



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

AGENDA

Thursday, November 2, 2023 - 12:00 p.m.

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

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

NOTE: ANY MEMBER OF THE PUBLIC MAY ADDRESS THE METRO WASTEWATER JPA/COMMISSION ON ANY AGENDA ITEM. PLEASE COMPLETE A SPEAKER SLIP AND SUBMIT IT TO THE BOARD SECRETARY PRIOR TO THE START OF THE MEETING, IF POSSIBLE, OR IN ADVANCE OF THE SPECIFIC ITEM BEING CALLED. COMMENTS ARE LIMITED TO THREE (3) MINUTES PER INDIVIDUAL

**Documentation
Included**

1. **ROLL CALL**
2. **PLEDGE OF ALLEGIANCE TO THE FLAG**
3. **PUBLIC COMMENT:**
Persons speaking during Public Comment may address the Metro Wastewater JPA/Metro Commission on any subject matter within the jurisdiction of the Metro Wastewater JPA/Metro Commission that is not listed as an agenda item. Comments are limited to three (3) minutes.
4. **ACTION: APPROVAL OF AGENDA** (Chair Jones)
- X 5. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE REGULAR MEETING OF [October 5, 2023](#)** (Attachment)
- X 6. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE A FIRST AMENDMENT WITH ANON RISK INSURANCE SERVICES WEST FOR THE OWNER CONTROLLED INSURANCE PROGRAM** (Andrea Demich) (Attachment)
- X 7. **PRESENTATION: FUNCTIONAL DESIGN BASED COST ALLOCATION** (Dexter Wilson) (Attachment)

Documentation
Included

8. **UPDATE: METRO WASTEWATER (General)** (Lisa Celaya)
 - a. April 2020 Spill Update
 - b. January 2023 Spill Update
9. **UPDATE: PURE WATER PROGRAM** (Amy Dorman)
10. **UPDATE: METRO TAC UPDATE/REPORT (Standing Item)** (Beth Gentry)
 - a. Appointment of Chair and Vice Chair of Metro TAC
11. **REPORT: AD HOC COMMITTEE ON SECOND AMENDED AND RESTATED METRO AGREEMENT** (Chair Jones)
12. **REPORT: IROC** (Chair Jones)
13. **REPORT: FINANCE COMMITTEE** (Bill Baber)
14. **REPORT: GENERAL COUNSEL** (Adriana Ochoa)
15. **PROPOSED AGENDA ITEMS FOR THE NEXT METRO JPA/COMMISSION MEETING December 7, 2023**
16. **METRO COMMISSIONERS AND JPA DIRECTORS COMMENTS**
17. **ADJOURNMENT**

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

Materials provided to the Metro Wastewater JPA/Metro Commission related to any open-session item on this agenda are available for public review at our website: <https://www.metrojpa.org>

In compliance with the AMERICANS WITH DISABILITIES ACT

Persons with disabilities that require modifications or accommodations, please contact General Counsel Adriana Ochoa at adriana.ochoa@procopio.com by no later than two hours prior to the meeting to request reasonable modifications or accommodations consistent with the Americans with Disabilities Act and Metro JPA/Commission shall promptly work with you to resolve the matter in favor of accessibility.

Metro JPA 2023 Meeting Schedule

January 5, 2023	February 2, 2023	March 2, 2023
April 6, 2023	May 4, 2023	June 1, 2023
July 6, 2023	August 3, 2023	September 7, 2023
October 5, 2023	November 2, 2023	December 7, 2023

ATTACHMENT 5

Minutes from
October 5, 2023



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

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

October 5, 2023

Minutes

Chairman Jones called the meeting to order at 12:03 p.m. A quorum of the Metro JP/Commission was declared, and the following representatives were present:

1. ROLL CALL

<u>Agencies</u>	<u>Representatives</u>	<u>Alternate</u>
City of Chula Vista	Jose Preciado	
City of Coronado	John Duncan	
City of Del Mar	Dwight Worden	
City of El Cajon	Gary Kendrick	
City of Imperial Beach	Mitch McKay (absent)	
City of La Mesa	Bill Baber (absent)	
Lemon Grove San District	Jerry Jones	
City of National City	Ditas Yamane	
City of Poway	Peter De Hoff	
County of San Diego	Joel Anderson	
Otay Water District	Mark Robak	
Padre Dam MWD	Karen Jassoy	

Others present: Metro JPA General Counsel Adriana Ochoa - Procopio; Metro JPA/Commission Board Secretary Lori Anne Peoples; Beth Gentry – City of Chula Vista, MetroTAC Chair; None – City of Coronado; Yazmin Arellano, MetroTAC Vice Chair - City of El Cajon; Eric Minicilli – City of Imperial Beach; None – City of La Mesa; Izzy Murguia – Lemon Grove Sanitation District; None – City of National City; Bob Kennedy – Otay Water District; Peejay Tubongbauna – Padre Dam Municipal Water District; None – City of Poway; Lisa Celaya, Amy Dorman, Doug Campbell - City of San Diego Staff and Doug Owen – City of San Diego Consultant; None – County of San Diego; Metro JPA Staff: Scott Tulloch – NV5; Dexter Wilson, Wilson Engineering

2. PLEDGE OF ALLEGIANCE TO THE FLAG

Director Anderson, County of San Diego, led the pledge.

3. PUBLIC COMMENT

None.

4. ACTION: APPROVAL OF AGENDA

Chair Jones requested approval of the agenda.

ACTION: Motion by Director Anderson, seconded by Director Duncan to approve the agenda as submitted. Motion carried as follows:

AYES: Preciado, Duncan, Worden, Kendrick, Jones, Yamane, Robak, Jassoy, De Hoff, Anderson
NAYS: None
ABSTAIN: None
ABSENT: McKay, Baber

5. ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE REGULAR MEETING OF August 3, 2023

ACTION: Motion by Director Anderson, seconded by Director Duncan to approve the agenda as submitted. Motion carried as follows:

AYES: Preciado, Duncan, Worden, Kendrick, Jones, Yamane, Robak, Jassoy, De Hoff, Anderson
NAYS: None
ABSTAIN: None
ABSENT: McKay, Baber

6. PRESENTATION: 2nd AMENDED RESTATED AGREEMENT PROCESS

Dexter Wilson provided a brief verbal overview of his PowerPoint presentation included in the agenda package. It consisted of an ARA flow chart, and he briefly explained each step of the process and protocols noting that it was getting more involved. Currently CIP is based on flow & strength and the proposal is to switch to a fixed charge based on each agency's capacity rights like most other agencies allocate costs to their members. This new system of billing charges is currently being prepared by an outside consultant and has been conceptually agreed upon by the city of San Diego and JPA Negotiating Team. The JPA's General Counsel is working on drafting the 2nd ARA with this new methodology incorporated.

7. PRESENTATION: PEAK WEATHER FLOWS

Dexter Wilson provided a brief verbal overview of his PowerPoint presentation included in the agenda package. He emphasized several times that this is DRAFT. As he provided the presentation, he covered: peak flow calculations from the existing metering system; different peak flow methodologies; and a revised Exhibit B with the new peak flows capacities. An example using the City of Chula Vista's metering system, along with the proposed Chula Vista peak billing formula, and a dry weather flow comparison was presented. Mr. Wilson noted that they are utilizing the existing Metro metering system that records hourly flows whereas they have only used average yearly previously provided from the metering data. The analysis shown in the presentation reviews five alternatives on how to use the existing system data to determine peak flow capacities for each agency. Mr. Wilson stressed that each of the PAs should set an appointment with him to go over their individual data to see if revisions are needed to the draft capacities contained in draft Exhibit B. He is currently working with Otay, Padre and La Mesa on their respective numbers. The City of San Diego feels Method 4 is the preferred alternative for determining peak flow capacities and annual peak flows as while being one of the most accurate it is the easiest to implement. Currently Alternative 4 uses when peak flows hit Pt. Loma and the time period of 24 hours prior and after that which would provide when each individual agency peaks in the system.

8. UPDATE: METRO WASTEWATER

a. April 2020 Spill Update

Lisa Celaya noted that Pump Station 1 had been changed to a Design Build.

b. January 2023 Spill Update

Lisa Celaya stated she had no update on this item.

Lisa Celaya introduced Doug Campbell who is the new Pure Water Ops Director.

9. **UPDATE: PURE WATER PROGRAM**

a. **Quarterly Update**

Amy Dorman, city of San Diego and Doug Owen of Stantec stated that they were going to the Environmental Commission next Thursday. Doug then provided an overview of the spreadsheet covering the 4th quarter of 2023 contract status, included in the agenda package.

10. **UPDATE: METRO TAC REPORT**

MetroTAC Chair Gentry stated that all items had been seen by MetroTAC.

11. **DISCUSSION: DISCUSSION AND POSSIBLE APPROVAL OF AD HOC COMMITTEE FOR METRO ORGANIZATION**

Chair Jones stated he felt it time to look into having a defined manager for the agency. He has spoke with General Counsel in terms of what this would look like and understands that it would require some Bylaw changes. Also, it could be a part-time position. Additionally, he felt that Board participation would help to look into management and reorganization of the JPA.

Chair Jones appointed himself, Director Kendrick, Director Jassoy and Director Preciado to the Reorganization Ad Hoc Committee which he anticipates will hold 2 meetings.

ACTION: Motion by Director Duncan, seconded by Director Yamane to approve the formation of an Ad Hoc Committee to look into possible reorganization of the JPA and bringing in a part-time manager. Motion carried as follows:

AYES: Preciado, Duncan, Worden, Kendrick, Jones, Yamane, Robak, Jassoy, De Hoff, Anderson

NAYS: None

ABSTAIN: None

ABSENT: McKay, Baber

At 1:23 PM Director Worden left the meeting

12. **REPORT: AD HOC COMMITTEE ON SECOND AMENDED AND RESTATED METRO AGREEMENT**

Chair Jones stated that at the last Ad Hoc meeting they had discussed everything that the JPA board had seen today.

13. **FINANCE COMMITTEE:**

No report.

14. **GENERAL COUNSEL:**

No report.

15. **PROPOSED AGENDA ITEMS FOR THE NEXT METRO JPA/COMMISSION MEETING NOVEMBER 2, 2023**

None.

16. **METRO JPA DIRECTORS' COMMENTS**

None.

General Counsel Ochoa requested a Recess to hold closed session on the following 2 items:

17. **CLOSED SESSION**

CONFERENCE WITH LEGAL COUNSEL – Potential Litigation (Gov. Code 54956.9(d)(4)) One (1) potential matter

18. **CLOSED SESSION**

CONFERENCE WITH LEGAL COUNSEL – Potential Litigation (Gov. Code 54956.9(d)(2)) One (1) potential matter

At 1:25 PM the Directors left the dais and went to a conference room to hold the above closed sessions.

At 2:10 PM The Directors returned to the dais and General Counsel stated there was no report out.

19. **ADJOURNMENT**

Chair Jones declared the meeting adjourned at 2:12 pm.

ATTACHMENT 6

FIRST AMENDMENT WITH
ANON RISK INSURANCE
SERVICES WEST FOR
THE OWNER CONTROLLED
INSURANCE PROGRAM

METRO JPA/TAC
Staff Report
Date: 10/10/2023

Project Title:

First Amendment to the agreement with AON Risk Insurance Services West, Inc. for the Owner Controlled Insurance Program

Presenter(s) Name:

Andrea Demich

Presenter(s) Title:

Assistant Deputy Director

Requested Action:

1. Authorization to execute the First Amendment to the agreement with AON Risk Insurance Services West, Inc. for the Owner Controlled Insurance Program (OCIP) for an additional amount not to exceed \$886,772.04, thus increasing the total not to exceed amount of the agreement to \$1,886,522.04; and
2. Authorization to expend an amount not to exceed \$886,772.04 of which \$164,016.71 is estimated to be spent in Fiscal Year 2024, \$62,326.35 from Fund 700001, Metro Sewer Utility Fund, and \$101,690.36 from Fund 700011, Water Utility Operating Fund, and \$722,755.33 for the remaining contract term, estimated to be \$274,647.03 from Fund 700001, Metro Sewer Utility Fund, and \$448,108.30 from Fund 700011, Water Utility Operating Fund.

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:	\$336,973.38 for Pure Water Metro Sewer + \$0 Muni Sewer + \$549,798.66 Water
Fiscal impact to the Metro JPA:	Pure Water Phase 1: 33.5% of Metro cost (~\$112,886.08)

Capital Improvement Program:

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

Previous TAC/JPA Action:

None

Additional/Future Action:

Present item to Metro JPA/ Metro Commission in November 2023

City Council Action:

City Council approval expected in November 2023

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

Owner-Controlled Insurance Programs (OCIPs) have been utilized in many large public works programs, including the San Diego County Water Authority's recent \$1 billion Emergency Storage Project. The key benefits of an OCIP are economies of scale-driven cost savings on insurance

coverage, centralized claims management, standardized insurance coverage, and a uniform safety program that applies to all construction projects under Phase 1 of the Pure Water Program.

In January 2019, the Public Utilities Department retained AON Risk Insurance Services West, Inc. to be the City's OCIP broker of record to place an OCIP on the City's behalf. Utilizing the OCIP Broker of Record, the City solicited and procured insurance policies for workers compensation, general, excess, pollution liability, and builder's risk insurance to provide insurance coverage for Phase 1 of the Pure Water Program. The insurance obtained provides coverage for the City, the prime contractors, and all subcontractors at all tiers, with some exceptions. The initial insurance coverage period was for five years, effective July 21, 2019, to cover the construction activities from Contractor Notice-To-Proceed (NTP) until Notice of Completion (NOC). At the NOC date, the Builder's Risk policy will end coverage. The General Liability has an additional 10-year completed operations coverage period that complies with California Code of Civil Procedure Sections 337.1 and 337.15, starting at the NOC date, to process claims. At the end of the 10-year "tail," the General Liability policy will end. The City also obtained the option to buy out Workers Comp claims against any future exposure to keep the Workers Compensation claims from being in force as ongoing liability against the City.

In 2019, the Associated General Contractors of America (AGC), San Diego Chapter, filed a lawsuit against the City of San Diego which delayed the implementation of the Pure Water Program by approximately 18 months. As a result of this delay and to provide continuous support of construction, the Public Utilities Department is required to extend the duration of the agreement with AON Risk Insurance Services West, Inc. and there is a cost impact of \$886,772.04.

Amendment No. 1 to the agreement with AON Risk Insurance Services West, Inc. will provide the necessary funding to continue the administration of the OCIP insurance coverage for Phase 1 of Pure Water. The additional cost for this amendment will cover administration services, claims management, safety and loss control services, risk management information system services, and close out services. The amount for Amendment 1 is less than the original agreement amount even though it will provide the same duration of AON services. This is because it is anticipated that services in the later years of when the projects will be in the closeout process, will primarily relate to audits, post construction close out services with contractors, and resolving Workers Compensation claims. Amendment No. 1 is for a total not-to-exceed amount of \$886,772.04 which will increase the total contract amount from \$999,750 to \$1,886,522.04. Amendment No. 1 will also extend the contract term for an additional 5 years to January 7, 2029.

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

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

Public Utilities Department

First Amendment to the Agreement with AON Risk Insurance Services West, Inc. for the Owner-Controlled Insurance Program (OCIP)

Metro TAC

October 18, 2023

Background

- Retained AON Risk Insurance Services West, Inc. to place an Owner Controlled Insurance Program (OCIP)
- AON solicited and procured insurance policies for different types of coverage
- Covers construction of Pure Water Phase 1
- Current amount: \$999,750
- Current contract duration: 1/2019 - 1/2024

Requested Action for Amendment No. 1

- Approve Amendment No. 1 - total not to exceed amount of \$886,772.04
 - *Total contract amount from \$999,750 to \$1,886,522.04*
- Extend the contract term for an additional 5 years to January 2029
- The additional cost will cover:
 - *administration services*
 - *claims management*
 - *safety and loss control services*
 - *close out services*

Questions



ATTACHMENT 7

FUNCTIONAL DESIGN BASED COST ALLOCATIONS

NOVEMBER 2023

FUNCTIONAL DESIGN BASED COST ALLOCATION

WHAT IS FUNCTIONAL DESIGN BASED COST ALLOCATION (FDBCA)?

Amended Restated Agreement (ARA) definition:

Functional-Design Methodology shall mean the process of allocating Operation and Maintenance Costs and Capital Improvement Costs to Fixed and Variable Flow, Brine and Strength parameters recognizing the benefits of both the design criteria and the primary function of a unit process.

Water Environment Federation, Manual of Practice 27 on the functional-design cost allocation approaches:

- The **design-basis cost-allocation** methodology allocates costs based on the design of the system components.
- The **functional cost-allocation** methodology allocates costs based on the function each process serves.

What is it:

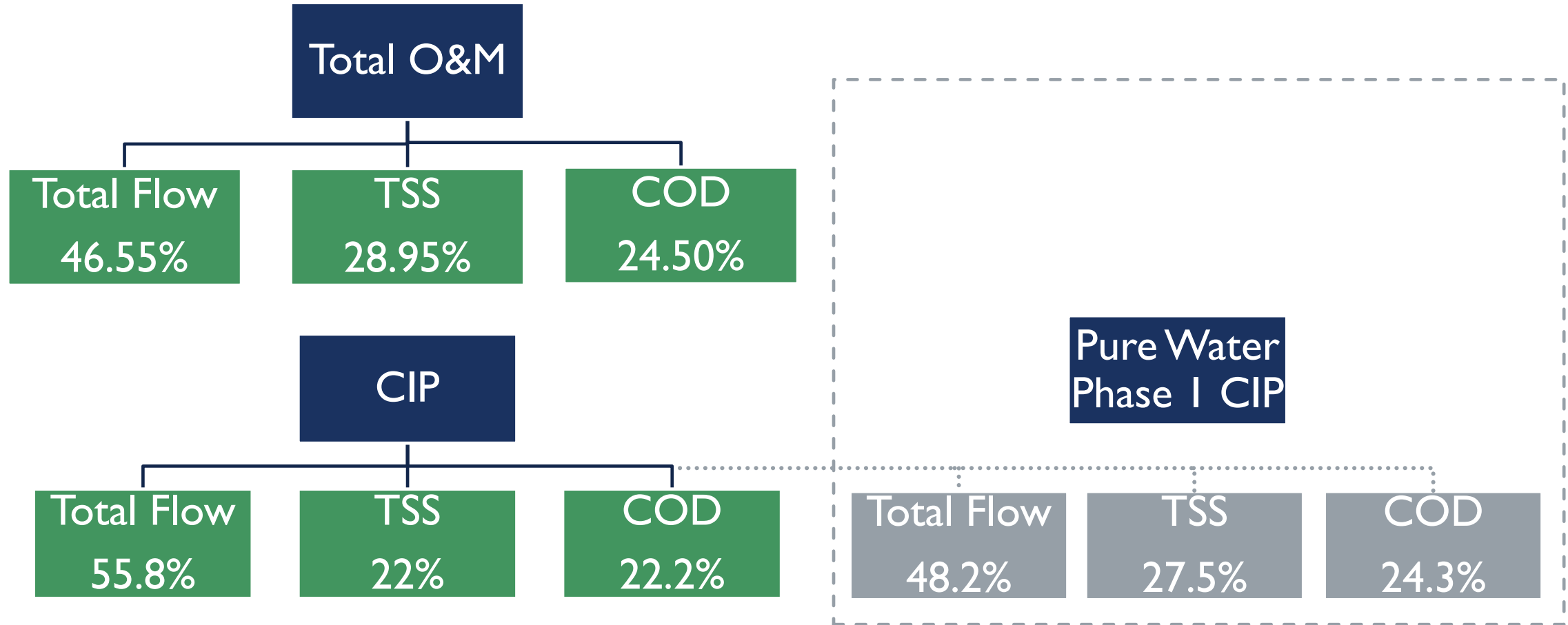
Assigns cost split between flow, COD, and TSS to each unit process in a facility (screens, grit removal, primary clarifiers, etc.)



CURRENT FUNCTIONAL-DESIGN ALLOCATIONS

- Prepared in 1991 by Montgomery Watson
 - Approved by EPA/SWRCB as basis of the City of San Diego' Clean Water Revenue Program
- Based on planning numbers for Original Clean Water Program facilities
- Has not been modified or updated since 1991
- Metro rates to PA's have been based on only flow and strengths as set in the 1991 Revenue Program
 - Fixed Cost added in ARA for Pure Water Phase I Capital Costs

HISTORICAL PERSPECTIVE



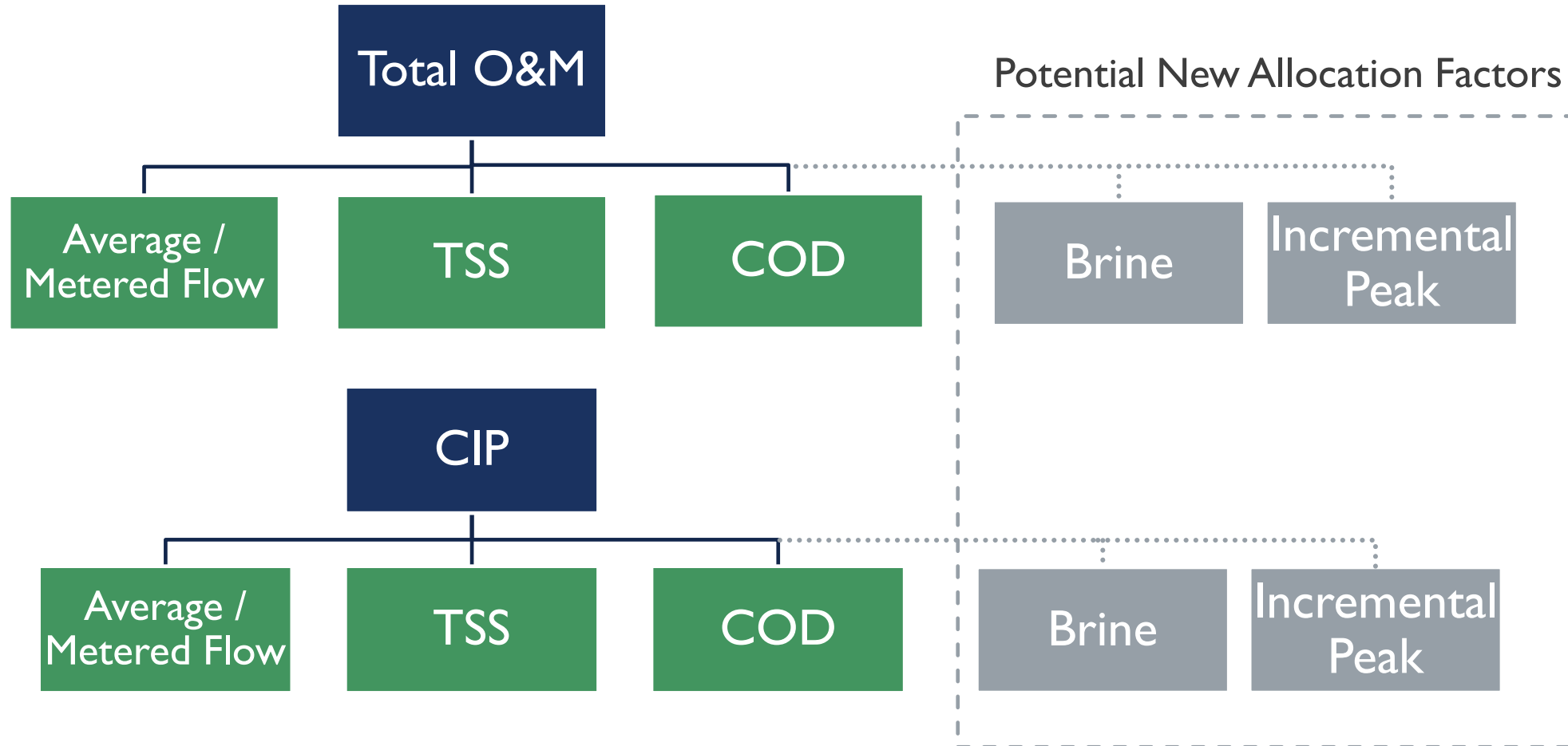
WHERE/HOW THEY ARE USED NOW

TABLE D

CITY OF SAN DIEGO - PUBLIC UTILITIES DEPARTMENT
 ALLOCATION OF FISCAL YEAR 2024 ESTIMATED BUDGET
 FUNCTIONAL-DESIGN BASED ALLOCATION METHOD

DESCRIPTION	FY 2024 BUDGET COSTS	ALLOCATION OF COSTS						
		FLOW %	FLOW COSTS	SS %	SS COSTS	COD %	COD COSTS	TOTAL COSTS
<u>OPERATION AND MAINTENANCE:</u>								
TRANSMISSION AND SYSTEM MAINTENANCE	\$21,261,112	100.0%	\$21,261,112	0.0%	\$0	0.0%	\$0	\$21,261,112
OPERATIONS & MAINTENANCE	\$73,824,128	36.6%	\$27,047,166	33.8%	\$24,919,210	29.6%	\$21,857,752	\$73,824,128
TECHNICAL SERVICES	\$11,916,276	30.0%	\$3,574,883	40.0%	\$4,766,510	30.0%	\$3,574,883	\$11,916,276
COGENERATION	\$3,426,573	0.0%	\$0	60.0%	\$2,055,944	40.0%	\$1,370,629	\$3,426,573
METRO ADMIN & GENERAL EXPENSES - 41508	\$25,181,048	45.7%	\$11,516,959	29.3%	\$7,384,765	24.9%	\$6,279,325	\$25,181,048
METRO ADMIN & GENERAL EXPENSES - 41509	\$29,265,417	45.7%	\$13,385,011	29.3%	\$8,582,574	24.9%	\$7,297,832	\$29,265,417
PURE WATER O & M	\$4,645,891	45.7%	\$2,124,873	29.3%	\$1,362,486	24.9%	\$1,158,532	\$4,645,891
TOTAL OPERATIONS AND MAINTENANCE	\$169,520,444	46.55%	\$78,910,003	28.95%	\$49,071,488	24.50%	\$41,538,953	\$169,520,444
<u>CAPITAL IMPROVEMENT PROGRAM:</u>								
PAY-AS-YOU-GO METRO 41509	\$32,569,264	55.8%	\$18,171,966	22.0%	\$7,164,513	22.2%	\$7,232,785	\$32,569,264
DEBT SERVICE	\$53,860,831	55.8%	\$30,051,560	22.0%	\$11,848,184	22.2%	\$11,961,087	\$53,860,831
TOTAL NON-PUREWATER CAPITAL IMPROVEMENT PROGRAM	\$86,430,095	55.8%	\$48,223,526	22.0%	\$19,012,698	22.2%	\$19,193,871	\$86,430,095
TOTAL O&M & CAPITAL IMPROVEMENT PROGRAM	\$255,950,539	49.7%	\$127,133,529	26.6%	\$68,084,185	23.7%	\$60,732,825	\$255,950,539
PURE WATER CAPITAL RATE COST (PAY-GO)	\$14,035,210	48.2%	\$6,764,971	27.5%	\$3,859,683	24.3%	\$3,410,556	\$14,035,210

FUNCTIONAL-DESIGN ALLOCATIONS





CURRENT RATE STUDY PROCESS

1. Stantec is doing the study
2. Stantec split past CIP costs by facility
3. Worked with SD operations & engineering staff to review functional basis specific to each plant and other CIP
 - Review and affirm allocations based on process and asset changes, and projected staffing and operating costs

PROPOSED FUNCTIONAL DESIGN ALLOCATIONS

- We used 2019 audited cost for this example
- In FY 2027 and FY 2035 things change with the potable reuse projects
 - Point Loma and Pump Station 2 stand ready to process brine and peak flows from wet weather events
 - Anyone with capacity rights pays some of these costs related to peak weather events even in dry years
 - Cost structure incentivizes potable reuse in the system and tracks the infrastructure treating brine
 - San Diego Water becomes a new large payer into the system
 - Metro benefits if water produced is still cheaper than CWA Water
- Capacity rights now have a cost if capacity is not used and I&I has a bigger impact to waste discharger's cost

PROPOSED O&M (FUNCTIONAL) ALLOCATIONS

North City Allocations

Plant	Processes	Cost Weight	Flow	COD	TSS
<i>NORTH CITY WATER RECLAMATION PLANT</i>	Influent Pump Station	5%	100%	0%	0%
<i>NORTH CITY WATER RECLAMATION PLANT</i>	Screening	3%	90%	0%	10%
<i>NORTH CITY WATER RECLAMATION PLANT</i>	Grit Removal	7%	50%	0%	50%
<i>NORTH CITY WATER RECLAMATION PLANT</i>	Primary Sedimentation	25%	50%	0%	50%
<i>NORTH CITY WATER RECLAMATION PLANT</i>	Aeration	40%	50%	50%	0%
<i>NORTH CITY WATER RECLAMATION PLANT</i>	Secondary Clarification	20%	50%	35%	15%

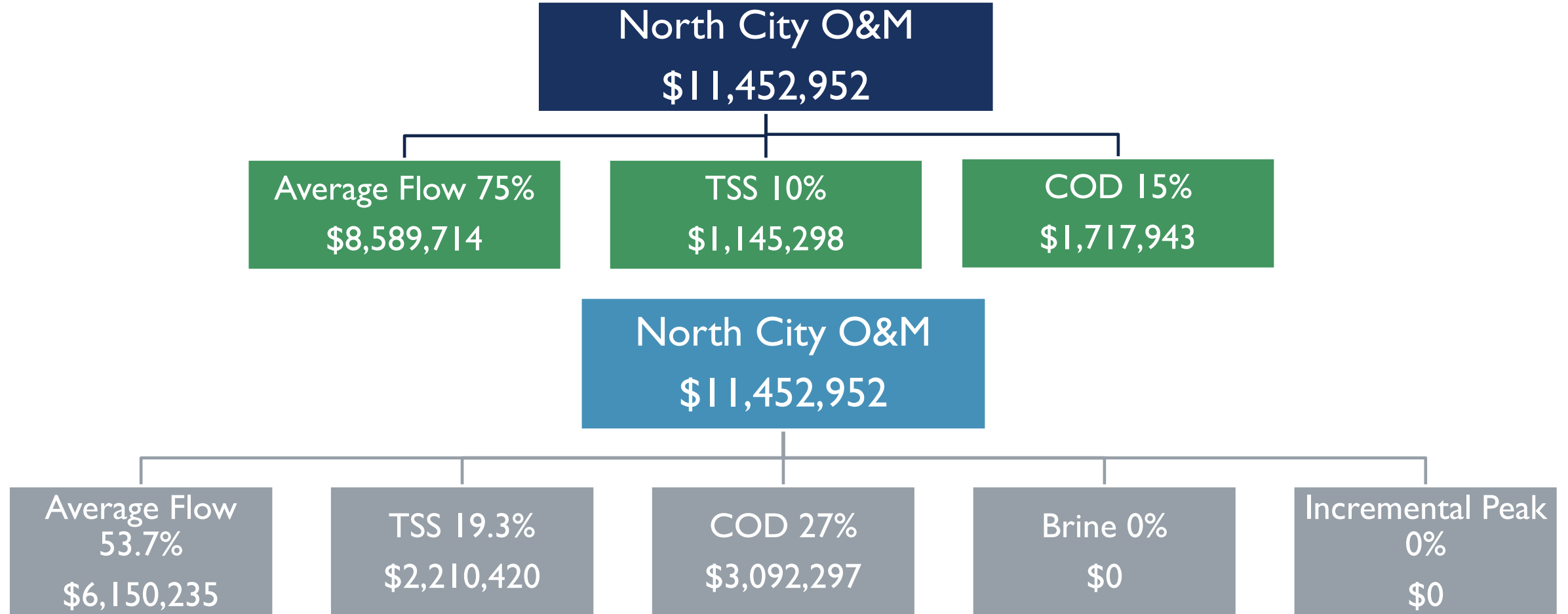
Asset Allocation Percentages		Flow	COD	TSS	Brine	Incremental Peak Capacity
North City Water Reclamation Plant	100.0%	53.7%	27.0%	19.3%	0.0%	0.0%

Point Loma Allocations

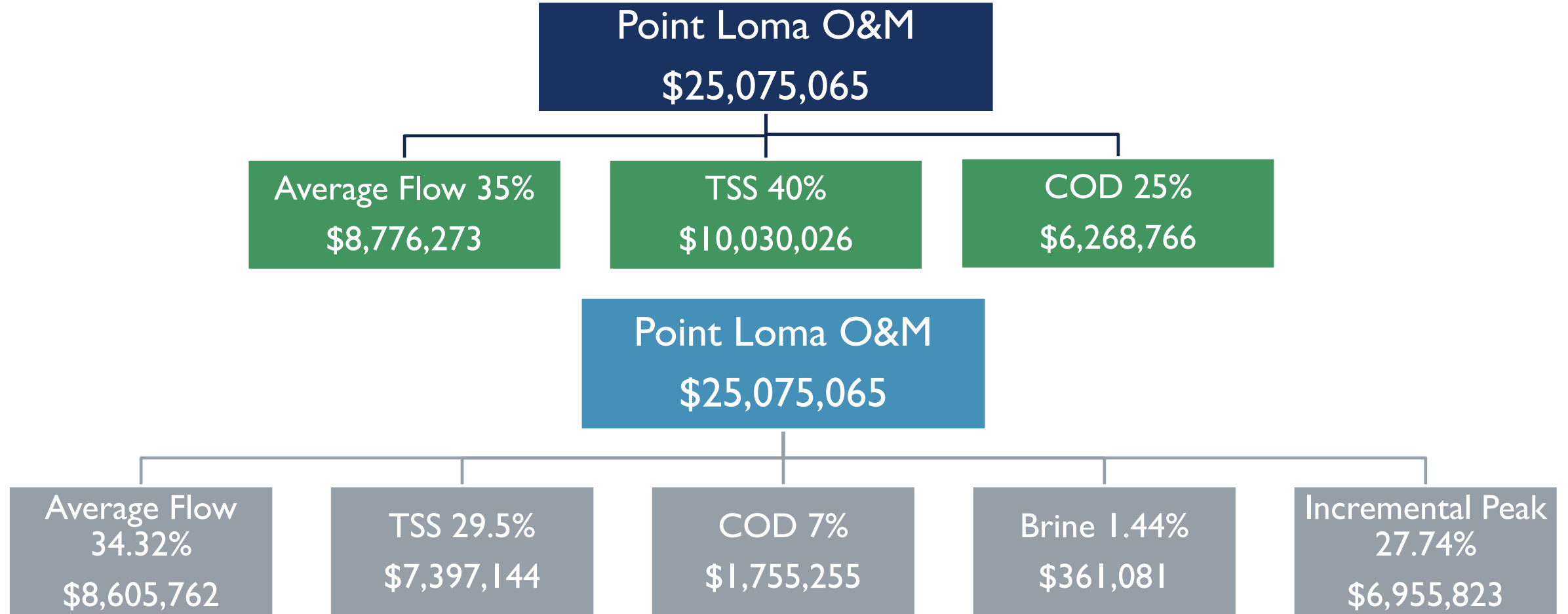
Plant	Processes	Cost Weight	Flow	COD	TSS
<i>POINT LOMA WASTEWATER TREATMENT PLANT</i>	Screening	10%	90%	0%	10%
<i>POINT LOMA WASTEWATER TREATMENT PLANT</i>	Grit Removal	15%	50%	0%	50%
<i>POINT LOMA WASTEWATER TREATMENT PLANT</i>	Primary Clarifier	50%	60%	10%	30%
<i>POINT LOMA WASTEWATER TREATMENT PLANT</i>	Chemical Systems	20%	60%	10%	30%
<i>POINT LOMA WASTEWATER TREATMENT PLANT</i>	Post-Clarifier	5%	100%	0%	0%

Asset Allocation Percentages		Flow	COD	TSS	Brine	Incremental Peak Capacity
Point Loma Wastewater Treatment Plant	100.0%	34.3%	7.0%	29.5%	1.4%	27.7%

NORTH CITY WRP – FY19 O&M COMPARISON CURRENT VS PROPOSED



POINT LOMA – FY19 O&M COMPARISON CURRENT VS PROPOSED



PROPOSED MBC ALLOCATIONS

O&M (Functional) Allocations

Plant	Processes	Cost Weight	Flow	COD	TSS
METRO BIOSOLIDS CENTER		2023	5%	10%	85%
METRO BIOSOLIDS CENTER		2027	5%	25%	70%
METRO BIOSOLIDS CENTER		2035	5%	50%	45%

2027 = Phase 1 Pure Water goes online and the amount of secondary solids increases

2035 = Phase 2 Pure Water goes online and the amount of secondary solids increases again

FY19 O&M COMPARISON SUMMARY

Plant	Average Flow	TSS	COD
North City	\$8,589,714	\$1,145,295	\$1,717,943
South Bay	\$6,967,751	\$929,033	\$1,393,550
Point Loma	\$8,776,273	\$10,030,026	\$6,268,766
MBC	\$0	\$8,082,067	\$8,082,067
TOTAL	\$24,333,737	\$20,186,421	\$17,462,326

Plant	Average Flow	TSS	COD	Brine	Incremental Peak
North City	\$6,150,235	\$2,210,420	\$3,092,297	\$0	\$0
South Bay	\$4,807,748	\$2,043,873	\$2,438,713	\$0	\$0
Point Loma	\$8,605,762	\$7,397,144	\$1,755,255	\$361,081	\$6,955,823
MBC	\$808,207	\$13,739,513	\$1,616,413	\$0	\$0
TOTAL	\$20,371,952	\$25,390,950	\$8,902,678	\$361,081	\$6,955,823