2025 Operating Budget, some Executive Team projects slowed down or were completed. However, several key tasks were ongoing or completed during June:

Key Tasks and Updates:

1. **Final Draft Second Amended and Restated Agreement (SARA) Language Review:**
 - The complete Draft SARA language was reviewed by the Executive Team staff and sent to the City of San Diego management and legal staff for their review and editing.
 - The goal is to complete this process by early August, allowing the Draft SARA Agreement language to be released to the Metro TAC and Metro JPA members at that time.
 - To provide sufficient time for staff and elected officials to review the draft document, SARA will not be agendaized for a formal presentation and open discussion until the October Metro TAC and November JPA/Commission meetings.
2. **FAB Implementation:**
 - Workshops are ongoing for TAC members collectively and individually upon request to address each PA's unique circumstances.
 - A workshop presented by Stantec consultants for the JPA's Board of Directors is planned as the main item at the October JPA/Commission Meeting.
3. **JPA Investment Policy:**
 - The Executive Team's legal and financial staff are drafting policies for the investment of the JPA's reserve funds and operating capital.
 - This draft policy, along with one for electronic fund transfers, is anticipated to be reviewed by the Finance Committee in July or August before moving forward to Metro TAC and the full JPA Board.
4. **Amendment 4 to the Metro Wastewater JPA Agreement Finalized:**
 - As of the end of June, all members of the JPA have approved the Amendment.
 - Two key amendments to the Metro JPA Agreement were unanimously approved:
 - **Section 3.02:** This amendment allows the Metro JPA Board to appoint anyone qualified to be the Treasurer and Auditor, reducing the burden on PA's staff.
 - **Section 3.05:** This amendment removes the requirement that the Metro JPA's legal advisor must also be counsel to one of the PAs, preventing conflicts of interest and allowing the appointment of an external legal advisor.

5. Inflow and Infiltration (I&I) Study:

- The Executive Team's engineering staff have been working to form a TAC working group to develop a scope of work for a comprehensive Regional I&I study.
- To date staff has reviewed all past City of San Diego I&I studies since FY2008 and prepared an agenda for the first meeting. Next steps are coordinating a date for the meeting with the City of San Diego and the TAC members.

6. Review of Pure Water Phase 2 Alternatives:

- The Executive Team has been reviewing Phase 2 Pure Water alternatives that we believe should be included in Stantec's upcoming study. These concepts will be brought to TAC and JPA at a future meeting.

Upcoming Meetings:

• **Metro TAC Meeting:**

- **Date:** July 17, 2024
- **Format:** Hybrid meeting at the City of San Diego's MOC Conference Room 2E, providing an in-person discussion forum with remote participation options.
- **Main Topic:** Discussion on finalizing Exhibit B, peak capacities, and automatic transfers for inclusion in the draft SARA document.

• **Metro JPA/Commission Meeting:**

- **Date:** August 1, 2024
- **Note:** The Metro JPA/Commission traditionally does not meet in September, so the following meeting will be on October 3, 2024.