



METRO TAC AGENDA
(Technical Advisory Committee to Metro JPA)

TO: Metro TAC Representatives and Metro Commissioners

DATE: Wednesday, July 15, 2020

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

LOCATION: The health and well-being of the MetroTAC members/alternates and participating staff during the COVID-19 outbreak remains our top priority. The MetroTAC is taking steps to ensure the safety of all involved by holding its July meeting electronically via Zoom.

An e-mail containing information on how to participate in the meeting will be distributed to the MetroTAC members e-mail list and approved San Diego City Staff by Monday, July 13, 2020 at 5:00 p.m. If you do not receive the e-mail, please contact Lori Peoples at lpeoples@ci.chula-vista.ca.us

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1. Review and Approve MetroTAC Action Minutes for the Meeting of June 17, 2020 (**Attachment forthcoming**)
 2. Metro Commission/JPA Board Meeting Recap (Standing Item)
 3. **REPORT:** Update from Residuals Management Working Group (Dexter Wilson/Scott Tulloch)
 4. **REPORT:** Update – Zoom Training Date- Sample Rejection Protocol (Edgar Patino)
 5. **ACTION:** Consideration and Possible Action to Recommend to the Metro Commission/Metro Wastewater JPA Approval of the FY 2018 Exhibit E Audit (Charles Modica/Edgar Patino) (**Attachment**)
 6. **DISCUSSION:** Consideration of Purchase of Virtual Meeting Platform Software.: Zoom or Microsoft Teams (Roberto Yano/Eric Minicilli)
 7. Metro Wastewater Update (Standing Item) (Edgar Patino)
 8. Metro Capital Improvement Program and Funding Sources (Standing Item) (Tung Phung)
 9. Pure Water Program Update (Standing Item) (John Stuffiebean)
 10. Pure Water Phase II Update (John Stuffiebean/Doug Owen) (**Attachment**)
 11. Financial Update (Standing Item) (Karyn Keese)
 12. IRWMP Update (Standing Item) (Yazmin Arellano)
 13. **REPORT:** Update on Plan B Working Group (Eric Minicilli)
 14. MetroTAC Work Plan (Standing Item) (Roberto Yano) (**Attachment**)

15. Review of Items to be Brought Forward to the Regular Metro Commission/Metro JPA Meeting
(**August 6, 2020**)
16. Other Business of Metro TAC
17. Adjournment ([To the next Regular Meeting August 19, 2020](#))

<u>Metro TAC 2020 Meeting Schedule</u>		
January 15	May 20	September 16
February 19	June 17	October 21
March 18	July 15	November 18
April 15	August 19	December 16

January 15	May 20	September 16
February 19	June 17	October 21
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ATTACHMENT 1

ACTION MINUTES FOR THE MEETING OF JUNE 17, 2020



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

ACTION MINUTES

DATE OF MEETING: June 17, 2020
TIME: 11:00 AM
LOCATION: Zoom Meeting held On Line

MEETING ATTENDANCE:

Roberto Yano, National City
Beth Gentry, Chula Vista
Ed Walton, Coronado
Dennis Davies, El Cajon
Eric Minicilli, Imperial Beach
Hamed Hashemian, La Mesa
Mike James, Lemon Grove
Steven Beppler, Otay WD
Bob Kennedy, Otay WD
Kevin Koeppen, Otay WD
Allen Carlisle, Padre Dam MWD
Mark Niemiec, Padre Dam MWD
Angela Martinez, Poway
Dan Brogadir, County of San Diego

John Stufflebean, City of San Diego
Tom Rosales, City of San Diego
Charlette Strong Williams, City of San Diego
Charles Modica, City of San Diego
Edgar Patino, City of San Diego

Pete Wong, Member of the Public

Dexter Wilson, Wilson Engineering
Scott Tulloch, NV5
Karyn Keese, The Keze Group
Lori Anne Peoples, MetroTAC

1. Review and Approve MetroTAC Action Minutes for the Meeting of May 20, 2020

ACTION: Motion by Dan Brogadir, Seconded by Dennis Davies, the Minutes be approved.
Motion carried unanimously.

2. Metro Commission/JPA Board Meeting Recap

MetroTAC Chair Roberto Yano stated the Metro JPA had passed all items and commended Eric Minicilli and Karyn Keese on an excellent job on presenting the budget and contracts.

Item 3 was heard with Item 7.

3. REPORT: Update from Residuals Management Working Group

4. REPORT: Update from Sample Rejection Protocol Working Group (Zoom Training Date) (Standing Item)

Edgar Patino of City of San Diego stated he would be able to present the training on Either

July 6th or 13th and requested those interested contact him directly.

5. Metro Wastewater Update (Standing Item)

There was no report.

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

Attachments for this item were included in the agenda package. Edgar requested that anyone with questions contact Tung directly.

Steve Beppler of Otay inquired as to when the facility would be operational. Tom Rosales, City of San Diego stated that the Regulatory Board had to end the letter with regulatory approval and they anticipate receiving it very soon.

7. Pure Water Program Update & East County (Residual Agreement) Update

John Stufflebean, Assistant Director City of San Diego reported that the project labor negotiations were nearing completion and the construction schedule will be updated after it is completed. Dexter Wilson of Wilson Engineering reported that he; Scott Tulloch of NV5 and Roberto Yano, MetroTAC Chair had reviewed the draft Residual Agreement with City of San Diego Staff and it looks very promising.

They agreed on 3 major points of concern:

1. Can the 11.5 flow from Padre Dam MWD count towards the 83 mgd cap. The City of San Diego and Padre have worked out an arrangement on this so the answer is YES.
2. Brine Discharge. If the City of San Diego runs a brine line can Padre and East County contribute towards it?
3. Failsafe for weather. They are working through this and it looks like they can come up with something equitable for all.

John Stufflebean, Assistant Director, City of San Diego stated that the City's objective was to try to set up an arrangement where the residuals don't go into the pure water plant and the brine line fixes that. Second, in the future they see an advantage to have a regional brine network so others will have the opportunity to connect as well. Third, they will downsize the central plant to 41.5.

Allen Carlisle, Padre Dam MWD verbally walked everyone through the details and acknowledged Jon Stufflebean, Juan Guerreiro and Shauna Lorange of the City of San Diego for their great assistance, noting that this would be the first mutual objective of meeting long term compliance minimum outfall at Point Loma.

Steve Beppler of Otay Water District inquired as to how the items that differ from the Residuals agreement and the Amended/Restated agreement will be resolved.

Dexter Wilson stated that the list of items in the Amended/Restated Agreement had this as one of the items. The flow amount doesn't change and charts have been done with it in and

with it out. They would amend the charts and put the new charts into the Amended/Restated Agreement. Meetings will be restarted (they were stopped due to Covid19) in the next 6 to 9 months.

Karyn Keese of The Keze Group stated there was a laundry list and they still have to do the formal work plan to work on cost allocation issues and that she will need to be involved in the discussions with Padre Dam MWD and the City of San Diego.

MetroTAC Chair Roberto Yano stated that the Amended/Restated Agreement will need to be revised and they will jump right into that next.

Dexter Wilson noted that this was anticipated as they had wanted to include the cap in the first round. The City of San Diego did not think it was fair to put the full amount in because there would be economies of scale if the City of San Diego built it so some reduction s based on cost savings of the City would occur.

Scott Tulloch of NV5 stated that it seems like from a process perspective, we need to get this approved and move forward from there and then make adjustments for East County.

8. Pure Water Phase 2 Update

John Stufflebean, Assistant Director City of San Diego noted that San Diego State is buying the Stadium and the City of San Diego had had concerns with potential conflicts with Pure Water, however all issues were resolved and an agreement had been reached and is being signed. The concerns pertained to the retainment of an easement where the connection to the inceptor was.

Two workshops are being held for Phase II this week.

Shauna will provide an update at the next TAC meeting.

9. Financial Update

Karyn Keese of The Keze Group stated the budget had been adopted and all contracts/agreements approved at the last JPA meeting. The FY 2018 Exhibit E Audit is pending but hopefully will come through next month followed by a Finance Committee Meeting and the FY 2019 Audit is having samples pulled.

10. IRWMP Update

Dennis Davies, City of El Cajon stated that Yazmin Arellano would provide an update at the next MetroTAC meeting.

11. MetroTAC Work Plan

MetroTAC Chair Roberto Yano stated the report was attached to the agenda. Further, he felt that was a good update on the Residuals Agreement and that he felt the working group should be restarted incase Padre Dam MWD and the County of San Diego cannot sign for some reason. He appointed MetroTAC Vice Chair Minicilli to Chair the subcommittee made up of Beth and Hamed. Dexter, Scott and Roberto will provide the subcommittee with

something they had started on.

12. Review of Items to be Brought Forward to the Regular Metro Commission/Metro Wastewater JPA Meeting on July 2, 2020

MetroTAC Chair Roberto Yano stated that update on the Residuals Agreement would be brought forward.

13. Other Business of MetroTAC

Mike James, City of Lemon Grove inquired as to whether the original documentation letter was to be tabled.

Consensus was that it needed to be updated to current status and ready to file. Mike James responded that he was pending responses from 3 of the PAs and will forward it to La Mesa to finalize.

MetroTAC Chair Roberto Yano requested Beth and anyone else send their strike out additions/deletions to Mike James. Mike James stated he would set up a letter meeting for discussion and that each entity could provide their own letter should they choose.

14. Adjournment to the Next Regular Meeting July 15 2020

There being no further business, MetroTAC Chair Roberto Yano adjourned the meeting at 12:02 p.m.

ATTACHMENT 5

FY 2018 Exhibit E Audit

- A. Staff Report
- B. Auditor's Reports
- C. Year-End
Reconciliation

Fiscal Year 2018 Exhibit E Summary Staff Report

Fiscal Year 2018's "Schedule of Allocation for Billing to Metropolitan Wastewater Utility and Independent Auditors Report" (Exhibit E Audit) was completed on June 26, 2020. A copy of the Auditor's Report and the Reconciliation of Fiscal Year 2018 based on the audited numbers are attached.

The final operating and capital expenses can be found on Page 3 of the Auditor's Report. The fiscal year-end total \$231.4 million is approximately (\$28.5) million (14%) higher than Fiscal Year 2017. The major variances in the areas of expenditures & Income Credits for the year are:

EXPENDITURES & INCOME CREDITS

Transmission:

- Transmission costs decreased due to Pump Station 1 and 2 overhauled maintenance expenses that were incurred in Fiscal Year 2017. Decrease \$2.4 Million.

Capital Improvement Expense:

- Increase in design, engineering and property acquisition costs for various Pure Water Projects. Increase in construction and engineering costs related to the PS2 Power Reliability Project. Increase \$24 Million.

Debt Service:

- The increase over last fiscal year is due to the start of repayment period on SRF loans and bond principal and interest. Increase \$8.2 Million.

Income Credits:

- There was a decrease in income credits related to SRF. This decrease in income credits over Fiscal Year 2018 has a direct correlation to the increase in Capital Expense, it is anticipated that Fiscal Year 2019 will see an increase in income credits due to timing of reimbursements. Decrease \$5 Million.

PURE WATER

- Metropolitan Wastewater Fund costs \$ 31.7 million for Pure Water O&M and related CIP costs. The final cost allocation of O&M task orders, as well as capital improvement projects is currently in progress. Once finalized, if changes to the draft cost allocation of project costs between water and wastewater is necessary, an adjustment will be made during the Exhibit E audit.

TABLE B

- The year-end reconciliation shows the total PA share of the Fiscal Year 2018 operations and CIP costs less income credits of \$74.4 million. Fiscal Year 2018 PAs were collectively been billed \$70 million which results in deficit of \$4.4 million owed to San Diego. Table B reflects the individual PA's annual contributions, actual expenses, and reflect either a credit amount (refund) or debit owed.

**CITY OF SAN DIEGO PUBLIC
UTILITIES DEPARTMENT**

Schedule of Allocation for Billing to Metropolitan
Wastewater Utility and Independent Auditor's Reports

For the Fiscal Year Ended June 30, 2018



Certified
Public
Accountants

CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT
Schedule of Allocation for Billing to Metropolitan Wastewater Utility
and Independent Auditor's Reports
For the Fiscal Year Ended June 30, 2018

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Independent Auditor's Report on the Schedule of Allocation for Billing to Metropolitan Wastewater Utility

To the Honorable Mayor and City Council
City of San Diego California

Report on the Schedule

We have audited the accompanying modified cash basis Schedule of Allocation for Billing to Metropolitan Wastewater Utility (the Schedule) of the City of San Diego Public Utilities Department (PUD), an enterprise fund of the City of San Diego, California (the City) for the fiscal year ended June 30, 2018, and the related notes to the Schedule, as listed in the table of contents.

Management's Responsibility for the Schedule

Management is responsible for the preparation and fair presentation of the Schedule in accordance with the modified cash basis of accounting described in Note 3, this includes determining that the modified cash basis of accounting is an acceptable basis for the preparation of the Schedule in the circumstances. Management is also responsible for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of the Schedule that is free from material misstatement, whether due to fraud or error.

Auditor's Responsibility

Our responsibility is to express an opinion on the Schedule based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the Schedule is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Schedule. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the Schedule, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the Schedule in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the Schedule.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the Schedule referred to above presents fairly, in all material respects, the Allocation for Billing to Metropolitan Wastewater Utility of the PUD pursuant to the Regional Wastewater Disposal Agreement (Agreement) between the City and the Participating Agencies in the Metropolitan Wastewater System dated May 18, 1998 as amended on May 15, 2000 and June 3, 2010, respectively, for the fiscal year ended June 30, 2018, in accordance with the modified cash basis of accounting as described in Note 3.

Basis of Accounting

We draw attention to Note 3 of the Schedule, which describes that the Schedule is prepared for the purpose of complying with the Regional Wastewater Disposal Agreement between the City and the Participating Agencies and is presented on a modified cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

Other Reporting Required by Government Auditing Standards

In accordance with *Government Auditing Standards*, we have also issued our report dated June 26, 2020 on our consideration of the PUD's internal control over financial reporting as it relates to the Schedule and on our tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements and other matters. The purpose of that report is solely to describe the scope of our testing of internal control over financial reporting and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the PUD's internal control over financial reporting or on compliance related to the Schedule. That report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the PUD's internal control over financial reporting and compliance related to the Schedule.

A handwritten signature in black ink that reads "Macias Gini & O'Connell LLP". The signature is written in a cursive, flowing style.

San Diego, California
June 26, 2020

CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT
Schedule of Allocation for Billing to Metropolitan Wastewater Utility
For the Fiscal Year Ended June 30, 2018

	Operating Expenses		
	Municipal System	Metropolitan System	Total
Transmission			
Main Cleaning	\$ 12,307,306	\$ -	\$ 12,307,306
Sewer Pump Stations.....	4,753,959	-	4,753,959
Other Pump Stations.....	5,525,618	571,506	6,097,124
Pump Station 1.....	-	1,918,982	1,918,982
Pump Station 2.....	-	6,359,493	6,359,493
Other Muni Agencies.....	5,972,933	-	5,972,933
Pipeline Maintenance and Repair.....	11,962,739	103,314	12,066,053
Wastewater Collection (WWC) Engineering and Planning.....	2,317,947	-	2,317,947
Total Transmission.....	42,840,502	8,953,295	51,793,797
Treatment and Disposal			
Point Loma Wastewater Treatment Plan (PTLWWTP).....	-	23,376,544	23,376,544
North City Water Reclamation Plant (NCWRP).....	-	11,232,382	11,232,382
South Bay Water Reclamation Plant (SBWRP).....	-	9,292,184	9,292,184
Metropolitan Biosolids Center (MBC).....	-	16,607,023	16,607,023
Cogeneration Facilities.....	-	295,004	295,004
Gas Utilization Facility (GUF).....	-	723,547	723,547
Wastewater Treatment and Disposal (WWTD) Plant Engineering.....	-	810,195	810,195
Total Treatment and Disposal.....	-	62,336,879	62,336,879
Quality Control			
Sewage Testing and Control.....	350,426	393,017	743,443
Marine Biology and Ocean Operations.....	2	5,231,075	5,231,077
Wastewater Chemistry Services.....	960,307	5,832,956	6,793,263
Industrial Permitting and Compliance.....	4,940,359	31,408	4,971,767
Total Quality Control.....	6,251,094	11,488,456	17,739,550
Engineering			
Program Management and Review.....	2,971,482	8,961,584	11,933,066
Environmental Support.....	2,771,977	245,715	3,017,692
Total Engineering.....	5,743,459	9,207,299	14,950,758
Operational Support			
Central Support: Clean Water Operations Management Network (Comnet)...	175,550	3,162,673	3,338,223
Operational Support.....	1,293,278	6,082,028	7,375,306
Total Operational Support.....	1,468,828	9,244,701	10,713,529
General and Administrative			
Business Support Administration.....	23,394,744	25,088,359	48,483,103
Operating Division Administration.....	6,204,464	5,088,880	11,293,344
Total General and Administrative.....	29,599,208	30,177,239	59,776,447
TOTAL EXPENSES.....	85,903,091	131,407,869	217,310,960
CAPITAL IMPROVEMENT EXPENSE.....	68,608,811	48,914,684	117,523,495
DEBT SERVICE ALLOCATION.....	33,744,804	75,045,785	108,790,589
METROPOLITAN SYSTEM INCOME CREDITS.....			
Operating Revenue.....	-	(13,616,591)	(13,616,591)
Capital Improvement Project (CIP) - Revenue Bond Issue.....	-	-	-
Operating - Grant Revenue.....	-	-	-
CIP - Grant/SRF Revenue.....	-	(10,306,385)	(10,306,385)
TOTAL METROPOLITAN SYSTEM INCOME CREDITS.....	-	(23,922,976)	(23,922,976)
TOTAL ALLOCATION FOR BILLING PURPOSES.....	\$ 188,256,706	\$ 231,445,362	\$ 419,702,068

See Accompanying Notes to the Schedule of Allocation for Billing to Metropolitan Wastewater Utility

CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT
Notes to the Schedule of Allocation for Billing to Metropolitan Wastewater Utility
For the Fiscal Year Ended June 30, 2018

Note 1 – General

The City of San Diego Public Utilities Department (the PUD) operates and maintains the Metropolitan Wastewater System (the Metropolitan System) and the Municipal Wastewater Collection System (the Municipal System). The Participating Agencies and the City of San Diego (the City) have entered into a Regional Wastewater Disposal Agreement dated May 18, 1998 as amended on May 15, 2000 and June 3, 2010, respectively, for their respective share of usage and upkeep of the Metropolitan Wastewater Utility. The accompanying Schedule of Allocation for Billing to Metropolitan Wastewater Utility (the Schedule), represents the allocation of expenses for billing related to the Metropolitan Wastewater Utility of the Participating Agencies.

The Metropolitan System and Municipal System are accounted for as enterprise funds and reported in the Sewer Utility Fund in the City's Comprehensive Annual Financial Report.

Note 2 – Participating Agencies

The Participating Agencies consist of the following municipalities and districts:

City of Chula Vista	City of National City
City of Coronado	City of Poway
City of Del Mar	Lemon Grove Sanitation District
City of El Cajon	Otay Water District
City of Imperial Beach	Padre Dam Municipal Water District
City of La Mesa	San Diego County Sanitation District

Note 3 – Summary of Significant Accounting Policies

Basis of Presentation

The Schedule has been prepared for the purpose of complying with the Regional Wastewater Disposal Agreement between the City and the Participating Agencies as discussed in Note 1 above, and is presented on a modified cash basis of accounting. As a result, the Schedule is not intended to be a presentation of the changes in the financial position of the City or the PUD in conformity with generally accepted accounting principles. The more significant differences are:

1. Purchases of capital assets are presented as capital improvement expense.
2. Depreciation expense on capital assets is not reported in the Schedule.
3. Payments of principal and interest related to long-term debt are reported as debt service allocation.
4. Unbudgeted expenses related to compensated absences, liability claims, capitalized interest, other postemployment benefits, and net pension obligation are excluded from the Schedule.

The preparation of the Schedule requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT

Notes to the Schedule of Allocation for Billing to Metropolitan Wastewater Utility (Continued)
For the Fiscal Year Ended June 30, 2018

Note 4 – Capital Improvement Expense

Construction and related costs incurred during the fiscal year (FY) to maintain and improve the Metropolitan and Municipal Wastewater Utility and equipment purchases used in the maintenance of the Metropolitan and Municipal Wastewater Utility are included in capital improvement expense.

Note 5 – Debt Service Allocation

Debt service allocation represents a portion of the principal and interest payments relating to the Senior Sewer Revenue Bonds Series 2009A, the Senior Sewer Revenue Refunding Bonds Series 2009B, 2015, and 2016A, and the outstanding State Revolving Fund (SRF) loans from the State of California.

Note 6 – Metropolitan System Income Credits

Metropolitan System income credits are revenues earned by the Metropolitan System for costs incurred during the current or previous fiscal years. The PUD has agreed to share the income credits from the South Bay Water Reclamation Facility in accordance with the 1998 Regional Wastewater Disposal Agreement. An agreement was reached in FY 2015 regarding revenue generated from the South Bay Water Reclamation Facility and revenue sharing payments were issued for FY 2006 through FY 2014 to the Participating Agencies. During the fiscal year ended June 30, 2018, revenue sharing payments for FY 2018 of approximately \$3.4 million were transferred from the City's Water Fund and are included in the Schedule as part of the income credits.

Metropolitan system capital improvement income credits include, if any, contributions-in-aid-of-construction received from Federal and State granting agencies and reimbursements from bond proceeds.

Note 7 – Total Allocation for Billing Purposes

Costs to be billed to Participating Agencies include all individual construction projects costs and operation and maintenance expenses attributable to the Metropolitan System. Costs are apportioned back to the Participating Agencies based on their percentage of each of the totals of flow, suspended solids and chemical oxygen demand (COD). Each Participating Agency and the City are sampled quarterly, with plants sampled daily. Beginning in FY 2014, the percentages were determined from a new sample data set taken during the fiscal year and annual monitored flow.

For construction projects, percentages were allocated to flow, suspended solids and COD based on each of the project's design and function. The percentages are weighted by total project costs and combined to determine the final three derived percentages. Total annual costs are then allocated based on the three derived percentages and the measured flow, suspended solids and COD of each Participating Agency.

Operation and maintenance (O&M) costs as a percentage of flow, suspended solids and COD are evaluated based on four cost categories: pump stations, plant operations, technical services and cogeneration. These percentages are weighted by the annual O&M costs for each category, and combined to determine a derived percentage for administrative costs. All O&M costs are then allocated based on the measured flow, suspended solids and COD of each Participating Agency.

CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT

Notes to the Schedule of Allocation for Billing to Metropolitan Wastewater Utility (Continued)
For the Fiscal Year Ended June 30, 2018

Note 8 – Administrative Protocol

In May 2010, the City and all Participating Agencies signatory to the Regional Wastewater Disposal Agreement established an Administrative Protocol (Protocol) which was effective beginning in FY 2010. The Protocol established a requirement that the Participating Agencies maintain a 1.2 debt service coverage ratio on parity debt, fund a 45-day operating reserve, and earn interest on the operating and unrestricted reserve accounts. All interest earned during FY 2018 was credited to the operating reserve, which ended the fiscal year above the required 45-day reserve.

Note 9 – Pure Water Program

In 2014 the City began planning for the Pure Water Program. The Pure Water Program is the City's phased, multi-year program that will provide one-third, or 83 million gallons per day (MGD), of San Diego's water supply locally by 2035. The Pure Water Program uses proven technology to clean recycled water to produce safe, high-quality drinking water while providing the benefit of continuing advanced primary treatment at the Point Loma Wastewater Treatment Plant. This program is being jointly funded by both water and wastewater ratepayers, and the Participating Agencies represent approximately 35% of the wastewater portion of this program. During FY 2018 the following Pure Water Program costs were incurred that were charged to the Metropolitan Wastewater Fund:

	<u>FY 2018 Pure Water Program Costs</u>
Total operating and maintenance costs	<u>\$ 6,012,202</u>
Capital improvement costs:	
Morena Blvd. Pump Station and Pipelines	13,105,870
North City Water Reclamation Plant Expansion	9,302,856
Metropolitan Biosolids Center (MBC) Improvements	3,322,308
Total capital improvement costs	<u>25,731,034</u>
Total Pure Water Program – Metropolitan Wastewater Fund costs	<u>\$ 31,743,236</u>

Pure Water O&M costs consist of task orders for various engineering consultants and other support services that cannot be directly capitalized into a capital improvement project. The final cost allocation of O&M task orders, as well as capital improvement projects is currently in progress. Once finalized, if changes to the draft cost allocation of project costs between water and wastewater is needed, an adjustment will be made during the audit of the Schedule.



**Independent Auditor's Report on Internal Control Over Financial Reporting and
on Compliance and Other Matters Based on an Audit of the Schedule
of Allocation for Billing to Metropolitan Wastewater Utility Performed
in Accordance with *Government Auditing Standards***

To the Honorable Mayor and City Council
City of San Diego California

We have audited, in accordance with the auditing standards generally accepted in the United States of America and the standards applicable to financial audits contained in *Government Auditing Standards* issued by the Comptroller General of the United States, the Schedule of Allocation for Billing to Metropolitan Wastewater Utility (the Schedule) of the City of San Diego Public Utilities Department (PUD), an enterprise fund of the City of San Diego, California (the City), for the fiscal year ended June 30, 2018, and the related notes to the Schedule, and have issued our report thereon dated June 26, 2020. Our report contains an explanatory paragraph indicating that the Schedule was prepared for the purpose of complying with, and in conformity with, the accounting practices prescribed by the Regional Wastewater Disposal Agreement between the City and the Participating Agencies in the Metropolitan Wastewater System dated May 18, 1998 as amended on May 15, 2000 and June 3, 2010, respectively.

Internal Control Over Financial Reporting

In planning and performing our audit of the Schedule, we considered the PUD's internal control over financial reporting (internal control) to determine the audit procedures that are appropriate in the circumstances for the purpose of expressing our opinion on the Schedule, but not for the purpose of expressing an opinion on the effectiveness of the PUD's internal control related to the Schedule. Accordingly, we do not express an opinion on the effectiveness of the PUD's internal control related to the Schedule.

A *deficiency in internal control* exists when the design or operation of a control does not allow management or employees, in the normal course of performing their assigned functions, to prevent, or detect and correct, misstatements on a timely basis. A *material weakness* is a deficiency, or a combination of deficiencies, in internal control, such that there is a reasonable possibility that a material misstatement of the entity's financial statements will not be prevented, or detected and corrected on a timely basis. A *significant deficiency* is a deficiency, or a combination of deficiencies, in internal control that is less severe than a material weakness, yet important enough to merit attention by those charged with governance.

Our consideration of internal control was for the limited purpose described in the first paragraph of this section and was not designed to identify all deficiencies in internal control that might be material weaknesses or significant deficiencies. Given these limitations, during our audit we did not identify any deficiencies in internal control that we consider to be material weaknesses. However, material weaknesses may exist that have not been identified.

Compliance and Other Matters

As part of obtaining reasonable assurance about whether the PUD's Schedule is free from material misstatement, we performed tests of its compliance with certain provisions of laws, regulations, contracts, and grant agreements, including the Regional Wastewater Disposal Agreement between the City and the Participating Agencies dated May 18, 1998 as amended on May 15, 2000 and June 3, 2010, respectively, noncompliance with which could have a direct and material effect on the determination of Schedule amounts. However, providing an opinion on compliance with those provisions was not an objective of our audit, and accordingly, we do not express such an opinion. The results of our tests disclosed no instances of noncompliance or other matters that are required to be reported under *Government Auditing Standards*, including the requirements of the Regional Wastewater Disposal Agreement between the City and the Participating Agencies dated May 18, 1998 as amended on May 15, 2000 and June 3, 2010, respectively.

Purpose of this Report

The purpose of this report is solely to describe the scope of our testing of internal control and compliance and the results of that testing, and not to provide an opinion on the effectiveness of the PUD's internal control or on compliance related to the Schedule. This report is an integral part of an audit performed in accordance with *Government Auditing Standards* in considering the PUD's internal control and compliance related to the Schedule. Accordingly, this communication is not suitable for any other purpose.

A handwritten signature in black ink that reads "Macias Gini & O'Connell LLP". The signature is written in a cursive, flowing style.

San Diego, California
June 26, 2020

TABLE A

CITY OF SAN DIEGO - PUBLIC UTILITIES DEPARTMENT
FISCAL YEAR 2018 ESTIMATED UNIT COSTS
FUNCTIONAL-DESIGN COST ALLOCATION METHOD

TREATMENT PARAMETER	FY 2018 BUDGET		UNITS	COST PER UNIT
WASTEWATER FLOW	AMOUNT	%		
	\$115,904,233	50.1%	56,409 (a)	\$2,054.71 /per Million Gallons
SUSPENDED SOLIDS	\$60,271,912	26.0%	180,265 (b)	\$334.35 /per Thousand Pounds
CHEMICAL OXYGEN DEMAND	\$55,269,218	23.9%	335,931 (c)	\$164.53 /per Thousand Pounds
TOTAL	\$231,445,362	100%		

(a) Units of Flow - Million Gallons Per Year

(b) Units of SS - Thousands of Pounds per Year

(c) Units of COD - Thousands of Pounds per Year

TABLE B

CITY OF SAN DIEGO - PUBLIC UTILITIES DEPARTMENT
PROJECTED DISTRIBUTION OF SYSTEM WASTEWATER COSTS - FISCAL YEAR 2018
FUNCTIONAL-DESIGN BASED ALLOCATION METHOD

AGENCY	ALLOCATION OF COSTS BY FLOW, SUSPENDED SOLIDS AND CHEMICAL OXYGEN DEMAND				TOTAL PAID FOR FY 2018	DIFFERENCE
	FLOW (a)	SS (a)	COD (a)	TOTAL FLOW, SS & COD		
CHULA VISTA	\$11,603,651	\$6,152,883	\$5,672,837	\$23,429,371	\$21,512,440	\$1,916,931
CORONADO	\$1,039,050	\$617,180	\$430,533	\$2,086,763	\$3,204,904	(\$1,118,141)
DEL MAR	\$203,795	\$121,322	\$64,356	\$389,473	\$40,768	\$348,705
EAST OTAY MESA	\$191,673	\$99,982	\$86,054	\$377,710	\$216,824	\$160,886
EL CAJON	\$4,829,294	\$3,176,159	\$2,449,849	\$10,455,302	\$9,978,712	\$476,590
IMPERIAL BEACH	\$1,557,258	\$635,259	\$558,650	\$2,751,167	\$2,670,648	\$80,519
LA MESA	\$3,221,801	\$1,549,577	\$1,276,639	\$6,048,017	\$5,312,344	\$735,673
LAKESIDE/ALPINE	\$2,160,879	\$1,212,854	\$1,024,236	\$4,397,969	\$3,821,460	\$576,509
LEMON GROVE	\$1,187,640	\$526,989	\$507,116	\$2,221,745	\$2,781,944	(\$560,199)
NATIONAL CITY	\$2,850,892	\$1,308,894	\$1,351,747	\$5,511,534	\$4,921,664	\$589,870
OTAY	\$234,597	\$320,360	\$142,853	\$697,810	\$589,748	\$108,062
PADRE DAM	\$1,839,590	\$1,735,937	\$1,318,092	\$4,893,619	\$4,721,564	\$172,055
POWAY	\$1,753,296	\$903,115	\$693,595	\$3,350,006	\$3,272,536	\$77,470
SPRING VALLEY	\$3,258,489	\$1,649,453	\$1,436,844	\$6,344,786	\$5,675,048	\$669,738
WINTERGARDENS	\$691,899	\$422,875	\$324,940	\$1,439,715	\$1,280,412	\$159,303
SUBTOTAL PARTICIPATING AGENCIES	\$36,623,805	\$20,432,837	\$17,338,343	\$74,394,985	\$70,001,016	\$4,393,969
SAN DIEGO	\$79,280,428	\$39,839,075	\$37,930,874	\$157,050,377		
TOTAL	\$115,904,233	\$60,271,912	\$55,269,218	\$231,445,362		

TABLE C

CITY OF SAN DIEGO - PUBLIC UTILITIES DEPARTMENT
SYSTEM WASTEWATER CHARACTERISTICS - FISCAL YEAR 2018
SYSTEM STRENGTH LOADINGS INCLUDED

AGENCY	WASTEWATER CHARACTERISTICS			UNADJUSTED ANNUAL USE			ADJUSTED ANNUAL USE				
	AVERAGE FLOW - mgd (a)	SS mg/l (b)	COD mg/l (b)	2018 FLOWS million gallons	SS thousand pounds	COD thousand pounds	2018 FLOWS million gallons	Flow Difference (c)	FY 2018 Billing Flows	SS thousand pounds	COD thousand pounds
CHULA VISTA	15.516	278	743	5,663.402	13,155	35,108	6,023.836	(376.503)	5,647.332	18,402	34,480
CORONADO	1.389	312	630	507.130	1,319	2,665	539.405	(33.714)	505.691	1,846	2,617
DEL MAR	0.273	313	480	99.467	259	398	105.797	(6.613)	99.184	363	391
EAST OTAY MESA	0.256	274	682	93.550	214	533	99.504	(6.219)	93.285	299	523
EL CAJON	6.458	345	771	2,357.037	6,790	15,162	2,507.045	(156.696)	2,350.349	9,499	14,890
IMPERIAL BEACH	2.082	214	545	760.052	1,358	3,457	808.423	(50.528)	757.895	1,900	3,396
LA MESA	4.308	252	602	1,572.466	3,313	7,901	1,672.542	(104.538)	1,568.005	4,635	7,760
LAKESIDE/ALPINE	2.889	295	720	1,054.662	2,593	6,339	1,121.783	(70.114)	1,051.669	3,627	6,225
LEMON GROVE	1.588	233	649	579.652	1,127	3,138	616.543	(38.535)	578.008	1,576	3,082
NATIONAL CITY	3.812	241	721	1,391.437	2,798	8,366	1,479.992	(92.503)	1,387.489	3,915	8,216
OTAY	0.314	717	925	114.500	685	884	121.787	(7.612)	114.175	958	868
PADRE DAM	2.460	495	1,089	897.850	3,711	8,158	954.991	(59.689)	895.302	5,192	8,011
POWAY	2.344	270	601	855.732	1,931	4,293	910.193	(56.889)	853.304	2,701	4,216
SPRING VALLEY	4.357	266	670	1,590.373	3,526	8,892	1,691.588	(105.728)	1,585.860	4,933	8,733
WINTERGARDENS	0.925	321	714	337.696	904	2,011	359.188	(22.450)	336.737	1,265	1,975
SUBTOTAL PARTICIPATING AGENCIES	48.973	293	719	17,875.005	43,684	107,305	19,012.618	(1,188.332)	17,824.286	61,112	105,384
SAN DIEGO	106.012	264	727	38,694.451	85,174	234,749	41,157.070	(2,572.410)	38,584.660	119,153	230,547
REGIONAL SLUDGE RETURNS	9.864	342	194	3,600.231	10,263	5,824					
FLOW DIFFERENCE	(10.303)			(3,760.742)	41,144	(11,948)					
TOTAL	154.545	383	714	56,408.946	180,265	335,931	60,169.687	(3,760.742)	56,408.946	180,265	335,931

TABLE D

CITY OF SAN DIEGO - PUBLIC UTILITIES DEPARTMENT
ALLOCATION OF FISCAL YEAR 2018 ESTIMATED BUDGET
FUNCTIONAL-DESIGN BASED ALLOCATION METHOD

DESCRIPTION	FY 2018 ACTUAL COSTS	ALLOCATION OF COSTS						TOTAL COSTS
		FLOW %	FLOW COSTS	SS %	SS COSTS	COD %	COD COSTS	
<u>OPERATION AND MAINTENANCE :</u>								
TRANSMISSION AND SYSTEM MAINTENANCE	\$8,953,295	100.0%	\$8,953,295	0.0%	\$0	0.0%	\$0	\$8,953,295
OPERATIONS & MAINTENANCE	\$60,508,133	39.0%	\$23,575,215	32.6%	\$19,706,586	28.5%	\$17,226,332	\$60,508,133
TECHNICAL SERVICES	\$11,064,031	30.0%	\$3,319,209	40.0%	\$4,425,612	30.0%	\$3,319,209	\$11,064,031
COGENERATION	(\$389,270)	0.0%	\$0	60.0%	(\$233,562)	40.0%	(\$155,708)	(\$389,270)
METRO ADMIN & GENERAL EXPENSES - 41508	\$24,775,500	44.7%	\$11,082,947	29.8%	\$7,388,680	25.4%	\$6,303,873	\$24,775,500
METRO ADMIN & GENERAL EXPENSES - 41509	\$14,696,994	44.7%	\$6,574,479	29.8%	\$4,383,015	25.4%	\$3,739,500	\$14,696,994
TOTAL OPERATIONS AND MAINTENANCE	\$119,608,682	44.73%	\$53,505,146	29.82%	\$35,670,331	25.44%	\$30,433,206	\$119,608,682
<u>CAPITAL IMPROVEMENT PROGRAM :</u>								
PAY-AS-YOU-GO METRO 41508	\$885,683	55.8%	\$494,165	22.0%	\$194,831	22.2%	\$196,687	\$885,683
PAY-AS-YOU-GO METRO 41509	\$35,905,212	55.8%	\$20,033,253	22.0%	\$7,898,348	22.2%	\$7,973,612	\$35,905,212
DEBT SERVICE	\$75,045,785	55.8%	\$41,871,669	22.0%	\$16,508,403	22.2%	\$16,665,713	\$75,045,785
TOTAL CAPITAL IMPROVEMENT PROGRAM	\$111,836,680	55.8%	\$62,399,087	22.0%	\$24,601,581	22.2%	\$24,836,012	\$111,836,680
TOTAL O&M & CAPITAL IMPROVEMENT PROGRAM	\$231,445,362	50.1%	\$115,904,233	26.0%	\$60,271,912	23.9%	\$55,269,218	\$231,445,362

ATTACHMENT 10

Pure Water Phase II

Summary of Alternatives

Alt	Secondary Equiv	Brine/Treated Centrate Bypass	Regional Purified Water Production	CAWRP/CAPWF Combined at Harbor Dr	Phase 2 Pure Water Production (mgd)
1A	X				53
1B					53
1C	X	X			53
1D		X			53
1E	X		X		41.5
1F		X	X		41.5
1G	X		X	X	41.5
1H		X	X	X	41.5
3A	X	X			53
3B		X			53
3C	X	X	X		41.5
3D		X	X		41.5

Alt 1x – CAWRP at Harbor Drive; Alt 3x – CAWRP at PLWTP

Pure Water Phase 2 Planning Update

Metro Wastewater JPA
July 15, 2020

Doug Owen, Stantec
Consultant Team Manager
Pure Water Program

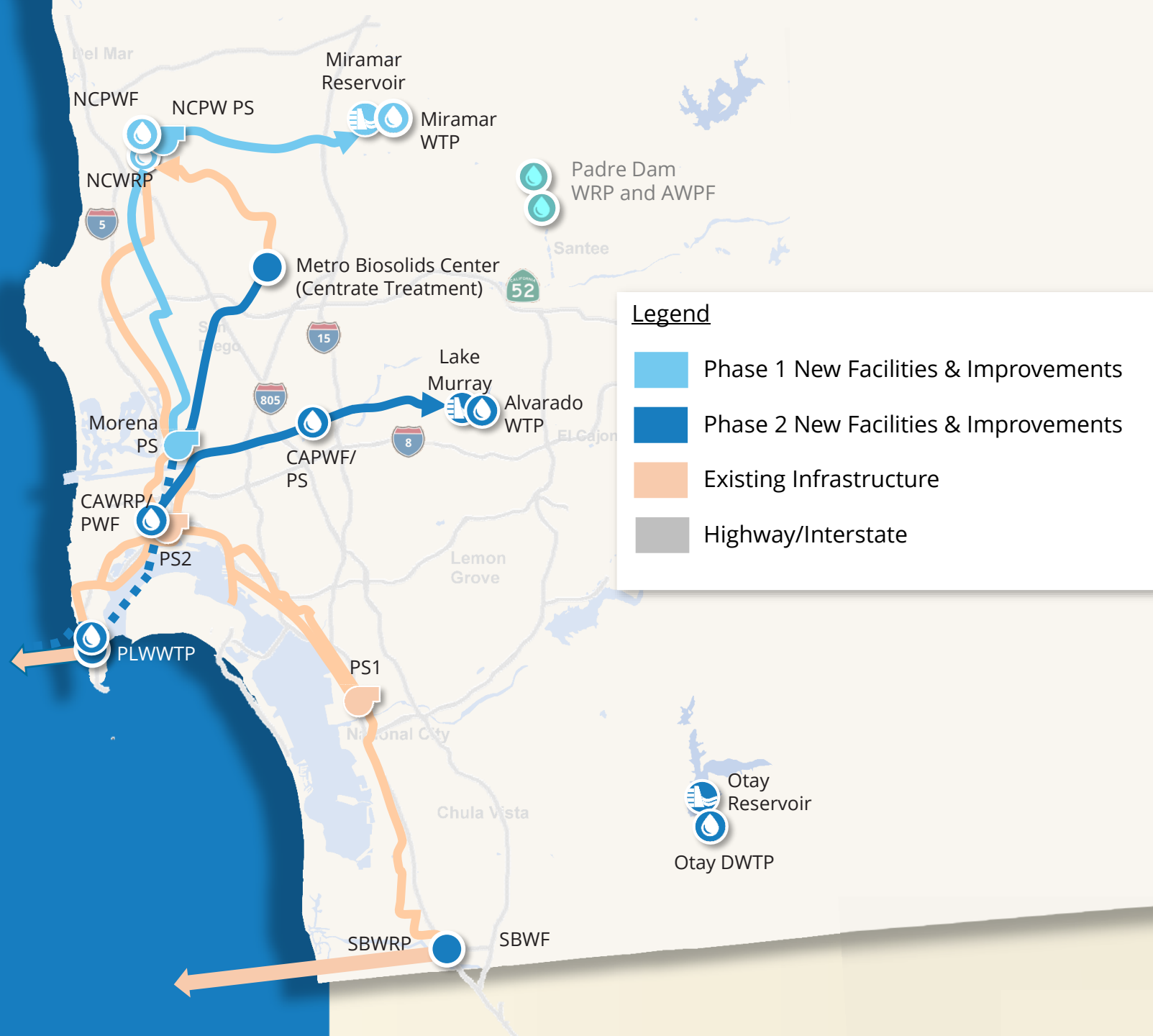
Roberto Yano, National City
Dexter Wilson, Dexter Wilson Engineering
Scott Tulloch, Consultant (NV5)

John Stufflebean, City of San Diego
Amer Barhoumi , City of San Diego
Lubna Arikat, City of San Diego
Victor Occiano, Brown and Caldwell
Christine Waters, CityWorks
Sean McCarty, West Coast Civil

- Review of Phase 2 Alternatives
- Alternatives Refinement Update
 - *Treatment*
 - *Conveyance*
- Next Steps

Alternative Development includes combinations of:

- Water Reclamation Plant
 - Point Loma
 - Harbor Drive
- Purified Water Facility
 - Harbor Drive
 - Mission Valley
- With and Without Waiver/Secondary Equivalency
- Brine/Centrates bypass of PLWTP directly to ocean outfall
- Padre Dam 11.5 mgd ECAWP facility a part of a “regional” 83 mgd solution





Summary of Alternatives

Alt	Secondary Equiv	Brine/Treated Centrate Bypass	Regional Purified Water Production	CAWRP/CAPWF Combined at Harbor Dr	Phase 2 Pure Water Production (mgd)
1A	X				53
1B					53
1C	X	X			53
1D		X			53
1E	X		X		41.5
1F		X	X		41.5
1G	X		X	X	41.5
1H		X	X	X	41.5
3A	X	X			53
3B		X			53
3C	X	X	X		41.5
3D		X	X		41.5

- Develop Alternatives Selected for Refinement

- Conduct Initial Studies

Pure Water Distribution

Treatment and Innovations

Tunneling

Planning Requirements

Centrate Treatment

Impacts to Receiving Waters

Failure Scenarios

Power Supply

- Refine Alternatives
- Prepare Conceptual-Level Cost Estimates
- Prepare Alternatives Evaluation Matrix
- Develop Phase 2 Central Area Delivery Schedule

Treatment Layouts



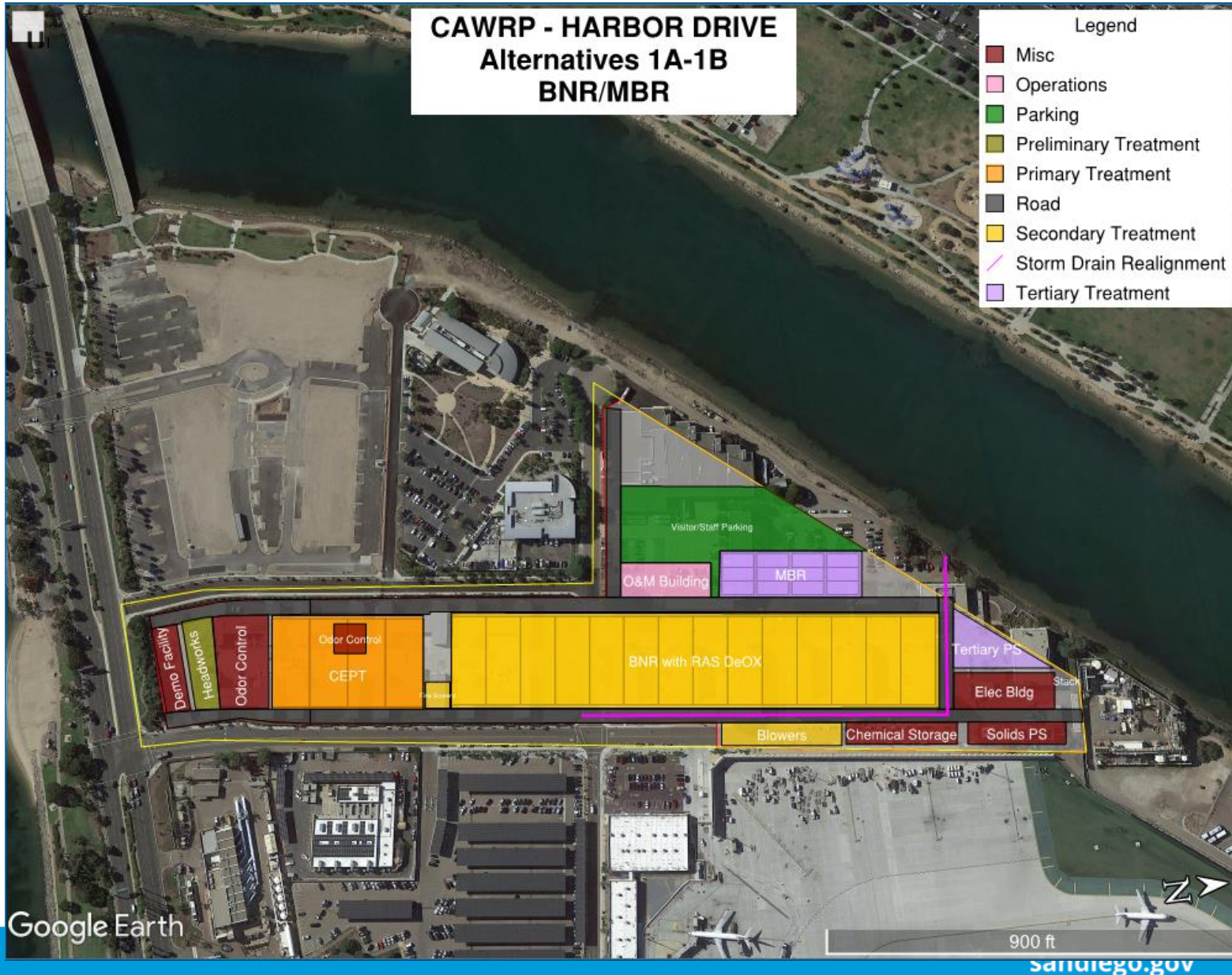
Treatment Elements

- Discharge to Murray Reservoir
 - *Direct Potable Reuse – Raw Water Augmentation*
- Water Reclamation Plant
 - *Enhanced primary treatment – CEPT or Densadeg*
 - *Biological nutrient removal*
 - *Membrane Bioreactors*
- Purified Water Facility
 - *Ozone/biologically active carbon*
 - *Membrane filtration*
 - *Reverse Osmosis*
 - *UV/AOP*
 - *Pipeline chlorination*

SD Alternative 1 - Harbor Drive CAWRP Site Plan

- Treatment options for:
 - *Primary Treatment*
 - CEPT (as shown)
 - DensaDeg
 - *CAWRP Secondary/Tertiary Treatment*
 - **BNR/Secondary Clarifiers/Tertiary Filters** (insufficient land)
 - **Fine Screens/BNR/MBR** (as shown)

Alt	Influent AADF (mgd)
1A, 1B	69
1E	53



Alternative 1 – Mission Valley CAPWF Site Plan

■ Treatment processes include:

- *Ozone*
- *BAC*
- *MF*
- *RO*
- *UV/AOP*
- *Post Treatment*

Alt	CAPWF Influent (mgd)
1A-1D	66
1E	52



SD Alternative 1 – PLWTP Site Plan (Full Secondary)

■ Treatment options for:

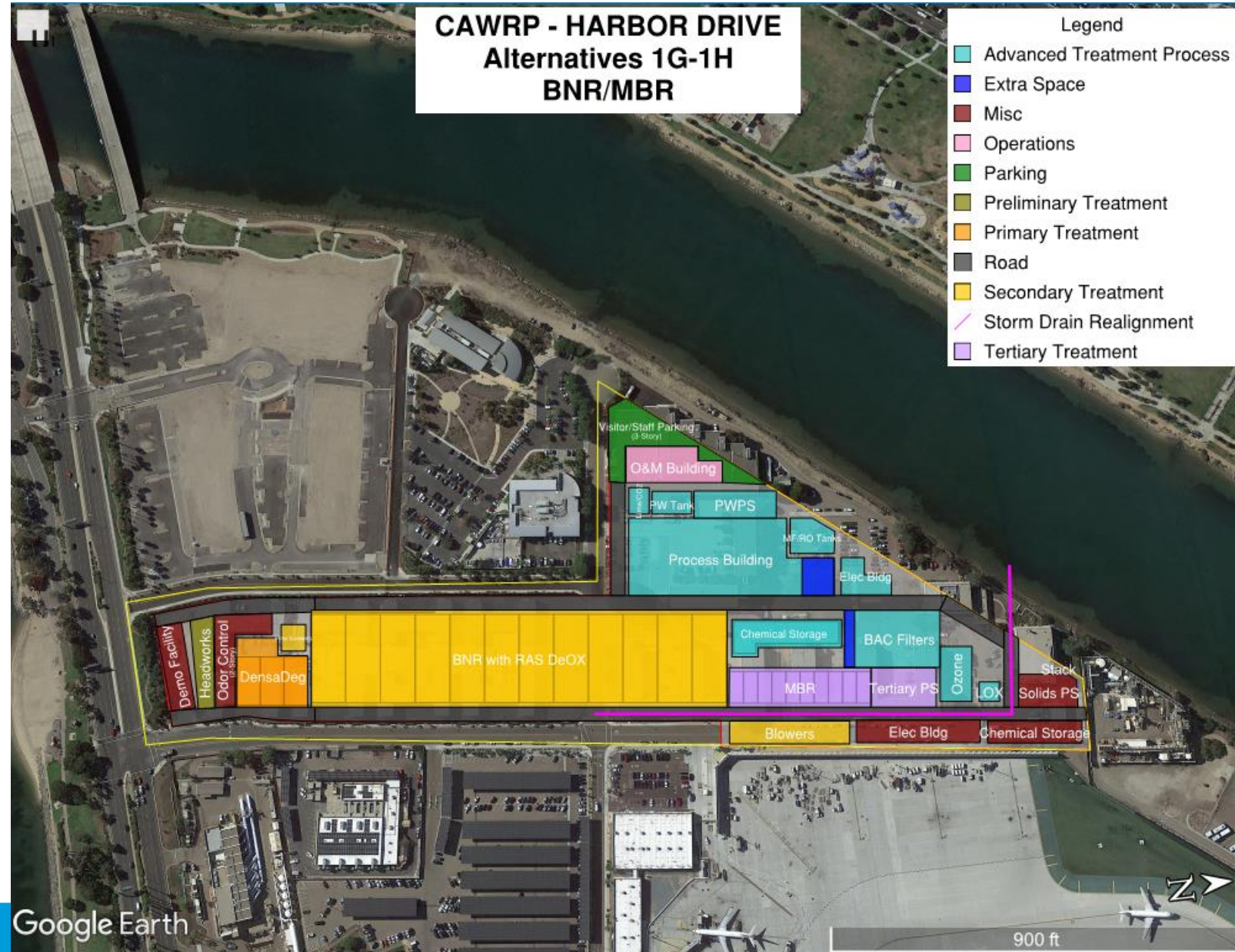
- *PLWTP Primary Treatment*
 - CEPT (evaluating)
 - DensaDeg (as shown)
- *PLWTP Secondary Treatment*
 - Fine Screens/BAF
- *Sludge Thickeners*
 - Gravity Thickeners

Alt	Influent PWWF (mgd)	Sludge Flow (mgd)
1B	273	7.0



- Considered treatment options for:
 - *Primary Treatment*
 - CEPT (insufficient land)
 - DensaDeg (as shown)
 - *CAWRP Secondary/Tertiary Treatment*
 - BNR/Secondary Clarifiers/Tertiary Filters (insufficient land)
 - Fine Screens/BNR/MBR (as shown)
- No flexibility for expansion to 53 mgd in the future.

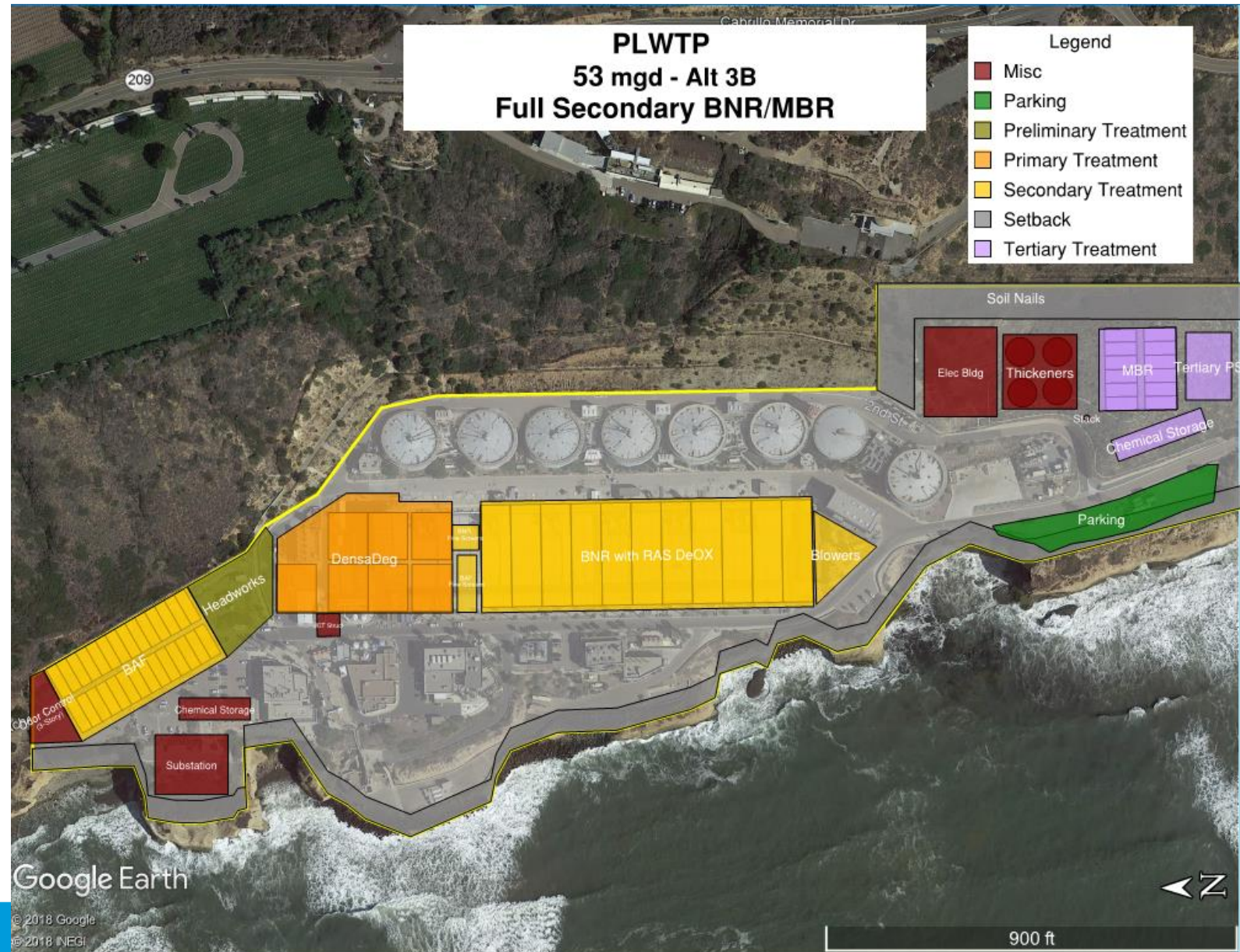
Alt	CAWRP Influent AADF (mgd)	CAPWF Influent AADF (mgd)
1G, 1H	53	52



SD Alternative 3 – PLWTP Site Plan (Full Secondary)

- Treatment options for:
 - *PLWWTP & CAWRP Primary Treatment*
 - CEPT (insufficient land)
 - DensaDeg (as shown)
 - *PLWWTP Secondary Treatment*
 - Fine Screens/BAF (as shown)
 - *CAWRP Secondary/Tertiary Treatment*
 - BNR/Secondary Clarifiers/Tertiary Filters (insufficient land)
 - Fine Screens/BNR/MBR (as shown)
 - *Sludge Thickeners*
 - Gravity Thickeners

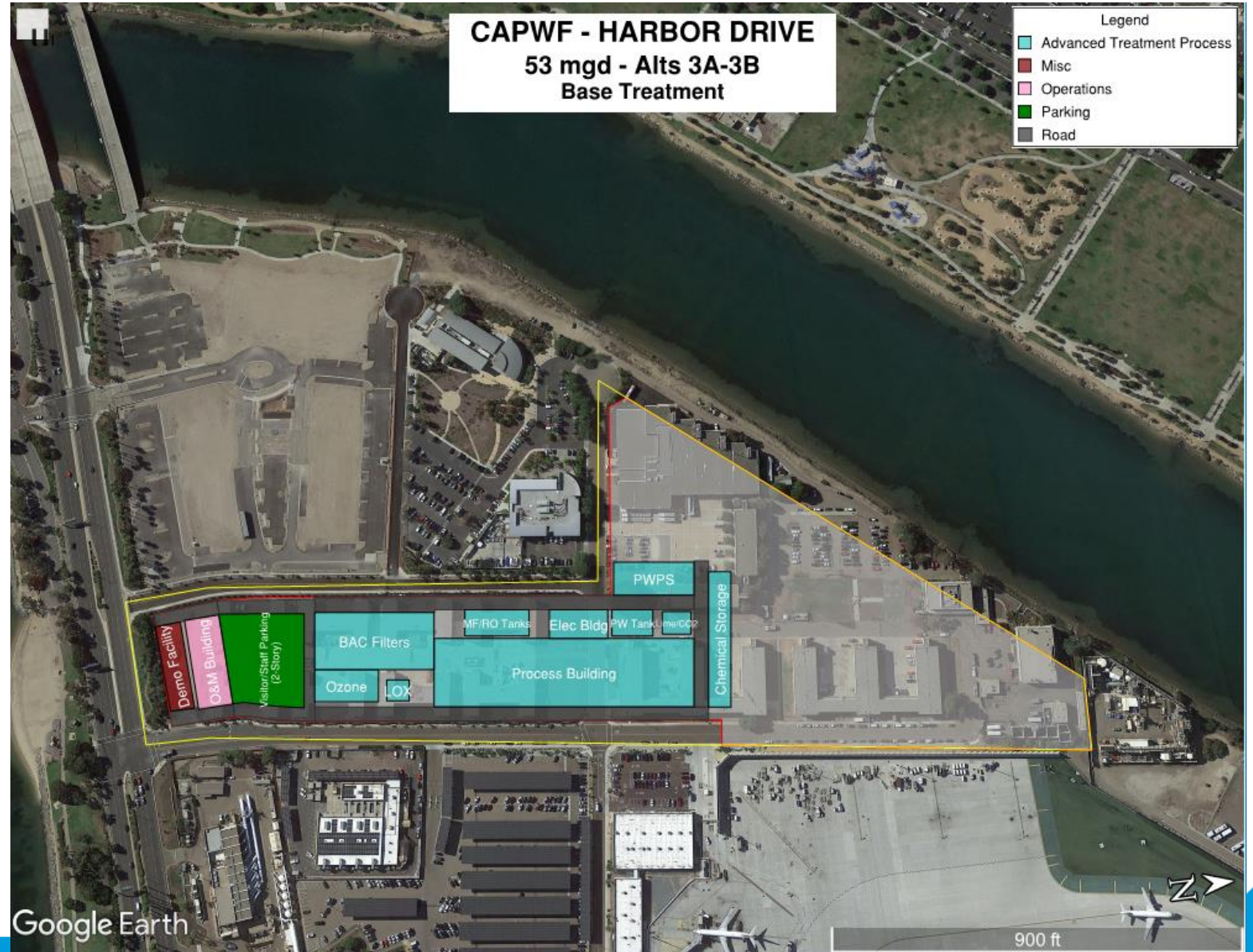
Alt	Influent PWWF (mgd)	CAWRP Influent AADF (mgd)
3B	316	70
3D	316	55



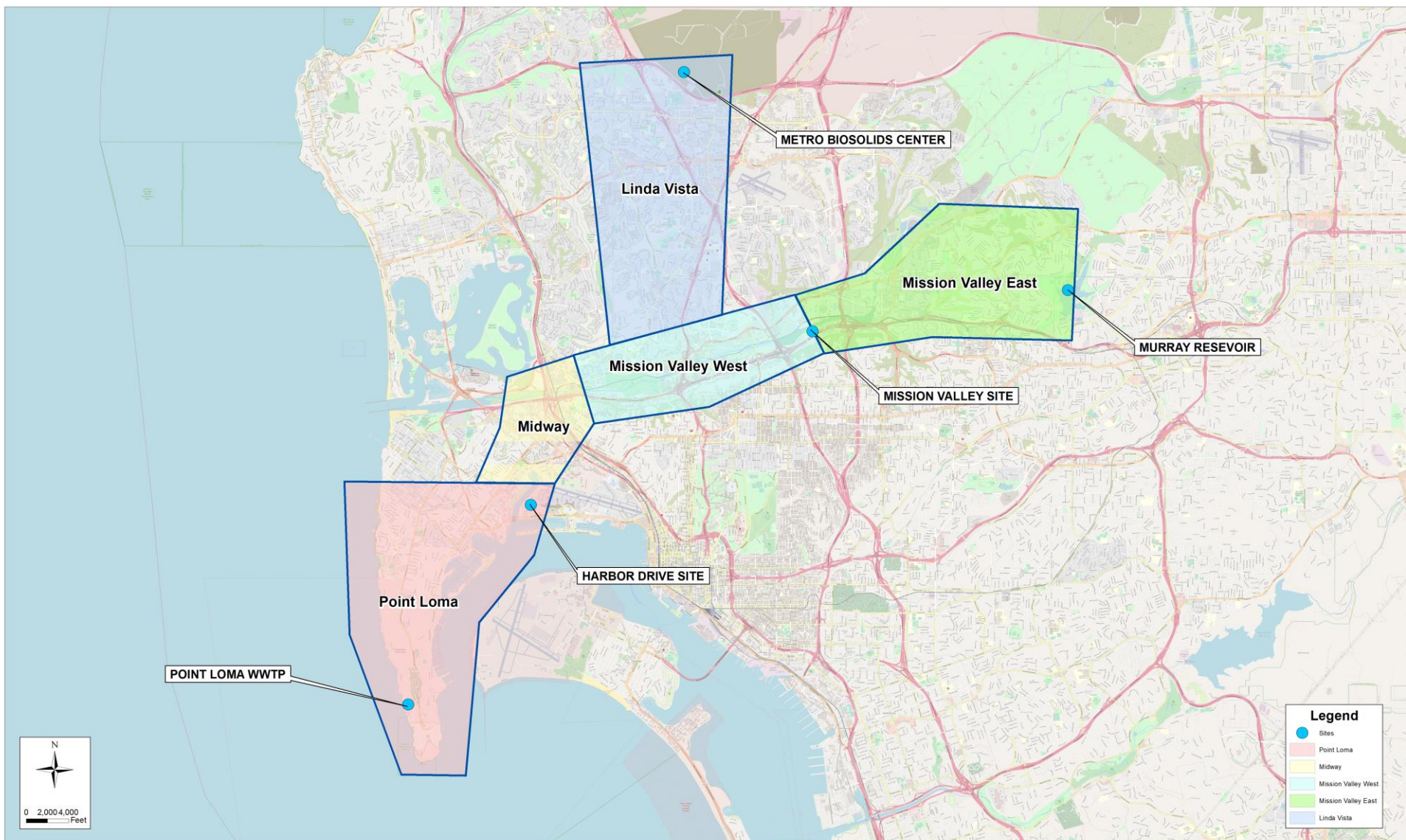
■ Treatment processes include:

- *Ozone*
- *BAC*
- *MF*
- *RO*
- *UV/AOP*
- *Post Treatment*

Alt	CAPWF Influent (mgd)
3A, 3B	66
3C, 3D	52

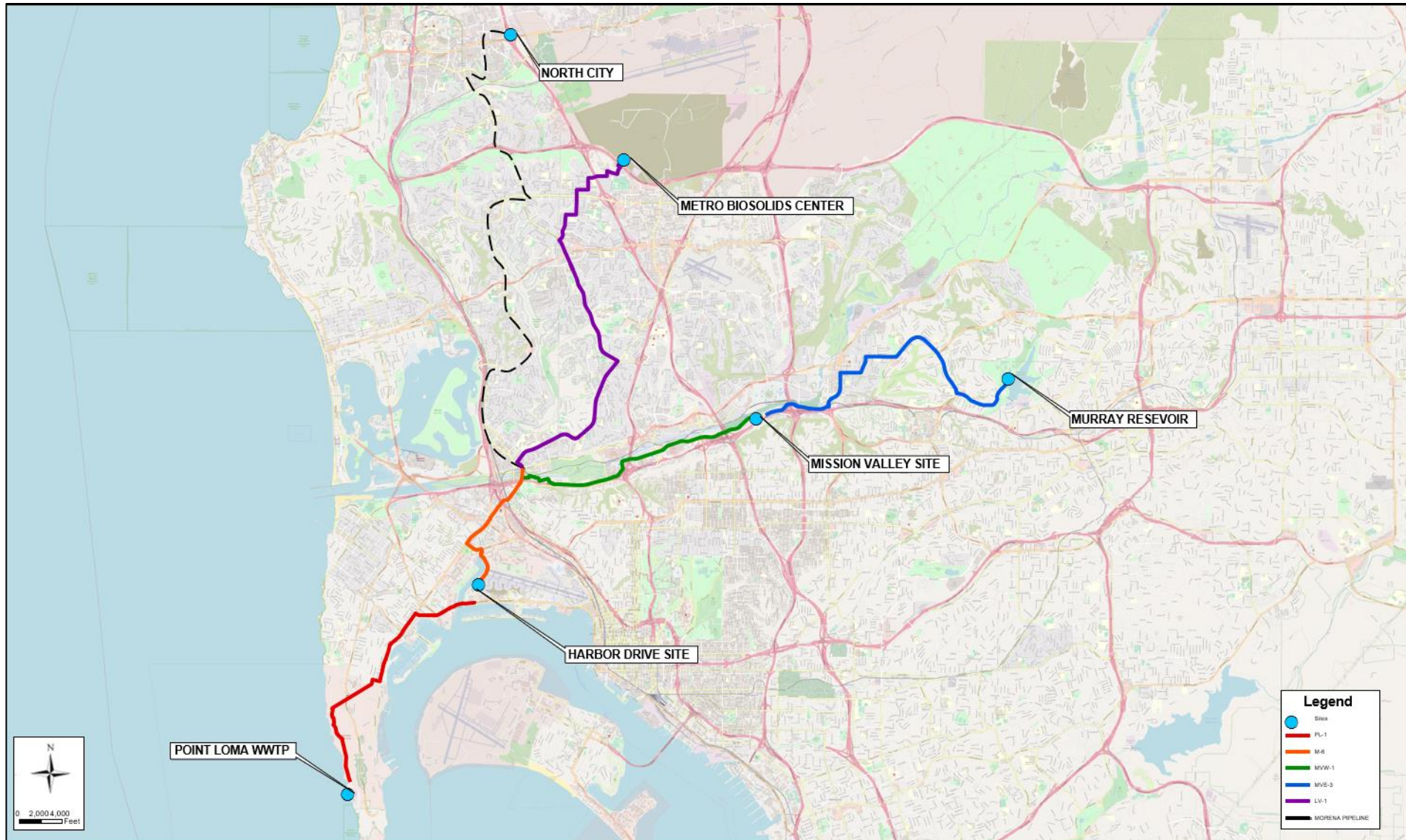


Conveyance Options





- 6 Routes analyzed
- 2 Bay options
- 2 Navy Channel crossing locations
- New tunnel location vs. existing tunnel location





Conceptual Phase 2 Schedule Milestones

Milestone	Phase 2
Phase 2 refinement of alternatives	January 2020 – March 2021
City recommends alternative for Phase 2	March 2021 – June 2021
Demonstration testing	February 2020 (planning) - 2026
10% Design	October 2024 – July 2025
Environmental Permitting	July 2025 – February 2030
30% Design	August 2026 – May 2027
Final Design	2027 - 2029
Construction	2029 – 2034 ⁽¹⁾

1. 2035 deadline for Pure Water production

- Complete Alternatives Definition
- Prepare Cost Estimates
- Develop Evaluation Matrix
- Prepare Technical Memorandum



ATTACHMENT 14

MetroTAC Work Plan

Metro TAC & JPA Work Plan
Active & Pending Items
April 2020
Updated Items in Red Italics

Active Items	Description	Member(s)
<i>Strategic Plan Ad Hoc</i>	The JPA last updated their strategic plan in 2015. The Ad Hoc was formed to determine should there be a 2019 strategic plan update and if so what format it should follow. First meeting held June 2019. Two work sessions to be held in August are planned with the goal of presenting a draft 2019 Strategic Plan to the JPA in October 2019. <i>4/20: Strategic Plan update is complete and can be found on JPA website.</i>	<i>Whitney Benzian Jerry Jones Gary Kendrick John Mullin Ed Spriggs JPA staff</i>
<i>SB 332 Working Group</i>	SB 332 (Hertzberg/Weiner) relates to wastewater treatment for recycled water and agencies with ocean outfalls. It 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. The working group was formed to track the process of this legislation.	<i>Yazmin Arellano Beth Gentry Hamed Hashemian</i>
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 1/19: Working group still meeting with PUD staff & consultants. 6/19: Working Group has presented an alternative plan in November 2018 which the City and their consultants are reviewing.	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. 1/19: This group continues to meet as needed.	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. 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. 6/19: Phase II alternative presented to Metro TAC in May and JPA in June 2019. Copy of presentation can be found in minutes to those meetings. Alternatives narrowed to two main alternatives. <i>4/20: JPA representatives still meeting w/SD staff and consultants. Alternatives have been narrowed to two.</i>	Roberto Yano Seval Sen Scott Tulloch Dexter Wilson SD staff & consultants

Metro TAC & JPA Work Plan
Active & Pending Items
April 2020
Updated Items in Red Italics

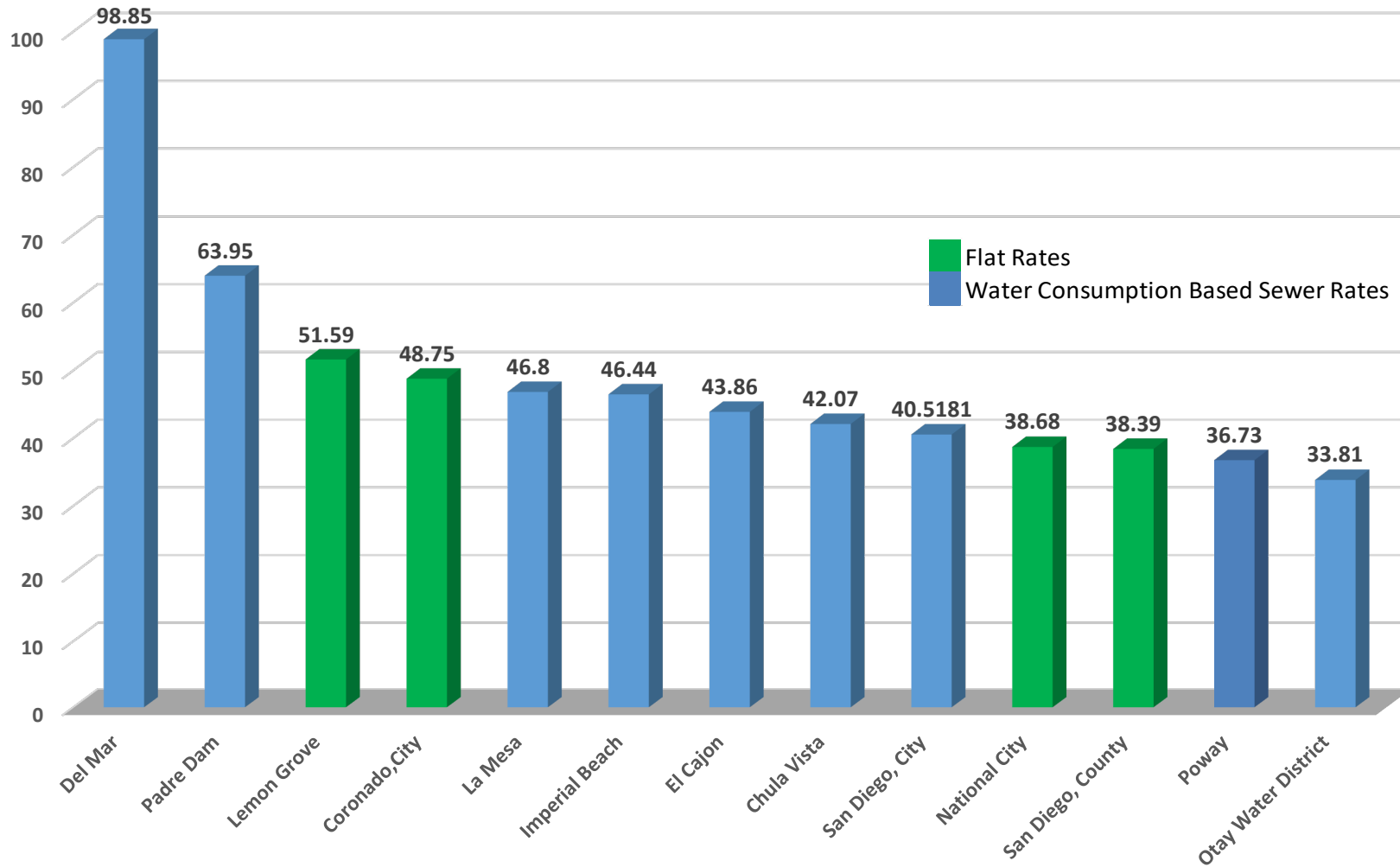
Active Items	Description	Member(s)
Residuals Management Working Group	This working group was formed to continue work on Sections 2.9.2 and 2.9.3 of the Amended and Restated Agreement regarding the potential transfer of the East Mission Gorge Pumps Station and the disposal, treatment, or transfer of residuals. 1/19: Group continues to meet. 3/19: Working Group has been meeting w/Padre Dam, Coronado, & Otay. 6/19: Draft agreement has been prepared and is being reviewed/refined. <i>4/20: Draft Agreement is in final stages and will hopefully be completed in June/July.</i>	Eric Minicilli Yazmin Arellano Dan Brogadir Seval Sen Scott Tulloch Dexter Wilson SD staff & consultants
Phase I Financial Implementation Working 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. 1/19: Working group had formation meeting. 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 complete. 6/19: Group will start meeting in July 2019 on a regular basis.	Roberto Yano 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. 1/19: Group will start meeting in February.	Roberto Yano Karyn Keese Scott Tulloch Dexter Wilson SD staff & consultants
Pretreatment Working Group	Formed to work with San Diego on new standards for industrial waste discharge. 1/19: SD has received draft report from consultant but has sent back for revisions. Second draft will be reviewed by working group. 6/19: Working group has met and reviewed draft of report. Presentation made by Stantec of recommendations to Metro TAC. Copy attached to June agenda.	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. 1/19: Working group formed. First meeting 2/20/19. 6/19: Group continues to meet and work on updating website. Goal is to totally revise New Director's Manual by end of October once Strategic plan is completed.	Roberto Yano Karyn Keese Lori Peoples Susan Spotts
Exhibit E Audit	1/19: FYE 2017 fieldwork complete. 3/19: FYE 2018 entrance conference complete. Sample selection complete. 6/19: FY 2018 fieldwork completed week of June 17, 2019. <i>4/20: FY 2018 audit/reconciliation should be complete in July. FY 2019 sample selection is complete.</i>	Karen Jassoy Karyn Keese Dexter Wilson
IRWMP	Members should monitor funding opportunities at: http://www.sdirwmp.org 1/19: PA representatives continue to report monthly at Metro TAC 3/19: Minutes from 3/20/19 Meeting attached to work plan. 6/19: Metro TAC given monthly updates. See Metro TAC minutes for updates.	Yazmin Arellano Beth Gentry



Metro TAC & JPA Work Plan
Active & Pending Items
April 2020
Updated Items in Red Italics

Active Items	Description	Member(s)
Strength Based Billing Evaluation	San Diego will hire a consultant every three years to audit the Metro metered system to insure against billing errors. 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. 3/20: JH will provide training schedule for SBB at April TAC meeting. <i>4/20: Presentation is complete. Since it is 2 hrs. in length PUD will wait to present when meetings can be resumed.</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

Sewer Rate Comparison for Metro Participating Agencies
Single Family Monthly Rates Based on 7 HCF of Water Usage
Effective January 1, 2020 for FY 2020



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	5/31/18

		Water (Mark Niemiec will participate)	
County of San Diego	Dan Brogadir	Request for Owner Controlled Insurance Program Interview (Pure Water)	2/25/19
Chula Vista	Frank Rivera Beth Gentry	Request for Owner Controlled Insurance Program Interview (Pure Water)	2/26/19
Imperial Beach	Eric Minicilli		
La Mesa	Hamed Hashemian		
Poway	Mike Obermiller Rudy Guzman		
El Cajon	Dennis Davies Yazmin Arellano		
Lemon Grove	Mike James		
National City	Roberto Yano		
Coronado	Ed Walton		
Otay Water District	Bob Kennedy		
Del Mar	Joe Bride		
Padre Dam	Mark Niemiec Sen Seval		
County of San Diego	Dan Brogadir		
Chula Vista	Frank Rivera		
Imperial Beach	Eric Minicilli		
La Mesa	Hamed Hashemian		
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