



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

**AGENDA**

**Thursday, August 4, 2022 - 12:00 p.m.**

*"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." "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."*

IN LIGHT OF THE PROCLAIMED STATE OF EMERGENCY RELATED TO THE COVID-19 PANDEMIC, AND PURSUANT TO GOVERNMENT CODE SECTION 54953(e)(1), THIS METRO COMMISSION/METRO WASTEWATER JPA MEETING WILL BE CONDUCTED REMOTELY AND THERE WILL BE NO PHYSICAL LOCATION FOR IN-PERSON ATTENDANCE. THIS MEETING SHALL ONLY BE ACCESSIBLE TO MEMBERS OF THE PUBLIC TELEPHONICALLY OR VIA ZOOM. ALL MEMBERS OF THE PUBLIC WISHING TO OBSERVE THIS PUBLIC MEETING MUST DIAL IN TO THE TELEPHONE NUMBER INDICATED BELOW OR JOIN THE MEETING BY COMPUTER USING THE LINK BELOW, AND WHEN PROMPTED, USE THE MEETING ID IDENTIFIED BELOW. FURTHER DETAILS ARE BELOW.

**Note:** Any member of the public may provide comments to the Metro Commission/Metro Wastewater JPA on any agenda item or on a matter not appearing on the agenda, but within the jurisdiction of the Committee. Public comments must be submitted in either of the following manners:

1. **Providing Oral Comments During Meeting.** To provide comments in real time during the meeting, join the Zoom meeting by computer, mobile phone, or dial-in number. On Zoom video conference by computer or mobile phone, use the "Raise Hand" feature. This will notify the Secretary that you wish to speak during a specific item on the agenda or during non-agenda Public Comment. If joining the meeting using the Zoom dial-in number, you can raise your hand by pressing \*9. Comments will be limited to three (3) minutes
2. **Written Comments.** In order to provide written public comments, your comments must be submitted prior to the start of the meeting to [lpeoples@chulavistaca.gov](mailto:lpeoples@chulavistaca.gov). Please indicate whether your comment is on a specific agenda item or a non-agenda item. Comments are limited to four hundred (400) words. Please submit written comments at least two (2) hours before the start of the meeting. All comments received by such time will be provided to the Committee members in writing. At the discretion of the Chair, the first five (5) comments received on each agenda item, or on non-agenda matters, may be read into the record at the meeting. Comments received less than two (2) hours prior to the start of the meeting will be collected, sent to the Metro Commission/Metro Wastewater JPA Committee members in writing, and made part of the public record.

When providing comments to the Metro Commission/Metro Wastewater JPA please provide your name and city of residence for the record. If you have a written record that you wish to distribute to the Commission/JPA, please provide it to the Secretary via [lpeoples@chulavistaca.gov](mailto:lpeoples@chulavistaca.gov), who will distribute the record to the members. With limited exceptions, all records distributed to the Commission/JPA Board or any Committee of the Board become public records upon distribution.

The public may participate using the following remote options

<https://us02web.zoom.us/j/85674155124>

Meeting ID: 856 7415 5124

One tap mobile

+16694449171,,85674155124# US

Dial by your location

+1 669 444 9171 US

Documentation

Included

1. **ROLL CALL**
2. **PLEDGE OF ALLEGIANCE TO THE FLAG**
3. **PUBLIC COMMENT**  
*Persons speaking during Public Comment may address the Metro Commission/Metro Wastewater JPA on any subject matter within the jurisdiction of the Metro Commission/Metro Wastewater JPA that is not listed as an agenda item. Comments are limited to three (3) minutes.*
4. **ACTION**: APPROVAL OF AGENDA (Adriana Ochoa)
- X 5. **ACTION**: CONSIDERATION AND POSSIBLE ACTION TO MAKE FINDINGS TO CONTINUE HOLDING REMOTE/TELECONFERENCE MEETINGS PURSUANT TO ASSEMBLY BILL 361 (Adriana Ochoa – General Counsel) (**Attachments**)
- X 6. **ACTION**: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE REGULAR MEETING OF [July 7, 2022](#) (**Attachment**)
- X 7. **FINANCE COMMITTEE ITEMS**: (Finance Committee Chairman John Mullin)
  - A. **ACTION**: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE FY 2019 EXHIBIT E AUDIT (Karyn Keze/Adam Jones – SD/MGO – Auditor) (**Attachments**)
  - B. **ACTION**: CONSIDERATION AND POSSIBLE ACTION TO APPROVE RECOMMENDED CHANGES FROM THE FINANCE COMMITTEE TO THE METRO JPA INVOICE PROCESSING POLICY (Karyn Keze/John Mullin) (**Attachment**)
- X 8. **PRESENTATION**: STRENGTH BASED BILLING FRAMEWORK UPDATE (Adam Jones – San Diego/Benjamin Stewart-Stantec) (**Attachment**)
- X 9. **ACTION**: CONSIDERATION AND POSSIBLE ACTION TO APPROVE CONTRACT WITH ADS CORP. FOR WASTEWATER FLOW MONITORING EQUIPMENT, SOFTWARE AND SERVICES (Huy Nguyen - SD) (**Attachment**)
10. **UPDATE**: INDUSTRIAL WASTEWATER CONTROL COMMITTEE (Standing Item) (Beth Gentry)

Documentation

Included

11. **UPDATE**: METRO WASTEWATER (*General*) (Standing Item) (Tom Rosales)
  - a. Pt. Loma Wastewater Treatment Plant Road
  - b. April 10, 2020 Spill Update
  - c. Capital Program Master Planning Process Overview and Status
- X 12. **UPDATE**: 3<sup>rd</sup> QUARTER METRO CAPITAL IMPROVEMENT PROGRAM AND FUNDING (Standing Item) (Tung Phung) (**Attachment**)
- X 13. **UPDATE**: PURE WATER PROGRAM (Standing Item) (Amy Dorman)
  - A. PURE WATER COST CONSTRUCTION CONTRACTS UPDATE (Amy Dorman) (**Attachment**)
  - B. SECONDARY EQUIVALENCY LEGISLATION (Tom Rosales)
- X 14. **UPDATE**: METRO TAC UPDATE/REPORT (Standing Item) (Beth Gentry) (**Attachment**)
15. **REPORT**: AD HOC COMMITTEE ON SECOND AMENDED AND RESTATED METRO AGREEMENT (Standing Item) (Jerry Jones/Beth Gentry)
16. **REPORT**: IROC (Standing Item) (Jerry Jones)
17. **REPORT**: FINANCE COMMITTEE (Standing Item) (John Mullin)
18. **REPORT**: GENERAL COUNSEL (Standing Item) (Adriana Ochoa)
19. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO WASTEWATER JPA MEETING **September 1, 2022**
20. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS
21. ADJOURNMENT OF METRO COMMISSION AND METRO WASTEWATER JPA

The Metro Commission and/or Metro Wastewater JPA may take action on any item listed in this Agenda whether or not it is listed "For Action." *Materials provided to the Metro Commission and/or Metro Wastewater JPA related to any open-session item on this agenda are available for public review at our website: <https://www.metrojpa.org>*

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

Persons with disabilities that require modifications or accommodations should email [peoples@chulavistaca.gov](mailto:peoples@chulavistaca.gov) or call (619) 548.2934 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 Commission/Metro Wastewater JPA shall promptly work with you to resolve the matter in favor of accessibility.

**Metro JPA 2022 Meeting Schedule**

January 6, 2022  
April 7, 2022  
July 7, 2022  
October 6, 2022

February 3, 2022  
May 5, 2022  
August 4, 2022  
November 3, 2022

March 3, 2022  
June 2, 2022  
September 1, 2022  
December 1, 2022

# ATTACHMENT 5

## FINDINGS TO CONTINUE HOLDING REMOTE/ TELECONFERENCE MEETINGS

AB 361



## **Metro Commission and Metro Wastewater JPA**

### **STAFF REPORT**

**TO:** Metro Commission and Metro Wastewater JPA

**DATE:** Thursday, August 4, 2022

**FROM:** Adriana Ochoa, General Counsel

**AGENDA ITEM NO. 5:** Consideration and Possible Action To Make Findings To Continue Holding Remote/Teleconference Meetings Pursuant To Assembly Bill 361

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### **BACKGROUND**

Assembly Bill No. 361 took effect September 16, 2021. It amends the Brown Act and allows for public agencies to utilize remote or virtual meetings through January 1, 2024 if any of the following circumstances are met:

- A. The legislative body holds a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing.
- B. The legislative body holds a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.
- C. The legislative body holds a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

In accordance with AB No. 361, when a board wants to continue holding virtual meetings because a state of emergency continues, the board must make findings every 30 days that 1) the board has reconsidered the circumstances of the state of emergency and 2) the state of emergency continues to directly impact the ability of the members to meet safely in person or state or local officials continue to impose or recommend measures to promote social distancing.

On March 4, 2020, the Governor declared a state of emergency arising from the Covid-19 pandemic. California continues to remain in a proclaimed state of emergency relating to the Covid-19 pandemic. The State and San Diego County have phased out physical distancing mandates, and recommendations relating to social distancing are fairly limited as of the date of the preparation of this staff report.

Nonetheless, Covid-19 continues to threaten the community, particularly persons who are unvaccinated or that are in a high-risk category such as those who are over 65 years old, immune-compromised, or have underlying health conditions. The Omicron variant, designated a “very high” risk by the World Health Organization, is currently the prevalent strain in San Diego County. The BA.2 omicron subvariant has also been surging in San Diego County with the Center for Disease Control recently moving San Diego into the “high-risk category.”

The County of San Diego Health and Human Services Agency’s Epidemiology and Immunization Services Branch prepares a Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report, which includes a Summary of Cases, Deaths, and Outbreaks by Date Reported for San Diego County. We have included the most current Surveillance Report with this staff report so that the Committee can review the current and local data and evaluate whether the pandemic continues to directly impact the ability of the Finance Committee to meet safely.

In light of the ongoing emergency, on July 7, 2022 the Metro Wastewater JPA Board of Directors made the required findings to continue holding virtual meetings under AB 361. The Board’s 30-day findings expire on August 6, 2022. In order to continue holding virtual board, special and committee meetings over the next 30 days, the Metro Wastewater JPA Board of Directors must make the required findings set forth below, and must continue making these findings every 30 days thereafter.

## **RECOMMENDED ACTION**

Legal counsel respectfully recommends the Board of Directors discuss and evaluate the information provided in this staff report and, if appropriate, approve the following findings and actions:

1. The Board hereby FINDS AND DECLARES that it has reconsidered the circumstances of the proclaimed state of emergency declared by the Governor on March 4, 2020 relating to the Covid-19 pandemic;
2. Based on the information provided in this staff report and pursuant to the information and discussion presented in the August 4, 2022 Board meeting, the Board hereby FINDS AND DECLARES that the Covid-19 pandemic continues to directly impact the ability of the members to meet safely in person;
3. The Board hereby makes these findings and approves for the upcoming 30-day period, August 4, 2022 to September 3, 2022, regular and special meetings of the Metro Wastewater JPA Board and its Standing Committees will continue to be virtual meetings held in accordance with AB 361’s Public Notice and Public Participation requirements.
4. Staff is hereby directed to notice the upcoming board and committee meetings as a virtual meeting if the proclaimed state of emergency remains, and to place AB 361 findings on the agenda for consideration at September 1, 2022 Regular Board meeting so that the Board can at that point in time make a determination regarding whether as a result of the emergency, meeting in person would continue to present imminent risks to the health or safety of attendees.
5. Discuss or take other action as appropriate.

# COVID-19 Watch

## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report

Prepared by Epidemiology and Immunization Services  
Branch

[www.sdepi.org](http://www.sdepi.org)

July 21, 2022

Cases

**863,281**

Deaths

**5,370**

Outbreaks

**4,524**

*Data through 7/16/2022*

### Report Content Links

- Page 2: [Summary](#)
- Page 3: [COVID-19 Infections by Vaccination Status](#)
- Page 4: [COVID-19 Hospitalizations by Vaccination Status](#)
- Page 5: [COVID-19 Deaths by Vaccination Status](#)
- Page 6: [COVID-19 Spread in San Diego County: R-effective Trend](#)
- Page 7: [Daily COVID-19 Counts by Vaccination Status – Previous 3 Months](#)
- Page 8: [Weekly COVID-19 Counts by Age – Previous 3 Months](#)
- Page 9: [Selected Characteristics of COVID-19 Cases, Hospitalizations, and Deaths](#)
- Page 10: [Age-Adjusted COVID-19 Case Rates by Race/Ethnicity](#)
- Page 11: [Age-Adjusted COVID-19 Hospitalization Rates by Race/Ethnicity](#)
- Page 12: [Case Rates by Zip Code of Residence](#)
- Page 13: [Number of Vaccinations Administered and Cumulative Number of Persons Fully Vaccinated  
Percent Fully Vaccinated by Zip Code of Residence](#)
- Page 14: [COVID-19 Vaccinations by Race/Ethnicity and Health Equity](#)
- Page 15: [COVID-19 Cases in Children and Outbreaks by Setting](#)
- Page 16: [COVID-19 Laboratory Test Positivity Rate – Previous 12 Months  
Emergency Department Data – Previous 12 Months](#)
- Page 17: [COVID-19 Pandemic at a Glance](#)
- Page 18: [Pandemic at a Glance: Summary of COVID-19-associated Deaths](#)

Please visit the COVID-19 data dashboards, which debuted on the County of San Diego COVID-19 [website](#) on March 16, 2022. They include much of the same data as the COVID-19 Watch, but in a more interactive format.

**Epidemiology and Immunization Services Branch**

[www.sdepi.org](http://www.sdepi.org) (619) 692-8499



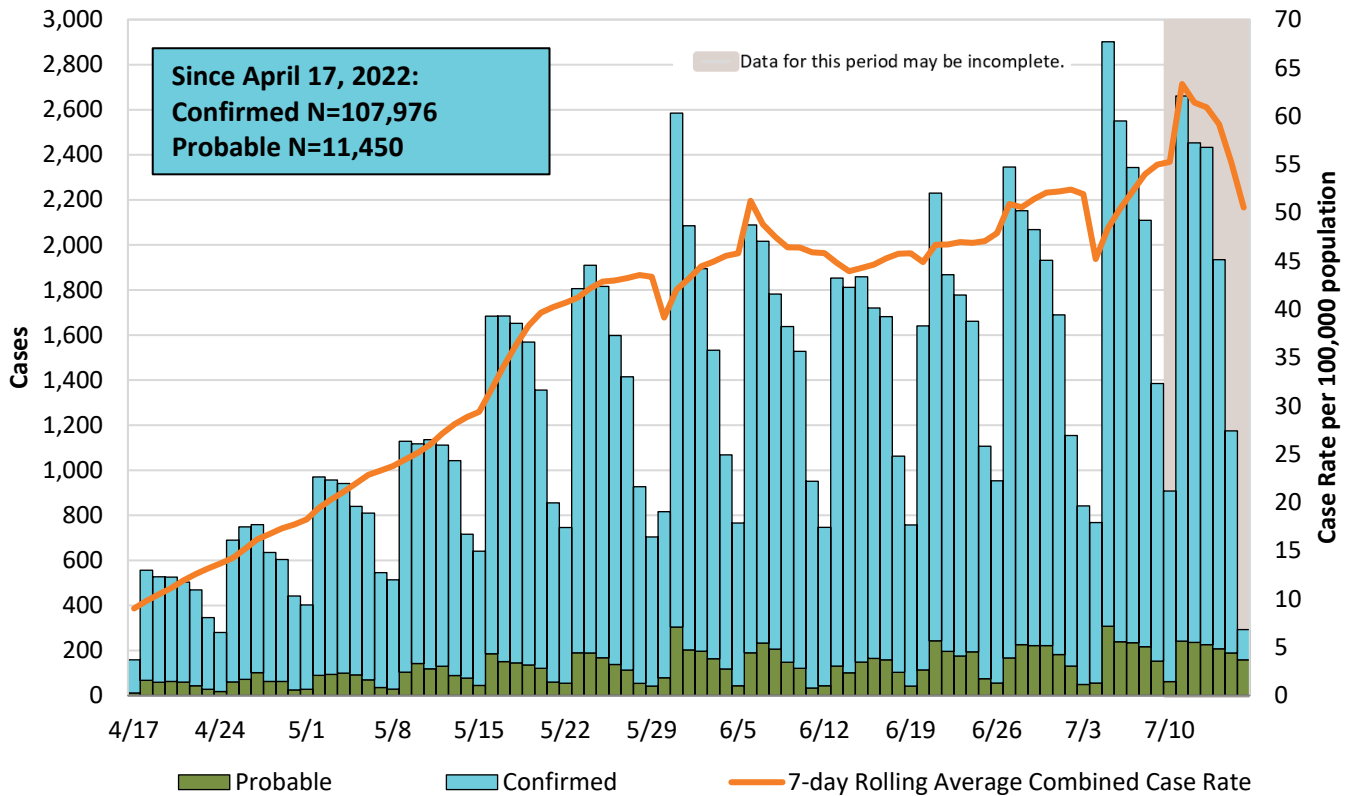
# COVID-19 WATCH

## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report

Data through 7/16/2022



**Figure 1. COVID-19 Confirmed and Probable Cases and 7-Day Rolling Average Case Rate by Episode Date\*, San Diego County Residents, N=119,426**



\*Episode date is the earliest of the following available dates: symptom onset date, specimen collection date, date of death, date reported.

\*\*Probable cases are antigen positive tests received since August 1, 2020.

**Table 1. Summary of Cases, Deaths, and Outbreaks by Date Reported**

	7/10– 7/16/2022	7/3 – 7/9/2022	Cumulative
<b>Cases</b>	12,965 <span style="color: red;">↑</span>	11,336	863,281
<b>Avg Daily Cases</b>	1,852 <span style="color: red;">↑</span>	1,619	1,003
<b>Deaths</b>	13 <span style="color: green;">↓</span>	16	5,370
<b>Outbreaks</b>	28 <span style="color: yellow;">↔</span>	28	4,524



# COVID-19 WATCH

## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report



### COVID-19 Infections by Vaccination Status

Dates: 6/26-7/2/2022

Case rate for not fully vaccinated residents is **2 times higher** than those fully vaccinated + booster residents

**Not Fully Vaccinated\***  
Case Rate  
(per 100K - 12+ yrs)

**89.64**

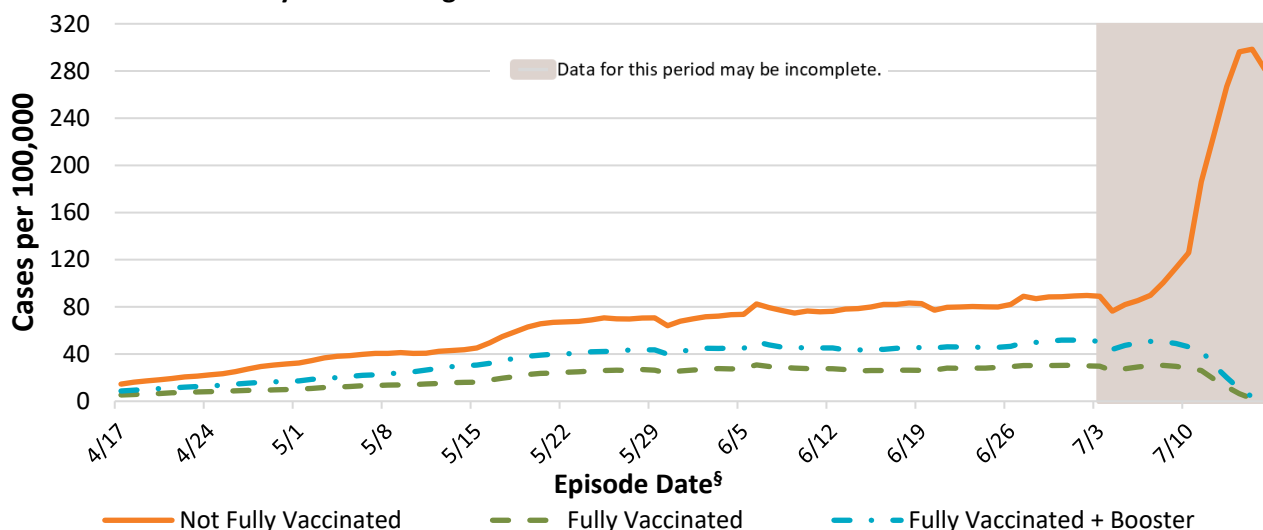
**Fully Vaccinated†**  
Case Rate  
(per 100K - 12+ yrs)

**30.02**

**Fully Vaccinated +  
Booster‡** Case Rate  
(per 100K - 12+ yrs)

**51.52**

**Figure 2. 7-Day Rolling Average COVID-19 Case Rate by Vaccination Status in San Diego County Residents Age 12 Years and Older in the Previous Three Months**



**Table 2. COVID-19 Cases by Vaccination Status Among All San Diego County Residents with Episode Dates<sup>§</sup> during Previous Three Months<sup>¶</sup>**

	Not Fully Vaccinated*	Fully Vaccinated†	Fully Vaccinated + Booster‡	Total
<b>Cases</b>	29,461 (34.3%)	18,919 (22.1%)	37,417 (43.6%)	85,797
<b>Hospitalizations</b>	588 (32.5%)	449 (24.8%)	771 (42.6%)	1,808
<b>Deaths</b>	21 (36.2%)	14 (24.1%)	23 (39.7%)	58

According to [CDC](#), several factors likely affect crude case rates by vaccination and booster dose status, making interpretation of recent trends difficult.

\* Not fully vaccinated includes individuals with one dose of the two-dose series, no doses, or unknown vaccination status. Individuals who are not yet eligible for the vaccine are also included.

† Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving the final dose of COVID-19 vaccine.

‡ Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving a booster dose of COVID-19 vaccine at least 2 months after a J&J vaccine or 5 months after a Pfizer or Moderna vaccine series.

§ Episode date is the earliest of the following available dates: symptom onset date, specimen collection date, date of death, date reported.

¶ Percentages are among total cases, hospitalizations, and deaths for the time period. Cases with recent infection or onset dates may not yet be reported and vaccination data for recently reported cases may be incomplete. Hospitalizations and deaths from the last 14 days may not yet be reported. To account for this, data for the most recent two weeks are not included.

San Diego County Population from SANDAG 2019 Population Estimates (Prepared June 2020). The fully vaccinated population and the boosted population for each day is the cumulative number of county residents documented to have received the final or booster dose of COVID-19 vaccine at least 14 days prior to that day. The not fully vaccinated population is the estimated total county population minus the fully vaccinated and boosted populations.

Data through  
7/16/2022

Epidemiology and Immunization Services Branch  
[www.sdepi.org](http://www.sdepi.org) (619) 692-8499



### COVID-19 Hospitalizations by Vaccination Status

Hospitalization rate for not fully vaccinated residents is **2 times higher** than fully vaccinated + booster residents

Dates: 6/12-6/25/2022

**Not Fully Vaccinated\***  
**Hospitalization Rate**  
(per 100K - 12+ yrs)

**2.18**

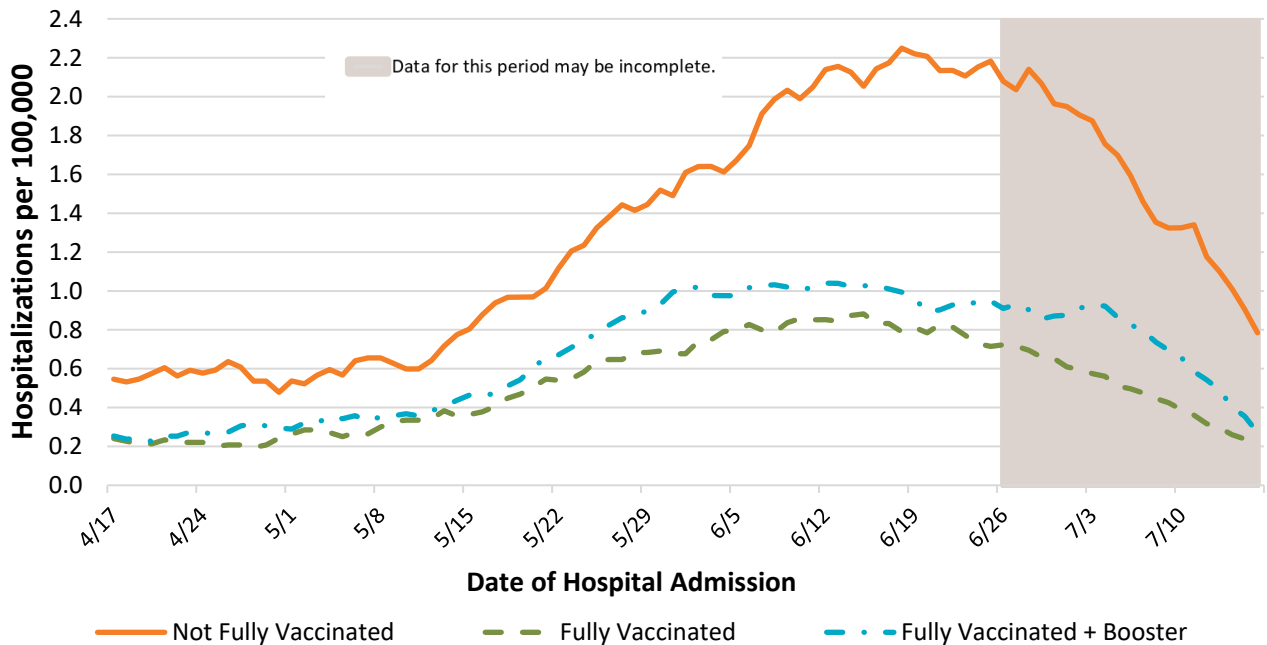
**Fully Vaccinated†**  
**Hospitalization Rate**  
(per 100K - 12+ yrs)

**0.72**

**Fully Vaccinated + Booster‡**  
**Hospitalization Rate**  
(per 100K - 12+ yrs)

**0.95**

**Figure 3. 14-Day Rolling Average COVID-19 Hospitalization Rate by Vaccination Status in San Diego County Residents Age 12 Years and Older in the Previous Three Months**



According to [CDC](https://www.cdc.gov), several factors likely affect crude case rates by vaccination and booster dose status, making interpretation of recent trends difficult. Limitations include higher prevalence of previous infection among the unvaccinated and un-boostered groups; difficulty in accounting for time since vaccination and waning protection; and possible differences in testing practices (such as at-home tests) and prevention behaviors by age and vaccination status.

\*Not fully vaccinated includes individuals with one dose of the two-dose series, no doses, or unknown vaccination status. Individuals who are not yet eligible for the vaccine are also included.

†Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving the final dose of COVID-19 vaccine.

‡Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving a booster dose of COVID-19 vaccine at least 2 months after a J&J vaccine or 5 months after a Pfizer or Moderna vaccine series.

San Diego County Population from SANDAG 2019 Population Estimates (Prepared June 2020). The fully vaccinated population for each day is the cumulative number of county residents documented to have received the final dose of COVID-19 vaccine at least 14 days prior to that day. The not fully vaccinated population is the estimated total county population minus the fully vaccinated population.

# COVID-19 WATCH

## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report



### COVID-19 Deaths by Vaccination Status

Dates: 5/29-6/25/2022

Not Fully Vaccinated\*  
Death Rate  
(per million – 12+ yrs)

0.52

Fully Vaccinated†  
Death Rate  
(per million – 12+ yrs)

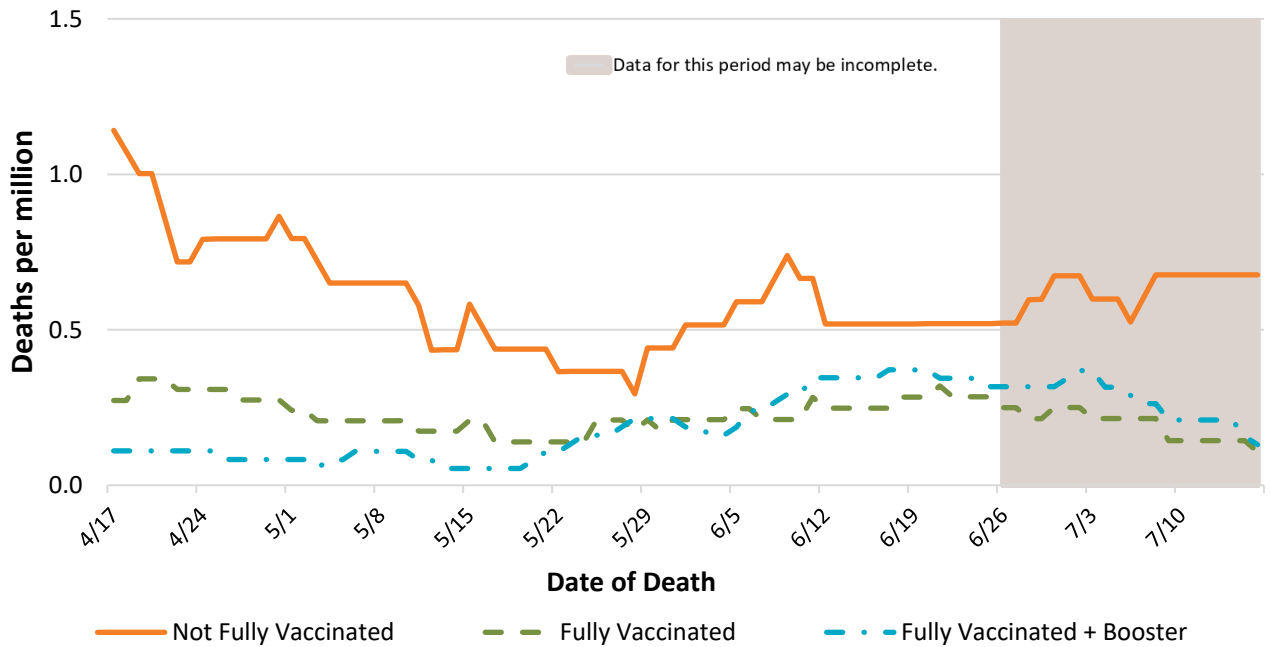
0.28

Fully Vaccinated +  
Booster‡ Death Rate  
(per million – 12+ yrs)

0.32

Death rate for not fully vaccinated residents is **2 times higher** than fully vaccinated + booster residents

Figure 4. 28-Day Rolling Average COVID-19 Death Rate by Vaccination Status in San Diego County Residents Age 12 Years and Older in the Previous Three Months



\*Not fully vaccinated includes individuals with one dose of the two-dose series, no doses, or unknown vaccination status. Individuals who are not yet eligible for the vaccine are also included.

†Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving the final dose of COVID-19 vaccine.

‡Cases who first tested positive (based on specimen collection date) greater than or equal to 14 days after receiving a booster dose of COVID-19 vaccine at least 2 months after a J&J vaccine or 5 months after a Pfizer or Moderna vaccine series.

San Diego County Population from SANDAG 2019 Population Estimates (Prepared June 2020). The fully vaccinated population for each day is the cumulative number of county residents documented to have received the final dose of COVID-19 vaccine at least 14 days prior to that day. The not fully vaccinated population is the estimated total county population minus the fully vaccinated population.



### COVID-19 Spread in San Diego County: R-effective Trend

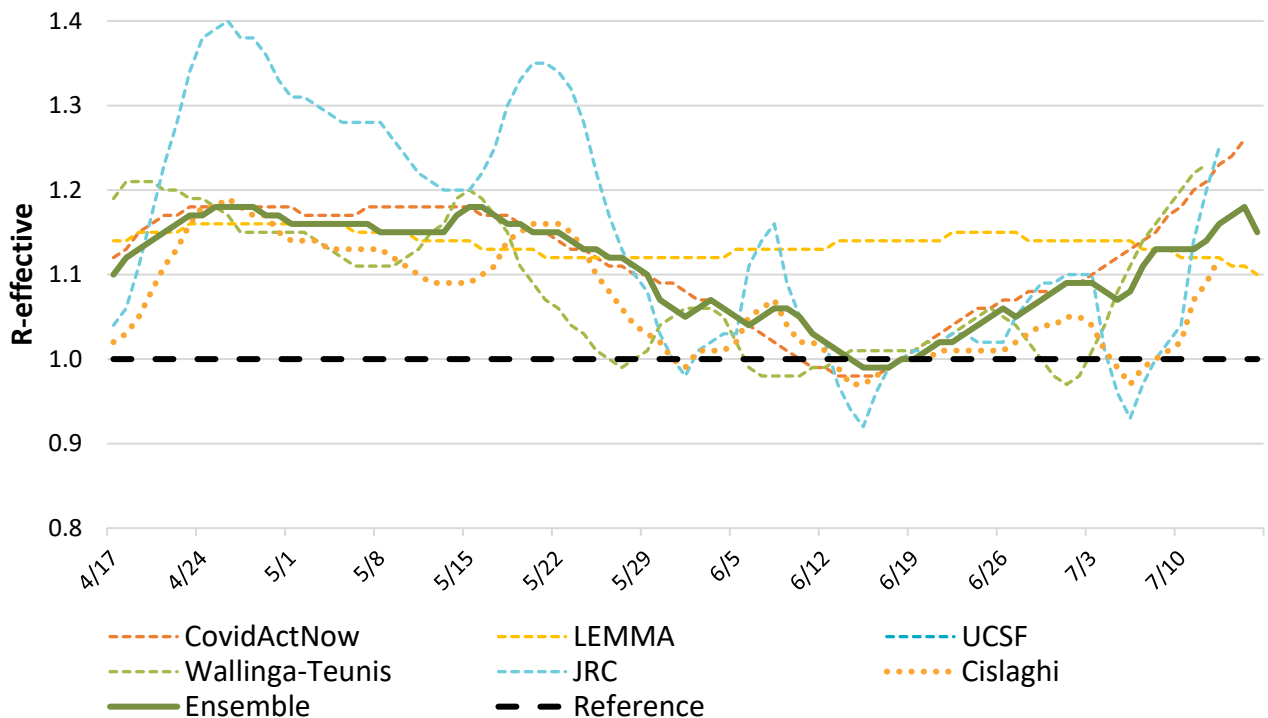
- The effective reproduction number (R effective or R-eff) is the average number of people each infected person will pass the virus onto and represents the rate at which a virus is spreading. If R-eff >1, the number of infected persons will increase. If R-eff <1, the number of infected persons will decrease. If R-eff =1, the number of infected persons is constant.
- R effective should be interpreted with caution. It is based on a theoretical set of assumptions to derive an average number across San Diego County. It does not take into account factors such as local population density or social behavior.
- These R effective estimates come from the California COVID Assessment Tool Nowcasts (<https://calcat.covid19.ca.gov/cacovidmodels/>). Each estimate on the graph comes from a different group with different modeling methods. The ensemble takes the median of all the nowcasts available on a given date and smooths it with a three-day moving average.

**Figure 5. R-effective Trend in San Diego County Over the Past Three Months**

Latest estimate of R-effective is:

**1.15**

Spread of COVID-19 is likely increasing



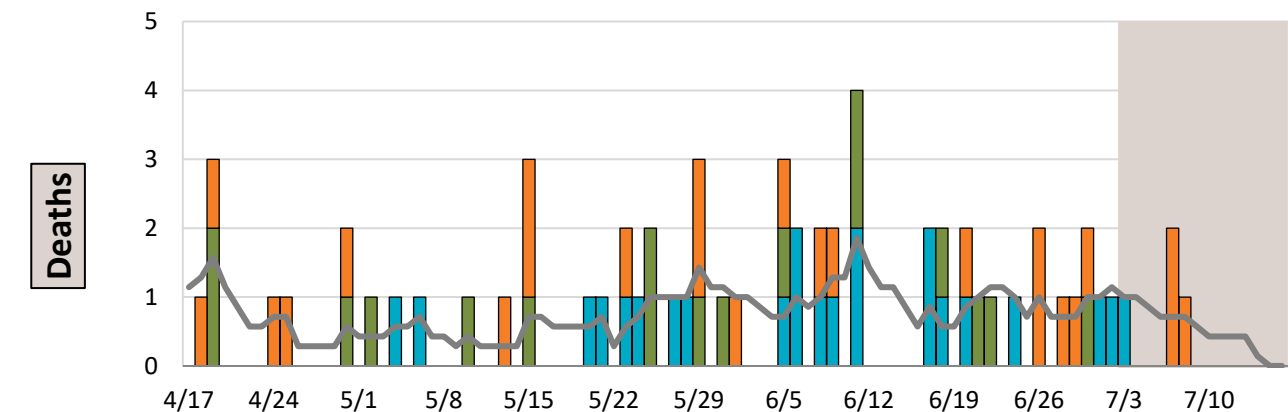
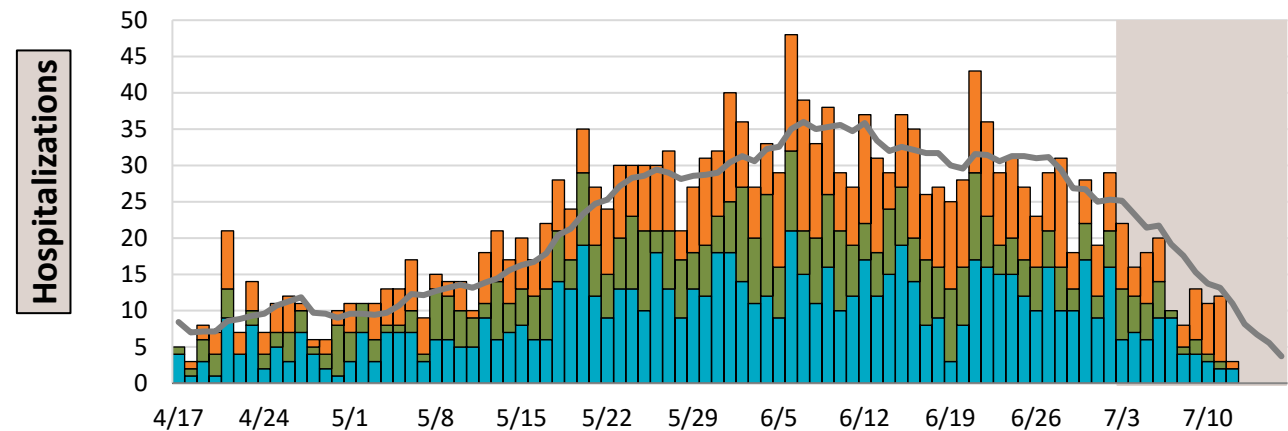
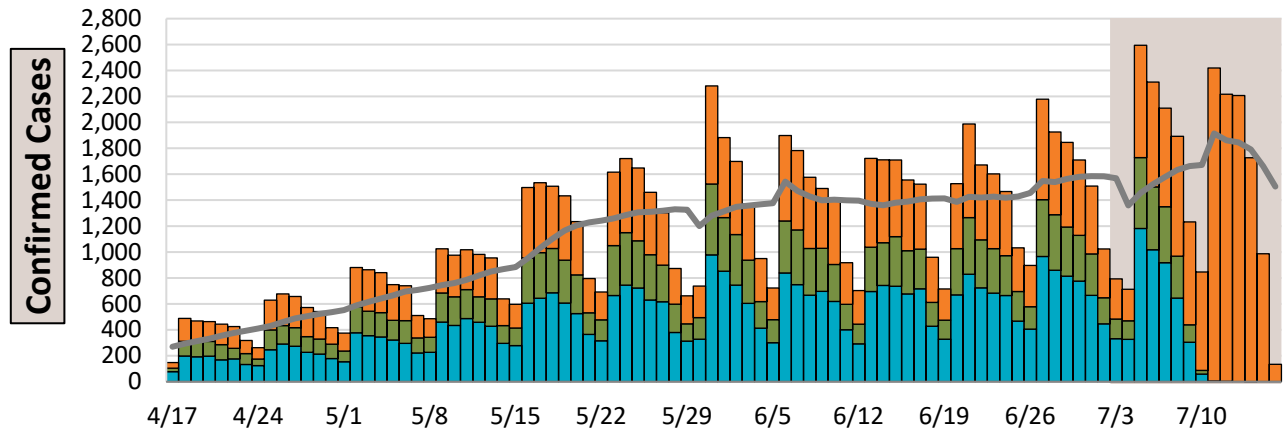
Source: <https://calcat.covid19.ca.gov/cacovidmodels/>

# COVID-19 WATCH

## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report

### Figures 6-8. Daily COVID-19 Counts by Vaccination Status – Previous 3 Months

Data for this period may be incomplete. Fully Vaccinated + Booster Fully Vaccinated Not Fully Vaccinated 7-day Rolling Average

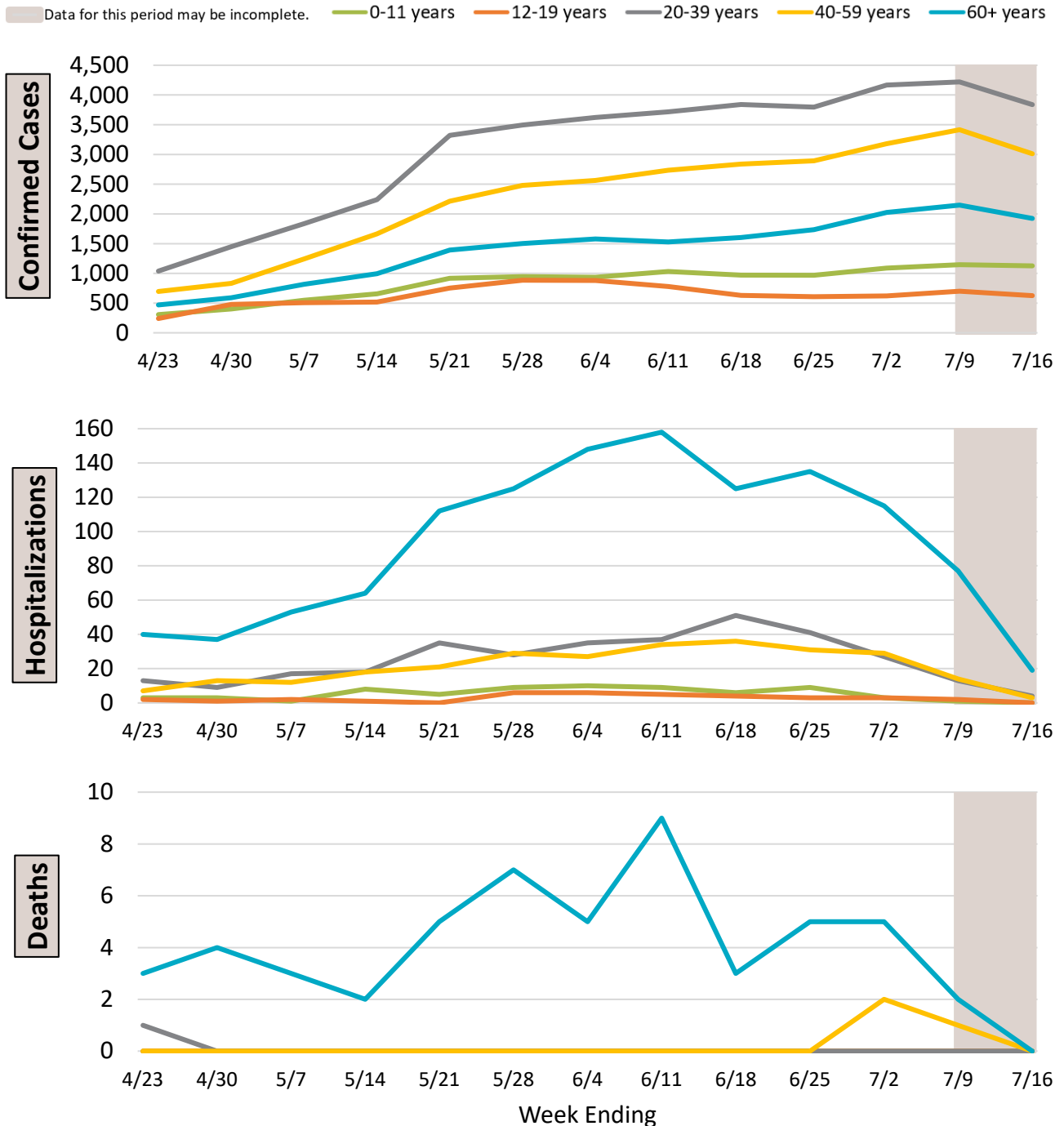


# COVID-19 WATCH

## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report



**Figures 9-11. Weekly COVID-19 Counts by Age – Previous 3 Months**



### Selected Characteristics of COVID-19 Cases, Hospitalizations, and Deaths

**Table 3. Confirmed Cases by Date Reported, Last Two Weeks vs. Cumulative**

Confirmed Cases		July 3, 2022 – July 16, 2022	February 14, 2020 – July 16, 2022
	Confirmed cases	24,301	863,281
	Median age	38 years	33 years
	Age range	0-100+ years	0-100+ years
	Male	11,226 (47%)	407,630 (48%)
	Female	12,798 (53%)	447,960 (52%)
	PEH*	81 (0.3%)	2,488 (0.3%)

Note: Includes persons known to be experiencing homelessness (PEH) based on available information but does not present a comprehensive picture of PEH diagnosed with COVID-19. Data are not complete due to a move away from universal case investigation and contact tracing.

**Table 4. Confirmed Hospitalizations by Date of Admission, Last Two Weeks vs. Cumulative**

Hospitalizations		July 3, 2022 – July 16, 2022	February 14, 2020 – July 16, 2022
	Hospitalizations	133 (0.5%)	31,940 (4%)
	Median age	71 years	61 years
	Age range	0-100 years	0-100+ years
	Male	68 (51%)	16,686 (52%)
	Female	65 (49%)	15,201 (48%)
	PEH*	1 (0.8%)	572 (1.8%)

Sex is unknown for 0 hospitalization for the last two weeks and for 54 hospitalizations cumulatively.

Note: Percentage hospitalized is calculated based on the total number of cases; information may be unknown in some cases. Hospitalization counts are likely underreported and may increase as additional information is obtained.

**Table 5. Confirmed Deaths by Date of Death, Last Two Weeks vs. Cumulative**

Deaths		July 3, 2022 – July 16, 2022	February 14, 2020 – July 16, 2022
	Deaths	3	5,370
	Case Fatality Ratio	N/A†	0.6%
	Underlying Conditions‡	3 (100%)	5,123 (95%)
	Median age	69 years	76 years
	Age range	44-74 years	10-100+ years
	Male	2 (67%)	3,208 (60%)
	Female	1 (33%)	2,162 (40%)
	PEH*	0 (0%)	40 (0.7%)

\*PEH = Persons Experiencing Homelessness.

†Data are incomplete for this time period.

‡Refer to the graph on page 18 for more details.

Data through  
7/16/2022

Epidemiology and Immunization Services Branch

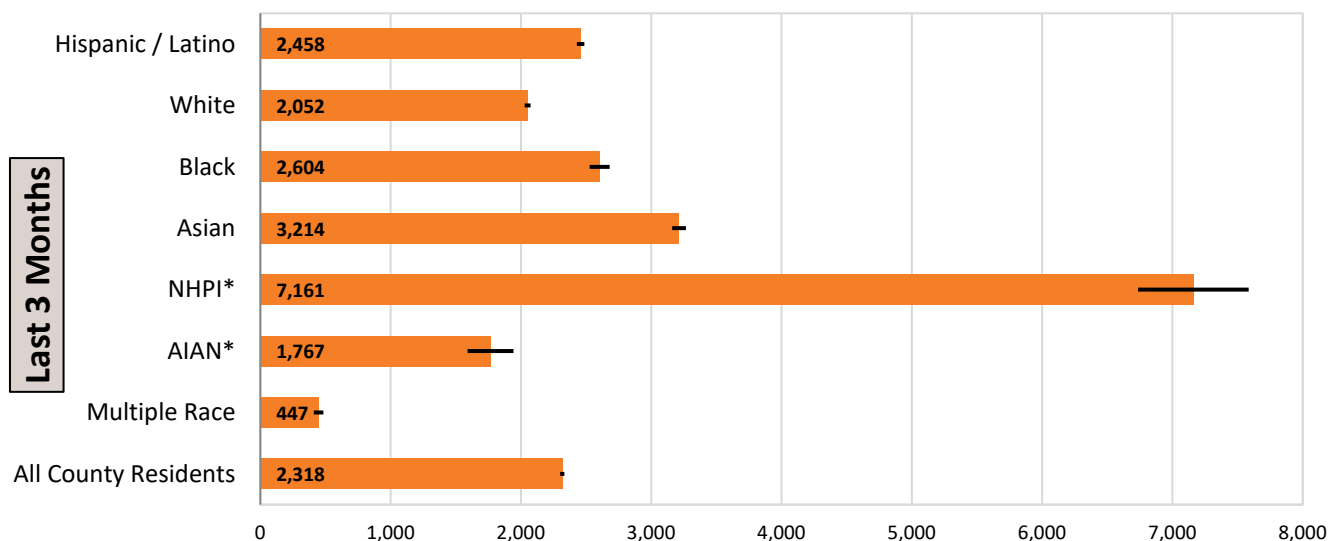
[www.sdepi.org](http://www.sdepi.org) (619) 692-8499



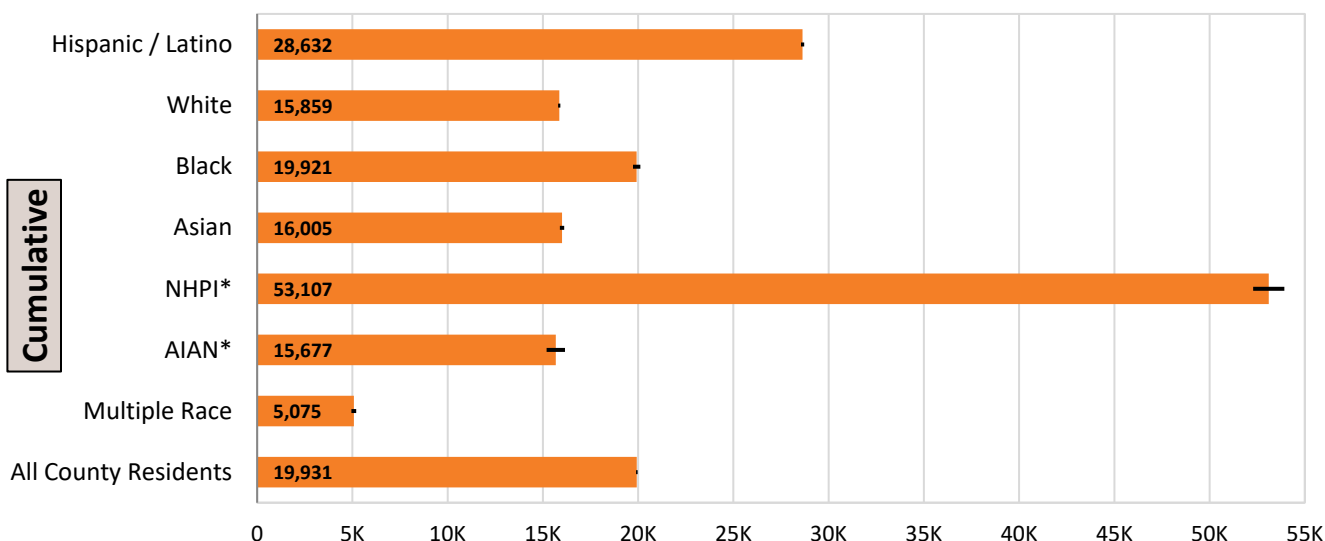


### Age-Adjusted COVID-19 Case Rates by Race/Ethnicity

**Figure 12. Age-Adjusted Rates of Confirmed Cases by Race/Ethnicity, San Diego County Residents**



**Figure 13. Age-Adjusted Rates of Confirmed Cases by Race/Ethnicity, San Diego County Residents**

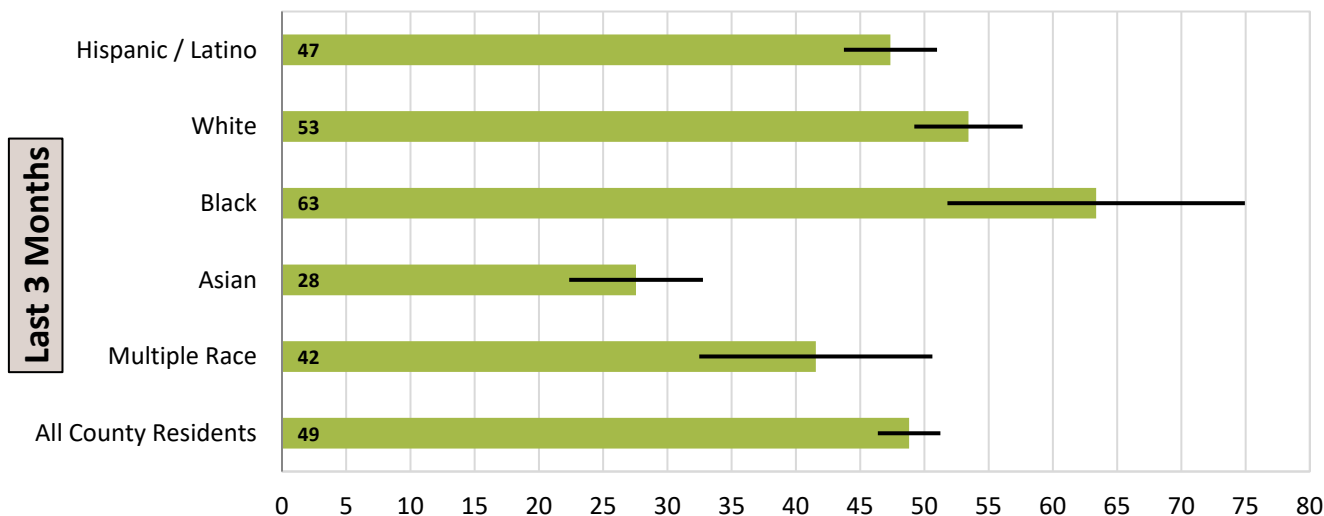


The black lines represent the 95% confidence intervals (error bars). Rates are not calculated for fewer than 20 events.

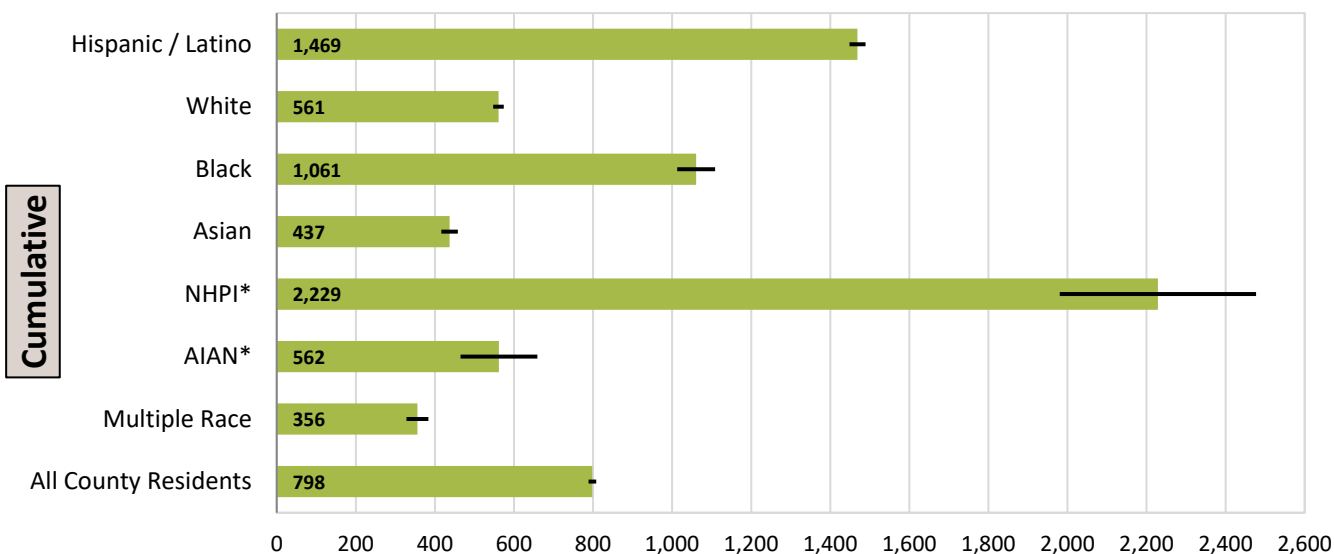
\*NHPI=Native Hawaiian/Pacific Islander, AIAN=American Indian/Alaska Native.

### Age-Adjusted COVID-19 Hospitalization Rates by Race/Ethnicity

**Figure 14. Age-Adjusted Rates of Hospitalizations by Race/Ethnicity, San Diego County Residents**



**Figure 15. Age-Adjusted Rates of Hospitalizations by Race/Ethnicity, San Diego County Residents**



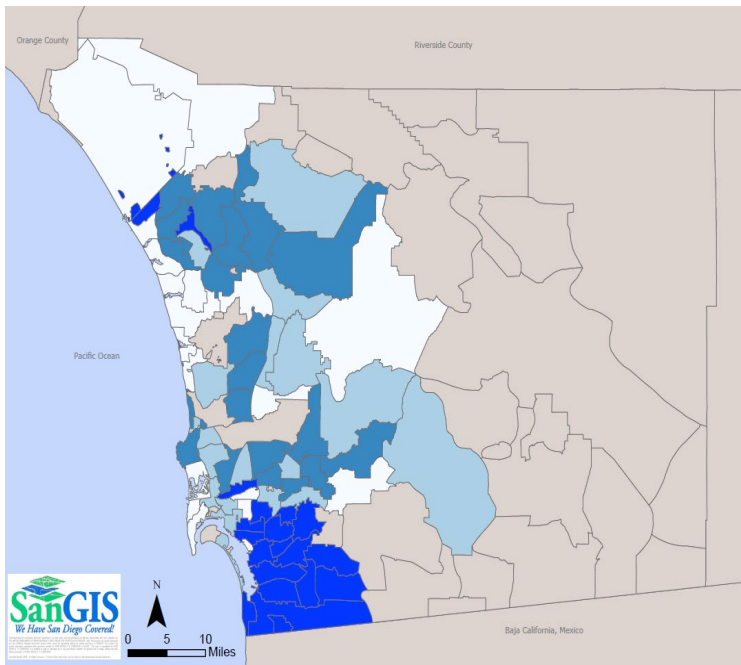
The black lines represent the 95% confidence intervals (error bars).

Rates are not calculated for fewer than 20 events. Hospitalization rates were not calculated for the last three months for NHPI and AIAN because these categories have fewer than 20 events.

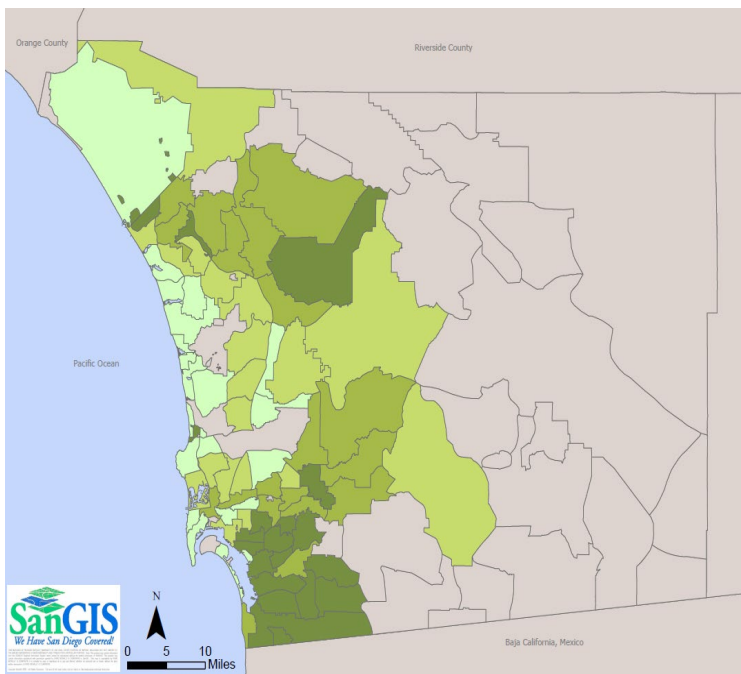
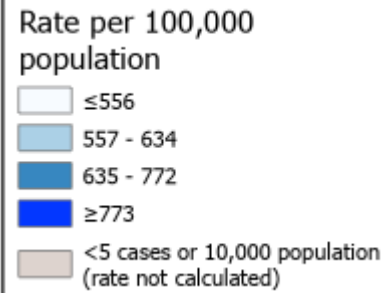
\*NHPI=Native Hawaiian/Pacific Islander, AIAN=American Indian/Alaska Native.

# COVID-19 WATCH

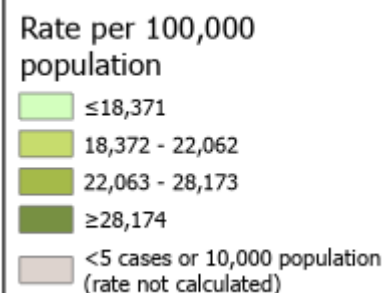
## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report



**Figure 16. Confirmed Case Rate by Zip Code of Residence, 7/3/2022-7/16/2022, San Diego County**  
(Countywide Rate = 725 per 100,000 Population)



**Figure 17. Cumulative Confirmed Case Rate by Zip Code of Residence, San Diego County**  
(Countywide Rate = 25,756 per 100,000 Population)



Confirmed COVID-19 Cases by Zip Code

Rates calculated using 2019 population estimates from the San Diego Association of Governments. Rates not calculated for counts under 5 cases or populations less than 10,000. Zip code is zip code of residence, which may not be location of exposure.

Case [counts and rates](#) for each zip code are updated routinely on the County of San Diego COVID-19 website.

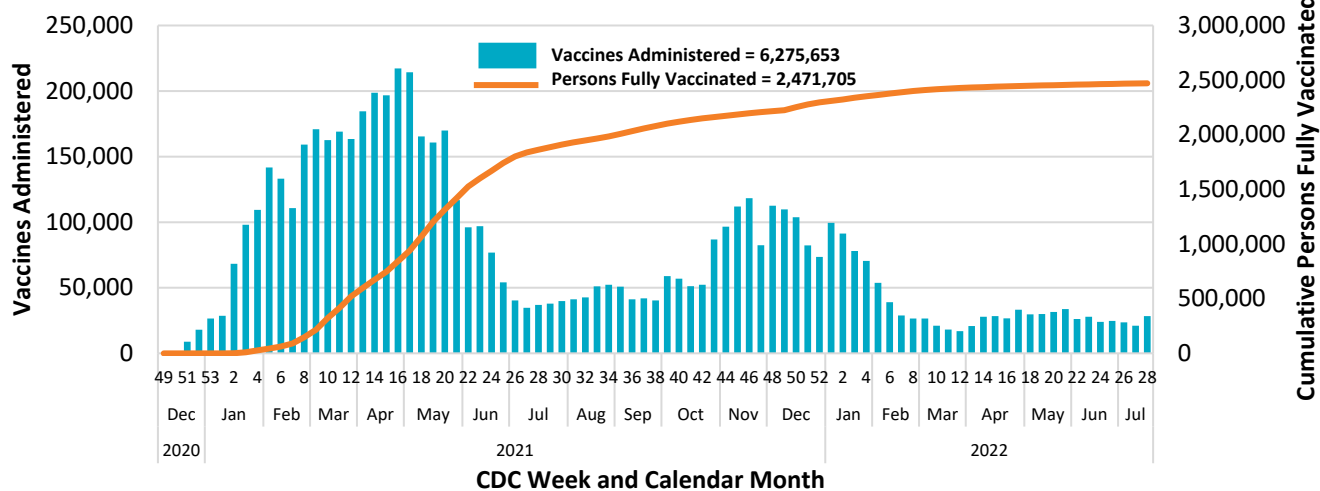
Beginning 3/16/22, the maps use quartiles to categorize the data rather than natural breaks.

Data through  
7/16/2022

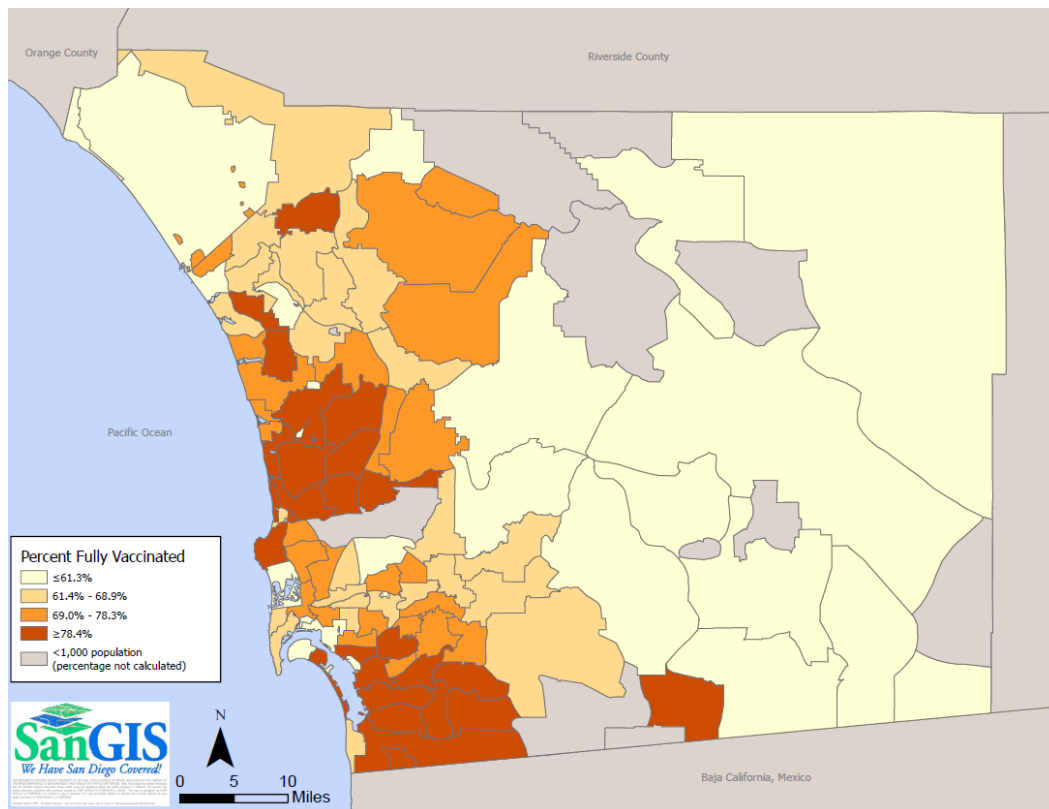
**Epidemiology and Immunization Services Branch**  
[www.sdepi.org](http://www.sdepi.org) (619) 692-8499

### COVID-19 Vaccinations

**Figure 18. Number of COVID-19 Vaccinations Administered and Cumulative Number of Persons Fully Vaccinated by Week Among San Diego County Residents**



The bars show vaccines administered, not individuals vaccinated. The line shows the cumulative number of persons fully vaccinated per the dose and schedule regimen for the vaccine received. The San Diego Immunization Registry (SDIR) transitioned to the California Immunization Registry (CAIR2) on Monday, April 25, 2022. All vaccination data is now being pulled from CAIR2. Due to differences in the programming of each system, the overall count of vaccinations, count of vaccinated individuals, and demographic data may differ slightly from previously-reported data.



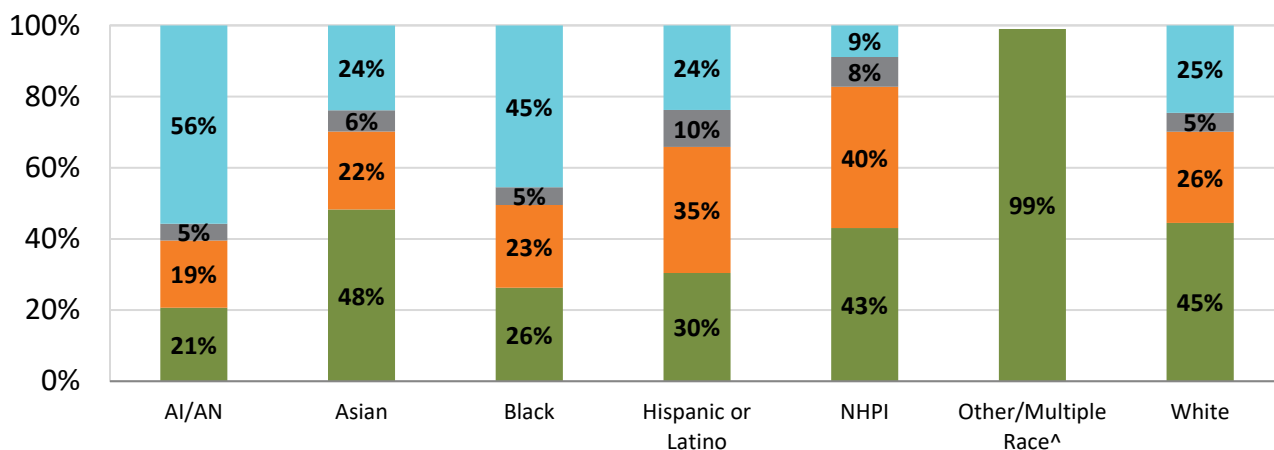
**Figure 19. Percentage of the Total Population of San Diego County Residents Who are Fully Vaccinated, by Zip Code of Residence**

Only includes vaccines that have been recorded in the California Immunization Registry (CAIR2). Some healthcare providers, including Veteran's Affairs, the Department of Defense, some tribal entities, and prisons do not report to CAIR2. See this [dashboard](#), updated daily, for more detailed vaccine status information for San Diego County. Data source: San Diego Immunization Registry, SANDAG 2019 Population Estimates (Prepared June 2020).

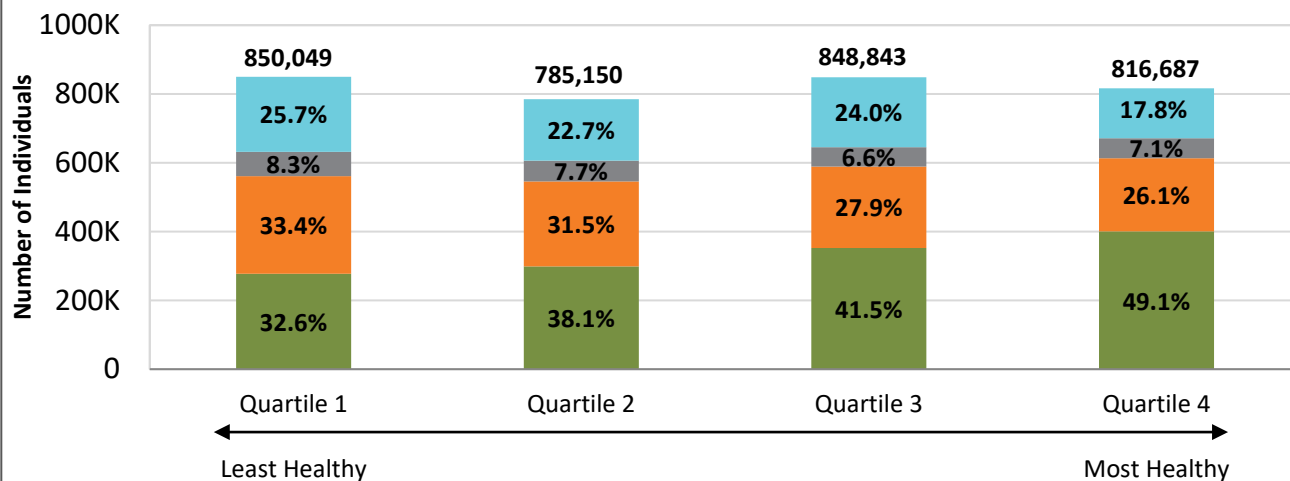
### COVID-19 Vaccinations by Race/Ethnicity and Health Equity

■ Fully Vaccinated + Booster ■ Fully Vaccinated ■ Partially Vaccinated ■ Not Vaccinated

**Figure 20. Vaccination Status by Race/Ethnicity, San Diego County Residents**



**Figure 21. Vaccination Progress by Healthy Places Index Quartile,\* San Diego County Residents**



\*The California [Healthy Places Index](#). Beginning 6/9/2022, HPI 3.0 is used instead of HPI 2.0. The change in methodology may affect the percentages. In addition, note that the order of the quartiles, reflecting least to most healthy, has been reversed.

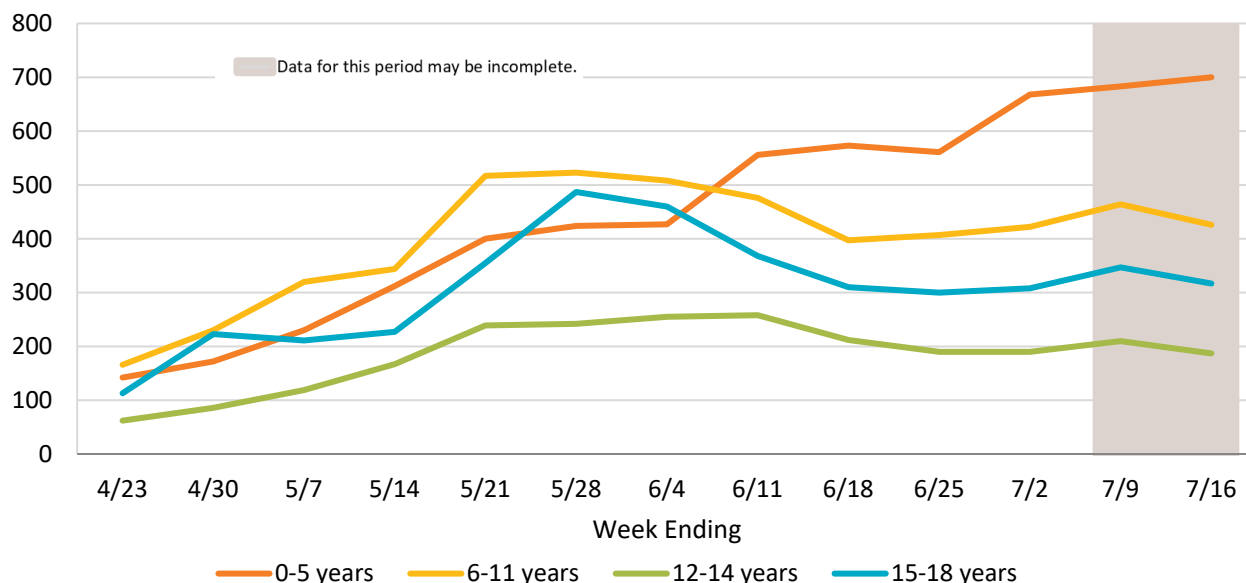
^The percentage and rate of the population vaccinated with at least one dose of COVID-19 vaccine may approach, or exceed, 99% or 999 per 1,000 San Diego residents. The most recent race/ethnicity populations are 2019 estimates, which may underestimate the current population. When these demographics are analyzed, the population estimates may not reflect social and environmental changes of a community, possibly leading to an under- or overestimate of a population.

Individuals vaccinated by Veterans Affairs or Department of Defense are not included.

Data source: California Immunization Registry, SANDAG 2019 Population Estimates (Prepared June 2020). Total population=3,351,784. Population estimate of 51,055 individuals do not reside in a census tract with a Healthy Places Index score.

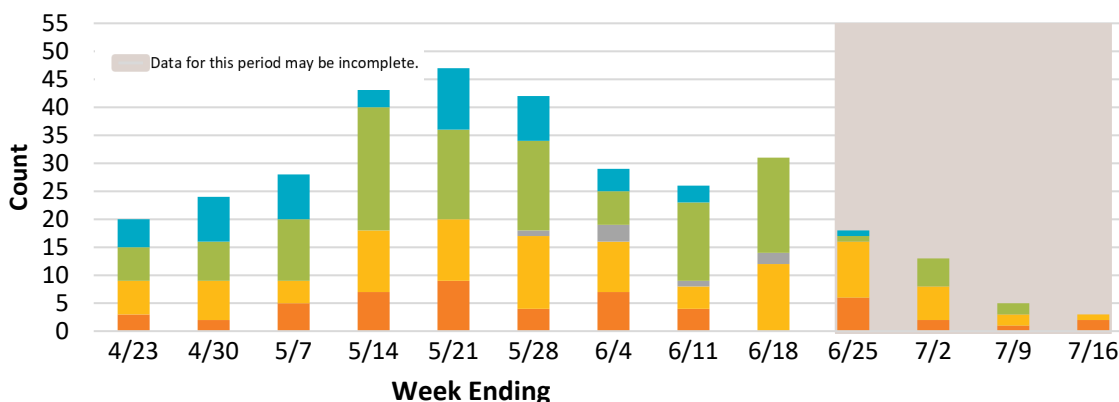
### COVID-19 Cases in Children and Outbreaks by Setting

**Figure 22. COVID-19 Confirmed Cases for Ages 0-18 Years by Week of Episode Date,\* San Diego County Residents, N=17,491**



\*Episode date is the earliest of the following available dates: symptom onset date, specimen collection date, date of death, date reported.

**Figure 23. COVID-19 Outbreaks by Date of Onset, N=334**



	4/23	4/30	5/7	5/14	5/21	5/28	6/4	6/11	6/18	6/25	7/2	7/9	7/16
TK-12th Grade	5	8	8	8	11	8	4	3	0	1	0	0	0
Community	6	7	11	22	16	16	6	14	17	1	5	2	0
Acute Care Hospital	0	0	0	0	0	1	3	1	2	0	0	0	0
Non-SNF* Congregate	6	7	4	11	11	13	9	4	12	10	6	2	1
SNF*	3	2	5	7	9	4	7	4	0	6	2	1	2

\*Skilled Nursing Facility

Data through  
7/16/2022

Epidemiology and Immunization Services Branch  
[www.sdepi.org](http://www.sdepi.org) (619) 692-8499

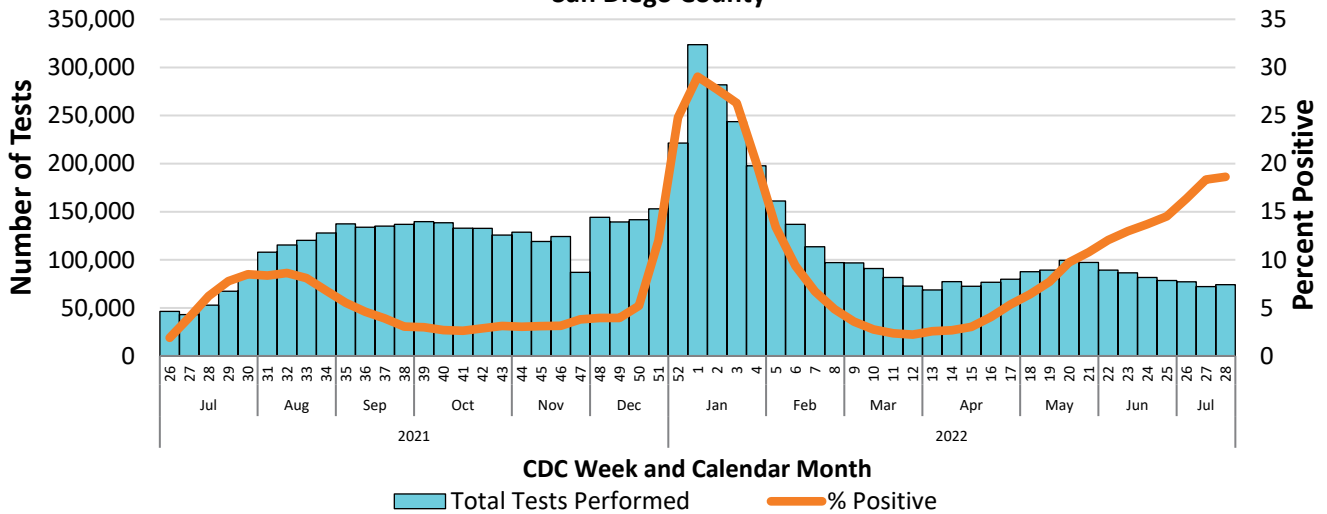
# COVID-19 WATCH

## Weekly Coronavirus Disease 2019 (COVID-19) Surveillance Report



### COVID-19 Laboratory Test Positivity Rate – Previous 12 Months

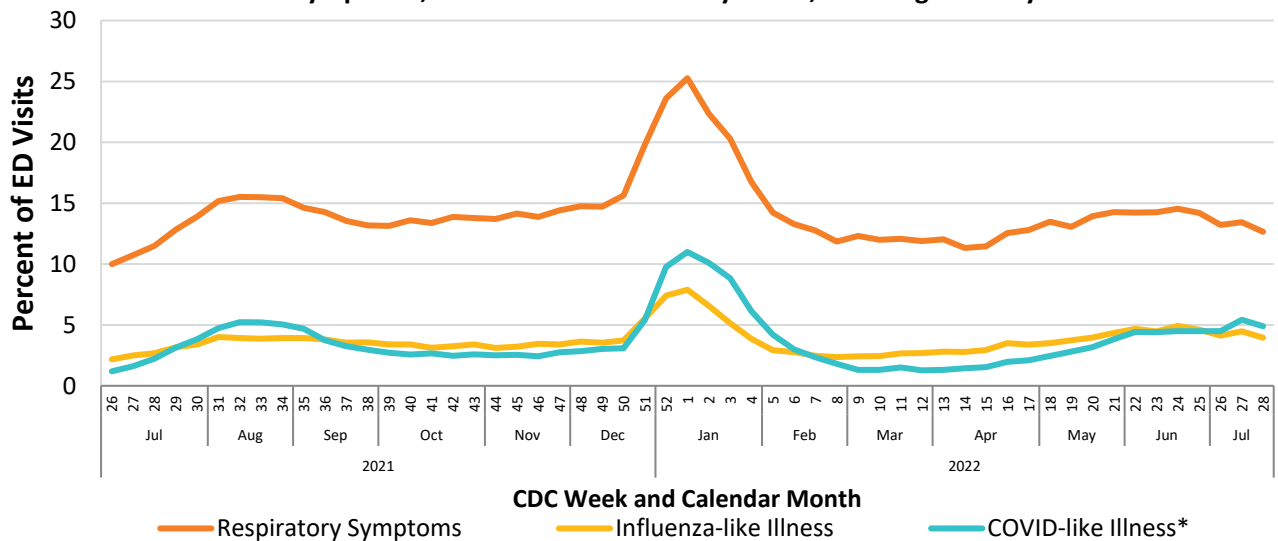
**Figure 24. COVID-19 Testing Volume and Positivity by Week of Specimen Collection, San Diego County**



Includes PCR tests performed by COSD Public Health, hospital, and reference laboratories and reported via Electronic Laboratory Reporting (ELR) and line lists. Excludes invalid, indeterminate, and unsatisfactory results.

### Emergency Department Data – Previous 12 Months

**Figure 25. Percent of Emergency Department Visit Chief Complaints for ILI, Respiratory Symptoms, or COVID-like Illness\* by Week, San Diego County**



Categories are not mutually exclusive. \*COVID-like Illness includes fever and cough, shortness of breath, or difficulty breathing OR coronavirus diagnostic codes.

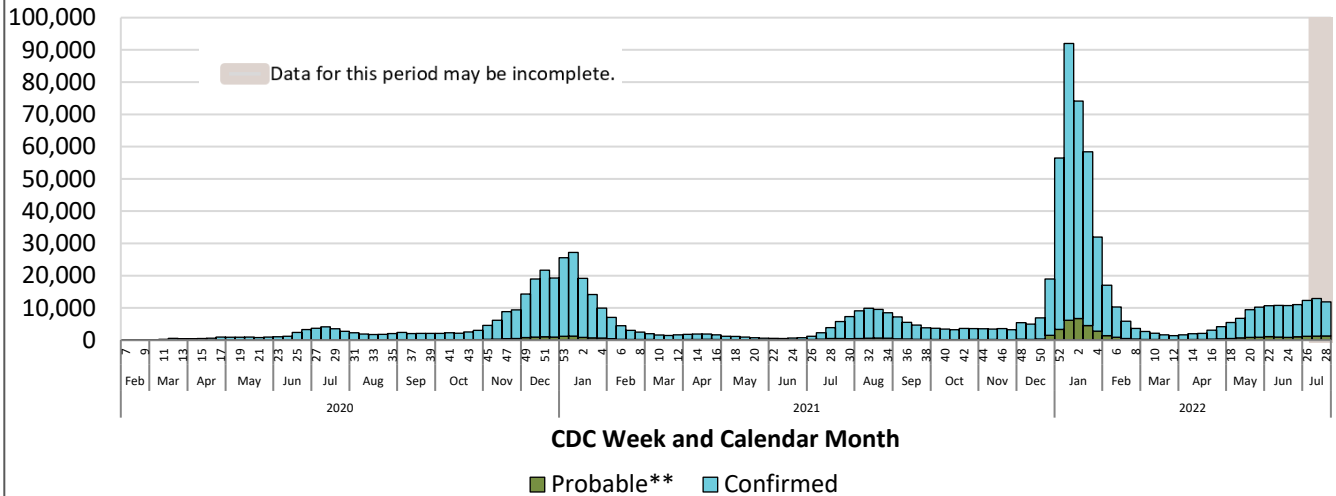
Data through  
7/16/2022

Epidemiology and Immunization Services Branch  
[www.sdepi.org](http://www.sdepi.org) (619) 692-8499



### COVID-19 Pandemic at a Glance

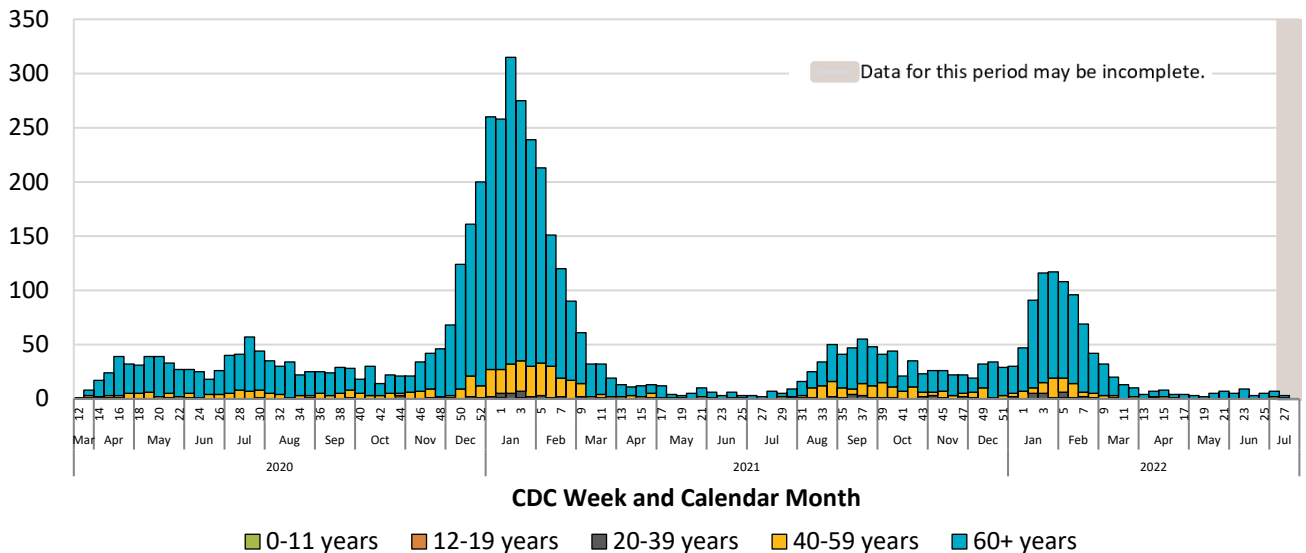
**Figure 26. COVID-19 Confirmed and Probable Cases by Week of Episode Date\*, San Diego County Residents, N=927,773**



\*Episode date is the earliest of the following available dates: symptom onset date, specimen collection date, date of death, date reported.

\*\*Probable cases are antigen positive tests received since August 1, 2020.

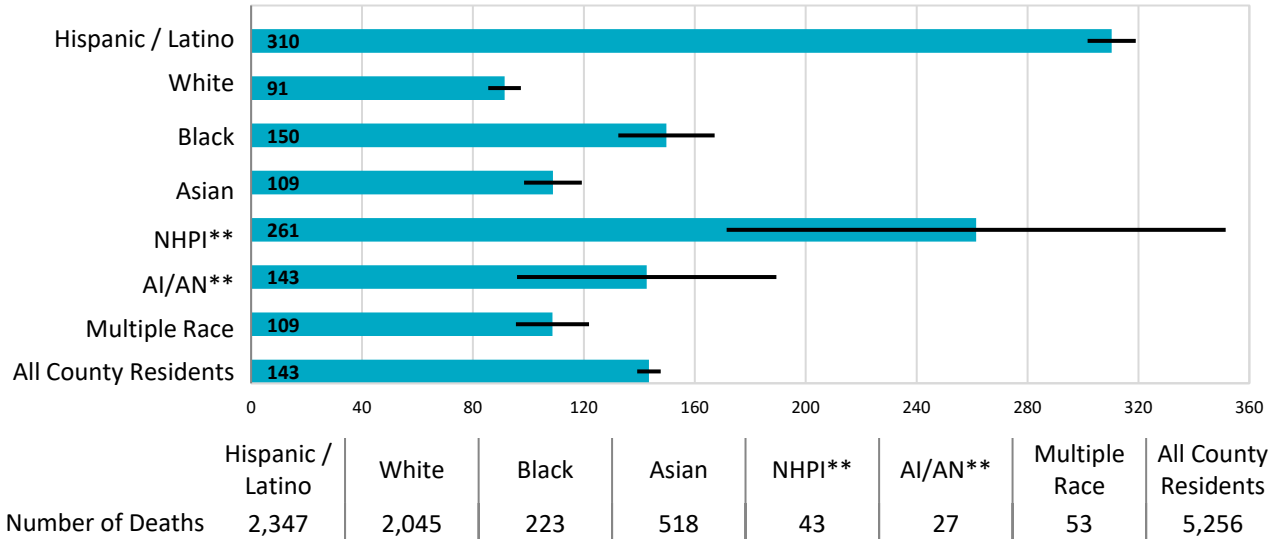
**Figure 27. COVID-19 Deaths by Week of Death San Diego County Residents, N=5,370**





### Pandemic at a Glance: Summary of COVID-19-associated Deaths

**Figure 28. Age-Adjusted Rates of COVID-19-associated Deaths by Race/Ethnicity, San Diego County Residents, N=5,256\***

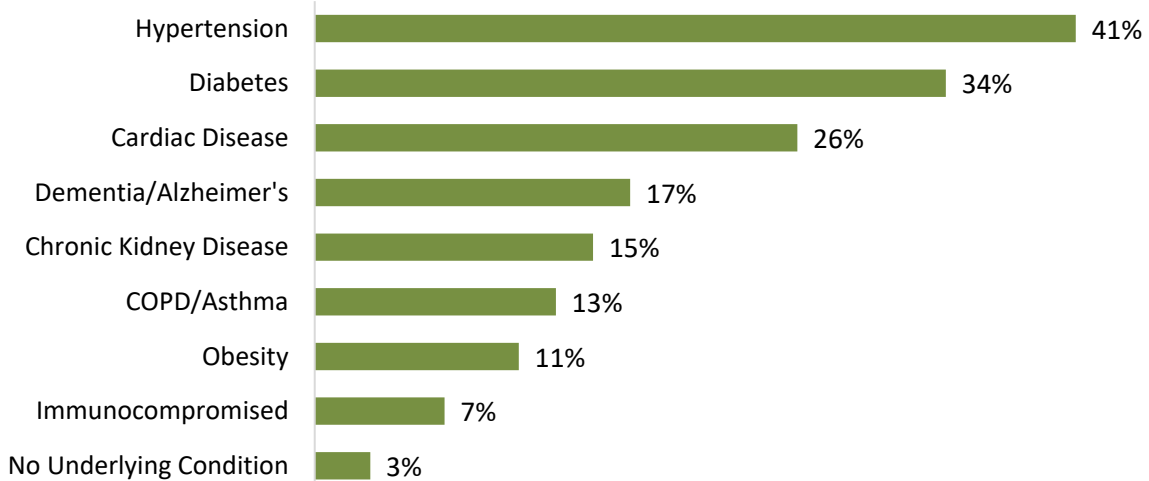


The black lines represent the 95% confidence intervals (error bars). Rates are not calculated for fewer than 20 events.

\*Race/ethnicity are unknown for 114 deaths.

\*\*NHPI=Native Hawaiian/Pacific Islander, AI/AN=American Indian/Alaska Native.

**Figure 29. Common Underlying Conditions, COVID-19-associated Deaths**



Persons may have more than one underlying condition. These data are abstracted from death certificates and available medical records and may not reflect a complete list of underlying conditions for each person.

### COVID-19 Watch Data Sources

The following sources of data are used to produce this report:

- **COVID-19 case reports:** Medical providers and laboratories report individual cases of PCR-confirmed and antigen-positive probable COVID-19 via fax or electronic laboratory reporting (ELR) to the County of San Diego Epidemiology Unit.
- **COVID-19 deaths:** The County of San Diego requests that all deaths related to COVID-19 be reported for surveillance purposes. Medical facilities may report these deaths directly to the Epidemiology Unit or they may be identified by the Office of Vital Records through death certificate registration. The Epidemiology Unit compiles the data, and only reports deaths that can be verified by a death certificate.
- **Emergency Department Chief Complaint Data:** Electronic emergency department data are reported to the Epidemiology Unit daily. The number of respiratory chief complaints and the number of total emergency department visits are used to calculate percentages for all respiratory-related visits and visits specific to influenza-like illness and COVID-like illness.
- **COVID-19 outbreaks:**
  - Skilled Nursing Facilities: at least one case of laboratory-confirmed COVID-19 in a resident.
  - Non-SNF Institution/Congregate Settings: At least three probable or confirmed COVID-19 cases within a 14-day period in epidemiologically-linked residents and/or staff.
  - Community settings: At least three probable or confirmed COVID-19 cases within a 14-day period in people who are epidemiologically-linked in the setting, are from different households, and are not identified as close contacts of each other in any other case investigation.
- **COVID-19 vaccinations:** Number of vaccinations registered in the California Immunization Registry (CAIR2) by participating providers. Some providers, including the VA, DoD, other military, some tribal, and prisons do not report to CAIR2. The San Diego Immunization Registry (SDIR) transitioned to the California Immunization Registry (CAIR2) on Monday, April 25, 2022. All vaccination data, previously pulled from SDIR, is now being pulled from CAIR2. Due to differences in the programming of each system, the overall count of vaccinations, count of vaccinated individuals, and demographic data may differ slightly from previously-reported data.
- **SANDAG population estimates, vintage 2019:** Rates are calculated using 2019 population estimates from the San Diego Association of Governments. Rates are not calculated for counts under five cases.

The purpose of the weekly **COVID-19 Watch** is to summarize current COVID-19 surveillance in San Diego County.

**Data are preliminary and may change due to delayed reporting and additional information obtained during investigations.**

For information on influenza in San Diego County, please see the weekly [Influenza Watch](#) surveillance report. Additional influenza data and resources and a link to subscribe to the Influenza Watch are available on the Epidemiology Unit [website](#).

Note: Starting 3/9/2022, the figures, Potential Exposure Settings and Community Setting Outbreaks, (formerly Figures 18 and 19 on page 13) are no longer included due to a move from universal case investigation and contact tracing to reprioritization of high-risk individuals and settings. The figures Cases Physically Present at K-12 Schools During Exposure Period and Cases Physically Present at K-12 Schools During Communicable Period (formerly Figures 26 and 27 on page 17) are no longer included due to increased use of home antigen test and changes to school-based case investigations and contact tracing.

# ATTACHMENT 6

## ACTION MINUTES OF JULY 7, 2022



## **Regular Meeting of the Metro Commission**

### **and Metro Wastewater JPA**

### **Zoom Meeting Held Online**

**July 7, 2022**

### **Minutes**

Chairman Jones called the meeting to order at 12:02 p.m. A quorum of the Metro Wastewater JPA and Metro Commission was declared, and the following representatives were present:

#### **1. ROLL CALL**

<b><u>Agencies</u></b>	<b><u>Representatives</u></b>	<b><u>Alternate</u></b>
City of Chula Vista	Jill Galvez	
City of Coronado	Marvin Heinze	
City of Del Mar	Dan Quirk (absent)	
City of El Cajon	Gary Kendrick	
City of Imperial Beach	Ed Spriggs	
City of La Mesa	Bill Baber	
Lemon Grove San District	Jerry Jones	
City of National City	Jose Rodriguez	
City of Poway	John Mullin	
County of San Diego	Joel Anderson (absent)	
Otay Water District	Mark Robak	
Padre Dam MWD	Karen Jassoy	
Metro TAC Chair	Beth Gentry	

Others present: Metro JPA General Counsel Nicholas Norvell - BBK Law; Adriana Ochoa – Procopio; Metro Commission/Metro Wastewater JPA Secretary Lori Anne Peoples; Beth Gentry – City of Chula Vista; No one present – City of Coronado; Yazmin Arellano and Blake Berringer - City of El Cajon; No one present – City of Imperial Beach; Hamed Hashemian– City of La Mesa; Jennifer Mendoza – Lemon Grove Sanitation District; Carla Hutchinson – City of National City; Bob Kennedy – Otay Water District; Paul Clarke – Padre Dam Municipal Water District; Elisa Marrone, Jessica Parks and Eric Heidemann – City of Poway; City of San Diego Staff and Consultants: Tom Rosales, Amy Dorman, Adam Jones, Joy Newman, Doug Owen and Benjamin Stewart of Stantec; Victor Occiano, Michael Dyer and Carolyn Gino – Chief Deputy City Attorney - City of San Diego; Peejay Tubongbanua – County of San Diego; Metro JPA Staff & Consultants: Lee Ann Jones-Santos – Treasurer; Scott Tulloch – NV5; Karyn Keze – The Keze Group, LLC.; Dexter Wilson - Dexter Wilson Engineering; Sanjay Gaur - EC AWP JPA

#### **2. PLEDGE OF ALLEGIANCE TO THE FLAG**

Edward Spriggs, City of Imperial Beach led the pledge.

#### **3. PUBLIC COMMENT**

None

4. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO MAKE FINDINGS TO CONTINUE HOLDING REMOTE/TELECONFERENCE MEETINGS PURSUANT TO ASSEMBLY BILL 361**

**ACTION:** Motion Director Spriggs, seconded by Director Kendrick, the findings be approved. Motion approved with Director Heinze voting no. Tom Rosales stated they were still respecting the distance and limitations on compactly given the size of the JPA.

5. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE THE MINUTES OF THE REGULAR MEETING OF JUNE 6, 2022**

**ACTION:** Motion Director Baber, seconded by Director Mullin, the Minutes of June 6, 2022 were approved unanimously.

Items 6 and 7 were heard at the same time.

6. **ACTION: CONSIDERATION AND POSSIBLE ACTION TO APPROVE ELECTION OF OFFICER (Vice Chair)**

General Counsel Norvell explained the established process of election of officers which included:

- A. Consideration of whether to appoint an Ad Hoc Vice Chair Nominating Committee pursuant to Article (V) of the Metro Bylaws for Election of Vice Chair
- B. If no Ad Hoc Committee is appointed. Nominations
- C. Election

Chair Jones inquired if Director Heinze would be interested in serving as Vice Chair to which he responded in the affirmative.

**ACTION: SEE ACTION BELOW UNDER ITEM 7**

7. **ACTION: JPA FINANCE COMMITTEE APPOINTMENTS – OPEN POSITION**

- A. Review of JPA Finance Committee Membership (5 Members plus Alternate)
- B. Appointment by Chair of Vice Chair to the Finance Committee

Chair Jones noted that there was a current opening on the committee with several other openings coming soon due to members not running for re election. He stated that therefore felt just a regular appointment would be best at this time. Chair Jones then inquired if the new Padre Representative, Karen Jassoy would be interested in serving on the Finance Committee due to her background in finance. She responded in the affirmative.

**ACTION:** Motion Chair Jones, seconded by Director Baber, to appoint Director Heinze as Vice Chair of the JPA and Director Jassoy as a Finance Committee member. Motion carried unanimously.

8. **PRESENTATION: LOCAL LIMITS**

Doug Owen of Stantec provided a brief overview of the Power Point presentation included in the agenda package and noted this was for information only.

**9. UPDATE: INDUSTRIAL WASTEWATER CONTROL COMMITTEE**

MetroTAC Chair and Industrial Wastewater Control Committee Chair Gentry stated she had no update. The committee has new team members and are bringing them up to speed on the Pretreatment and Industrial Wastewater Control committee actions.

**10. UPDATE: METRO WASTEWATER**

**A. Pt. Loma Wastewater Treatment Plant Road**

Tom Rosales, City of San Diego reported that regarding the access road, the Natural Park Services had removed the traffic controls on the closed lane. They are working on finalizing the RFP for long term remediation.

**B. April 10, 2020 Spill Update**

Tom Rosales reported that they are finalizing their negotiations with the Regional Board and expect that by the end of summer, they should receive the draft orders which are likely to include a sup to fund a program or project with nexus to spill to protect the environment in the area of the spill. They have narrowed down potential projects with the Regional Board and once a final is received, will take it to the City Council to approve an agreement with the Regional Board. A hearing in September/October would be public and wrap up at the end of the year.

**C. Capital Program Master Planning Process Overview and Status**

Tom Rosales stated that the Public Utilities Department had selected CVM Smith to plan out to 2050 on how to integrate all projects and develop a prioritization approach. This needs to go to the City Environmental Committee in September/October and then will go to the City Council for approval.

**11. UPDATE: METRO CAPITAL IMPROVEMENT PROGRAM AND FUNDING SOURCES 3rd QUARTER FY2022 (this report to be presented in August)**

**12. UPDATES: PURE WATER PROGRAM**

**A. PURE WATER PHASES 1 & 2 DESIGN & CONSTRUCTION**

Amy Dorman stated that all but 2 projects had been awarded and notice to proceed had been issued.

**B. SECONDARY EQUIVALENCY LEGISLATION**

Tom Rosales stated that Allie from External Affairs was back and the update was not plan at the present. They are trying to package it with other Clean Water Items that the Lobbyists' are working on.

**13. UPDATE/REPORT: METRO TAC UPDATE/REPORT**

MetroTAC Chair Gentry stated they had not met so there was no update.

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

MetroTAC Chair Gentry stated that the committee was meeting every 3 to 4 weeks and will be bringing items forward to the JPA starting with the next meeting. Additionally that they were working on 10 items on the topic list.

**15. REPORT: IROC UPDATE**

Chair Jones stated the IROC had heard the normal updates and not much relating to the JPA.

**16. REPORT: FINANCE COMMITTEE**

Finance Committee Chair Mullin stated they had not met but Karyn Keze stated they were hoping to have the FY 2019 Exhibit E Audit completed shortly and bring it to the Finance Committee.

**17. REPORT: GENERAL COUNSEL**

General Counsel Norvell stated they were monitoring bills to update the Brown Act to provide more flexibility for members to participate remotely.

**18. CLOSED SESSION: PUBLIC EMPLOYEE APPOINTMENT (Gov. Code 54957(b)(1))  
Position: General Counsel**

**19. CLOSED SESSION: PUBLIC EMPLOYEE EMPLOYMENT/DISMISSAL**

At 1:03 p.m. the Directors entered Closed Session.

**20. REPORT OUT OF CLOSED SESSION**

At 1:51 p.m. the meeting was reconvened by MetroTAC Chair Gentry. All Directors were present. Ms. Gentry reported that Director Baber had moved to transition General Counsel Services from BBK to Procopio effective July 15, 2022. The motion carried with 9 Directors in favor and 2 abstaining. This report covered both Closed Sessions listed in Item 18 and 19.

**21. PROPOSED AGENDA ITEMS FOR THE NEXT METRO COMMISSION/METRO WASTEWATER JPA MEETING AUGUST 4, 2022**

Director Galvez requested to hear the topic list in more detail at a future meeting.

**22. METRO COMMISSIONERS' AND JPA BOARD MEMBERS' COMMENTS**

None

**23. ADJOURNMENT**

There being no further business, Chair Jones declared the meeting adjourned at 1:54 p.m.

# ATTACHMENT 7 A

## FY 2019 EXHIBIT E AUDIT



**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, 2019



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, 2019

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Notes to the Schedule of Allocation for Billing to Metropolitan Wastewater Utility.....	4
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 <i>Government Auditing Standards</i> .....	7



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

To the Honorable Mayor and Members of the 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, 2019, and the related notes to the Schedule, as listed in the table of contents.

### ***Management's Responsibility for the Schedule***

The PUD's 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 financial statements, 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 present 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, 2019, in accordance with the basis of accounting described in Note 3

### ***Basis of Accounting***

We draw attention to Note 3 of the Schedule, which describes the basis of accounting. 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 comprehensive 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 July 13, 2022, 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 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.



San Diego, California  
July 13, 2022

**CITY OF SAN DIEGO PUBLIC UTILITIES DEPARTMENT**  
**Schedule of Allocation for Billing to Metropolitan Wastewater Utility**  
**For the Fiscal Year Ended June 30, 2019**

	<b>Operating Expenses</b>		
	<b>Municipal System</b>	<b>Metropolitan System</b>	<b>Total</b>
<b>Transmission</b>			
Main Cleaning .....	\$ 11,744,832	\$ -	\$ 11,744,832
Sewer Pump Stations.....	4,961,891	-	4,961,891
Other Pump Stations.....	5,440,216	1,057,301	6,497,517
Pump Station 1.....	-	2,775,153	2,775,153
Pump Station 2.....	-	7,232,088	7,232,088
Other Muni Agencies.....	5,726,357	-	5,726,357
Pipeline Maintenance and Repair.....	13,847,695	-	13,847,695
Wastewater Collection (WWC) Engineering and Planning.....	2,281,822	-	2,281,822
<b>Total Transmission.....</b>	<b>44,002,813</b>	<b>11,064,542</b>	<b>55,067,355</b>
<b>Treatment and Disposal</b>			
Point Loma Wastewater Treatment Plan (PTLWWTP).....	-	25,075,065	25,075,065
North City Water Reclamation Plant (NCWRP).....	-	11,452,952	11,452,952
South Bay Water Reclamation Plant (SBWRP).....	-	9,290,334	9,290,334
Metropolitan Biosolids Center (MBC).....	-	16,164,133	16,164,133
Cogeneration Facilities.....	-	869,642	869,642
Gas Utilization Facility (GUF).....	-	1,259,107	1,259,107
Wastewater Treatment and Disposal (WWTD) Plant Engineering.....	-	810,533	810,533
<b>Total Treatment and Disposal.....</b>	<b>-</b>	<b>64,921,766</b>	<b>64,921,766</b>
<b>Quality Control</b>			
Sewage Testing & Control.....	429,232	400,812	830,044
Marine Biology and Ocean Operations.....	849	5,475,033	5,475,882
Wastewater Chemistry Services.....	1,078,537	5,993,397	7,071,934
Industrial Permitting and Compliance.....	4,365,332	16,456	4,381,788
<b>Total Quality Control.....</b>	<b>5,873,950</b>	<b>11,885,698</b>	<b>17,759,648</b>
<b>Engineering</b>			
Program Management and Review.....	3,240,979	13,959,228	17,200,207
Environmental Support.....	1,426,204	190,545	1,616,749
<b>Total Engineering.....</b>	<b>4,667,183</b>	<b>14,149,773</b>	<b>18,816,956</b>
<b>Operational Support</b>			
Central Support: Clean Water Operations Management Network (Comnet)	205,985	3,786,241	3,992,226
Operational Support.....	1,456,037	4,899,888	6,355,925
<b>Total Operational Support.....</b>	<b>1,662,022</b>	<b>8,686,129</b>	<b>10,348,151</b>
<b>General and Administrative</b>			
Business Support Administration.....	20,558,673	21,313,755	41,872,428
Operating Division Administration.....	6,378,163	5,667,115	12,045,278
<b>Total General and Administrative.....</b>	<b>26,936,836</b>	<b>26,980,870</b>	<b>53,917,706</b>
<b>TOTAL EXPENSES.....</b>	<b>83,142,804</b>	<b>137,688,778</b>	<b>220,831,582</b>
<b>CAPITAL IMPROVEMENT EXPENSE.....</b>	<b>67,783,462</b>	<b>42,637,176</b>	<b>110,420,637</b>
<b>DEBT SERVICE ALLOCATION.....</b>	<b>33,721,927</b>	<b>74,984,756</b>	<b>108,706,683</b>
<b>METROPOLITAN SYSTEM INCOME CREDITS.....</b>			
Operating Revenue.....	-	(15,074,496)	(15,074,496)
Capital Improvement Project (CIP) - Revenue Bond Issue.....	-	-	-
Operating - Grant Revenue.....	-	-	-
CIP - Grant/SRF Revenue.....	-	(25,325,095)	(25,325,095)
Release of 2009 Series A&B Bond Reserves .....	(25,249,850)	(37,422,144)	(62,671,994)
<b>TOTAL METROPOLITAN SYSTEM INCOME CREDITS.....</b>	<b>(25,249,850)</b>	<b>(77,821,735)</b>	<b>(103,071,585)</b>
<b>TOTAL ALLOCATION FOR BILLING PURPOSES.....</b>	<b>\$ 159,398,343</b>	<b>\$ 177,488,975</b>	<b>\$ 336,887,317</b>

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, 2019**

#### **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) 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 Annual Comprehensive 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, and in conformity 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, 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, 2019

### **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, 2019, revenue sharing payments for FY 2019 of approximately \$3.6 million were made 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 treatment and disposal 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, 2019

**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 2019 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 2019 the following Pure Water Program expenses were incurred that were charged to the Metropolitan Wastewater Fund:

	<b><u>FY 2019 Pure Water Program Expenses</u></b>
Total operating and maintenance expenses	<u>\$ 6,681,916</u>
Capital improvement expenses:	
Morena Blvd. Pump Station and Pipelines	1,558,180
North City Water Reclamation Plant Expansion	2,094,861
Metropolitan Biosolids Center (MBC Improvements)	<u>838,710</u>
Total capital improvement expenses	<u>4,491,751</u>
Total Pure Water Program – Metropolitan Wastewater Fund expenses	<u>\$ 11,173,667</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. It is anticipated that final cost allocation will be completed after substantial completion of Phase 1 of the Pure Water Program.





**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 Members of the City Council  
City of San Diego, California

We have audited, 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, 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, 2019, and the related notes to the Schedule, and have issued our report thereon dated July 13, 2022. 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) as a basis for designing 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 Schedule. 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 entity'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 entity's internal control and compliance related to the Schedule. Accordingly, this communication is not suitable for any other purpose.

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

San Diego, California  
July 13, 2022

# Fiscal Year 2019 Exhibit E Summary Staff Report

Fiscal Year 2019’s “Schedule of Allocation for Billing to Metropolitan Wastewater Utility and Independent Auditors Report” (Exhibit E Audit) was completed on July 13, 2022. A copy of the Auditor’s Report and the reconciliation of Fiscal Year 2019 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 \$177.5 million is approximately (\$53.9) million (23%) lower than Fiscal Year 2018.

This report is primarily going to discuss the major differences between the estimates for FY 2019 and the actual activity for the year.

**TABLE B**

- The year-end reconciliation shows the total PA share of the Fiscal Year 2019 operations and CIP costs less income credits of \$57.8 million. Fiscal Year 2019 PAs were collectively been billed \$75 million which results in surplus of \$17.3 million owed to the PAs. Table B reflects the individual PA’s annual contributions, actual expenses, and reflect either a credit amount (refund) or debit owed.
- Approximately \$3 million of the refund is due to the allocations of cost between the City and the participating agencies due to the breakout between the estimated units of service and the actuals units of service. The billings had assumed 65.78% of system usage would be based on City usages, where the final allocation was 67.46%

**EXPENDITURES & INCOME CREDITS**

Capital Improvements- \$48 million

There were two primary factors that contributed to the change in assumed capital improvement.

- The Budget had assumed that FY 2019 would be the beginning of major construction of the Pure Water project, which ended up being delayed 18 months due to litigation from the construction industry. The budget assumed almost \$66 million would be spent in that fiscal year, whereas only \$4.5 million was spent. The estimate used in the budget was \$19.3 million, which attempts to match cash expenses with the proceeds from State Revolving Fund (SRF) Loans.
- Pay go Assumptions/ use of Bond Reserves: The expenditures in the capital budget were generally covered with grant and SRF funding for baseline capital projects (non-pure water) and a one-time gain from release of 2009 services bond reserves, reduce the amount of contributions from metro system users.

TABLE A

CITY OF SAN DIEGO - PUBLIC UTILITIES DEPARTMENT  
FISCAL YEAR 2019 UNIT COSTS  
FUNCTIONAL-DESIGN COST ALLOCATION METHOD

TREATMENT PARAMETER	FY 2019 BUDGET		UNITS	COST PER UNIT
WASTEWATER FLOW	AMOUNT \$86,121,078	% 48.5%	60,996 (a)	\$1,411.92 /per Million Gallons
SUSPENDED SOLIDS	\$48,601,184	27.4%	191,644 (b)	\$253.60 /per Thousand Pounds
CHEMICAL OXYGEN DEMAND	\$42,766,713	24.1%	352,105 (c)	\$121.46 /per Thousand Pounds
TOTAL	\$177,488,975	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  
DISTRIBUTION OF SYSTEM WASTEWATER COSTS - FISCAL YEAR 2019  
FUNCTIONAL-DESIGN BASED ALLOCATION METHOD

AGENCY	ALLOCATION OF COSTS BY FLOW, SUSPENDED SOLIDS AND CHEMICAL OXYGEN DEMAND				TOTAL PAID FOR FY 2019	DIFFERENCE
	FLOW (a)	SS (a)	COD (a)	TOTAL FLOW, SS & COD		
CHULA VISTA	\$8,737,702	\$5,338,090	\$4,448,107	\$18,523,899	\$22,307,280	(\$3,783,381)
CORONADO	\$687,323	\$383,096	\$293,073	\$1,363,492	\$3,231,556	(\$1,868,064)
DEL MAR	\$24,435	\$14,256	\$7,909	\$46,600	\$42,648	\$3,952
EAST OTAY MESA	\$140,997	\$76,629	\$63,856	\$281,482	\$271,860	\$9,622
EL CAJON	\$3,674,301	\$2,917,092	\$1,981,407	\$8,572,800	\$10,785,776	(\$2,212,976)
IMPERIAL BEACH	\$1,166,747	\$489,314	\$440,566	\$2,096,627	\$2,676,716	(\$580,089)
LA MESA	\$2,517,651	\$1,127,515	\$1,114,633	\$4,759,799	\$5,791,652	(\$1,031,853)
LAKESIDE/ALPINE	\$1,677,719	\$943,012	\$789,096	\$3,409,827	\$4,072,536	(\$662,709)
LEMON GROVE	\$928,769	\$449,140	\$412,356	\$1,790,265	\$2,921,884	(\$1,131,619)
NATIONAL CITY	\$2,092,893	\$1,041,309	\$1,001,400	\$4,135,602	\$5,351,432	(\$1,215,830)
OTAY	\$214,338	\$281,468	\$114,392	\$610,198	\$620,936	(\$10,738)
PADRE DAM	\$1,115,659	\$1,946,560	\$1,099,924	\$4,162,143	\$5,428,800	(\$1,266,657)
POWAY	\$1,289,618	\$656,505	\$512,475	\$2,458,599	\$3,545,708	(\$1,087,109)
SPRING VALLEY	\$2,256,773	\$1,203,432	\$1,011,259	\$4,471,465	\$6,580,440	(\$2,108,975)
WINTERGARDENS	\$515,371	\$327,947	\$231,266	\$1,074,584	\$1,413,996	(\$339,412)
SUBTOTAL PARTICIPATING AGENCIES	\$27,040,295	\$17,195,365	\$13,521,721	\$57,757,381	\$75,043,220	(\$17,285,839)
SAN DIEGO	\$59,080,783	\$31,405,818	\$29,244,992	\$119,731,594		
TOTAL	\$86,121,078	\$48,601,184	\$42,766,713	\$177,488,975		

TABLE C

CITY OF SAN DIEGO - PUBLIC UTILITIES DEPARTMENT  
SYSTEM WASTEWATER CHARACTERISTICS - FISCAL YEAR 2019  
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)	2019 FLOWS million gallons	SS thousand pounds	COD thousand pounds	2019 FLOWS million gallons	Flow Difference (c)	FY 2019 Billing Flows	SS thousand pounds	COD thousand pounds
CHULA VISTA	16.324	311	767	5,958.400	15,480	38,148	6,377.591	(189.058)	6,188.533	21,049	36,622
CORONADO	1.284	284	643	468.698	1,111	2,513	501.672	(14.872)	486.801	1,511	2,413
DEL MAR	0.046	297	488	16.663	41	68	17.835	(0.529)	17.306	56	65
EAST OTAY MESA	0.263	277	683	96.149	222	548	102.913	(3.051)	99.862	302	526
EL CAJON	6.865	405	813	2,505.574	8,459	16,993	2,681.848	(79.501)	2,602.347	11,503	16,313
IMPERIAL BEACH	2.180	214	569	795.626	1,419	3,778	851.601	(25.245)	826.356	1,929	3,627
LA MESA	4.704	228	667	1,716.832	3,270	9,559	1,837.617	(54.475)	1,783.142	4,446	9,177
LAKESIDE/ALPINE	3.134	286	709	1,144.067	2,735	6,767	1,224.556	(36.301)	1,188.255	3,718	6,497
LEMON GROVE	1.735	246	669	633.344	1,302	3,536	677.902	(20.096)	657.806	1,771	3,395
NATIONAL CITY	3.910	254	721	1,427.182	3,020	8,588	1,527.589	(45.284)	1,482.304	4,106	8,245
OTAY	0.400	669	804	146.161	816	981	156.444	(4.638)	151.806	1,110	942
PADRE DAM	2.084	889	1,486	760.788	5,645	9,433	814.312	(24.140)	790.172	7,676	9,056
POWAY	2.409	259	599	879.414	1,904	4,395	941.284	(27.904)	913.380	2,589	4,219
SPRING VALLEY	4.216	272	675	1,538.935	3,490	8,673	1,647.204	(48.830)	1,598.374	4,745	8,326
WINTERGARDENS	0.963	324	676	351.441	951	1,983	376.166	(11.151)	365.015	1,293	1,904
SUBTOTAL PARTICIPATING AGENCIES	50.519	324	754	18,439.276	49,866	115,964	19,736.533	(585.073)	19,151.460	67,805	111,327
SAN DIEGO	110.379	271	746	40,288.277	91,075	250,810	43,122.675	(1,278.336)	41,844.340	123,840	240,779
REGIONAL SLUDGE RETURNS	11.320	285	173	4,131.656	9,822	5,951					
FLOW DIFFERENCE	(5.105)			(1,863.409)	40,882	(20,620)					
TOTAL	167.112	377	692	60,995.800	191,644	352,105	62,859.209	(1,863.409)	60,995.800	191,644	352,105

TABLE D

FISCAL YEAR 2019 UNIT COSTS  
ALLOCATION OF FISCAL YEAR 2019  
FUNCTIONAL-DESIGN BASED ALLOCATION METHOD

DESCRIPTION	FY 2019 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	\$11,064,542	100.0%	\$11,064,542	0.0%	\$0	0.0%	\$0	\$11,064,542
OPERATIONS & MAINTENANCE	\$61,982,484	39.3%	\$24,333,737	32.6%	\$20,186,421	28.2%	\$17,462,326	\$61,982,484
TECHNICAL SERVICES	\$11,468,430	30.0%	\$3,440,529	40.0%	\$4,587,372	30.0%	\$3,440,529	\$11,468,430
COGENERATION	\$748,193	0.0%	\$0	60.0%	\$448,916	40.0%	\$299,277	\$748,193
METRO ADMIN & GENERAL EXPENSES - 41508	\$29,730,818	45.6%	\$13,542,812	29.6%	\$8,794,976	24.9%	\$7,393,030	\$29,730,818
METRO ADMIN & GENERAL EXPENSES - 41509	\$11,024,137	45.6%	\$5,021,652	29.6%	\$3,261,162	24.9%	\$2,741,323	\$11,024,137
TOTAL OPERATIONS AND MAINTENANCE	\$126,018,605	45.55%	\$57,403,272	29.58%	\$37,278,848	24.87%	\$31,336,485	\$126,018,605
<u>CAPITAL IMPROVEMENT PROGRAM :</u>								
PAY-AS-YOU-GO METRO 41508	\$66,243	55.8%	\$36,960	22.0%	\$14,572	22.2%	\$14,711	\$66,243
PAY-AS-YOU-GO METRO 41509	(\$23,580,629)	55.8%	(\$13,156,772)	22.0%	(\$5,187,214)	22.2%	(\$5,236,643)	(\$23,580,629)
DEBT SERVICE	\$74,984,756	55.8%	\$41,837,618	22.0%	\$16,494,978	22.2%	\$16,652,160	\$74,984,756
TOTAL CAPITAL IMPROVEMENT PROGRAM	\$51,470,370	55.8%	\$28,717,806	22.0%	\$11,322,336	22.2%	\$11,430,228	\$51,470,370
TOTAL O&M & CAPITAL IMPROVEMENT PROGRAM	\$177,488,975	<b>48.5%</b>	\$86,121,078	<b>27.4%</b>	\$48,601,184	<b>24.1%</b>	\$42,766,713	\$177,488,975

# ATTACHMENT 7 B

## METRO JPA INVOICE PROCESSING POLICY UPDATE





## METRO WASTEWATER JPA INVOICE PROCESSING AND PAYMENT POLICY

*Adopted December 2, 2021*

*Revised August 4, 2022*

1. Invoices from vendors and JPA members' per diems emailed to the Treasurer by 10th of the month.
2. Treasurer's Review:
  - a. Review (unique invoice, current amount due)
  - b. Prepare summary (Vendor, Amount), attach supporting documentation
  - c. Email to Metro TAC Chair **or Vice Chair** for review and approval
3. Metro TAC Chair **or Vice Chair** provides approved signed summary via e-mail to Treasurer.
4. Once approved, Treasurer processes checks for payment, including first wet signature by Treasurer.
5. Treasurer prepares check summary and e-mails all secondary signatories regarding check summary and availability to sign.
6. Treasurer takes or sends check summary, addressed and stamped envelopes, and checks to secondary signatory for wet signatures. Second signatory may be either the Metro JPA Chair, Finance Committee Chair, ~~or~~ Metro JPA Vice-Chair **or MetroTAC Chair or Vice Chair provided the signatory has not approved the vendor and amount as in Item 2 c above**, based on availability. Secondary signer mails checks to vendors and signed check summary back to Treasurer by month end.
7. Signed check summary maintained for audit records.

**NOTE:** Concept is that check summary should have three signatures on it: Treasurer's, Metro TAC Chair **or Vice Chair**, and second signatories and be maintained for auditor records if needed. Alternative to second signatory mailing checks is for Treasurer to mail checks after second signatory signs checks.

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The Joint Powers Authority Proactively Addressing Regional Wastewater Issues

Chula Vista • Coronado • Del Mar • El Cajon • Imperial Beach • La Mesa • Lemon Grove Sanitation District  
National City • Otay Water District • Poway • Padre Dam Municipal Water District  
County of San Diego, representing East Otay, Lakeside/Alpine, Spring Valley & Winter Gardens Sanitation Districts

# ATTACHMENT 8

## STRENGTH BASED BILLING FRAMEWORK UPDATE



# Strength Based Billing Framework Update

*July 20, 2022*



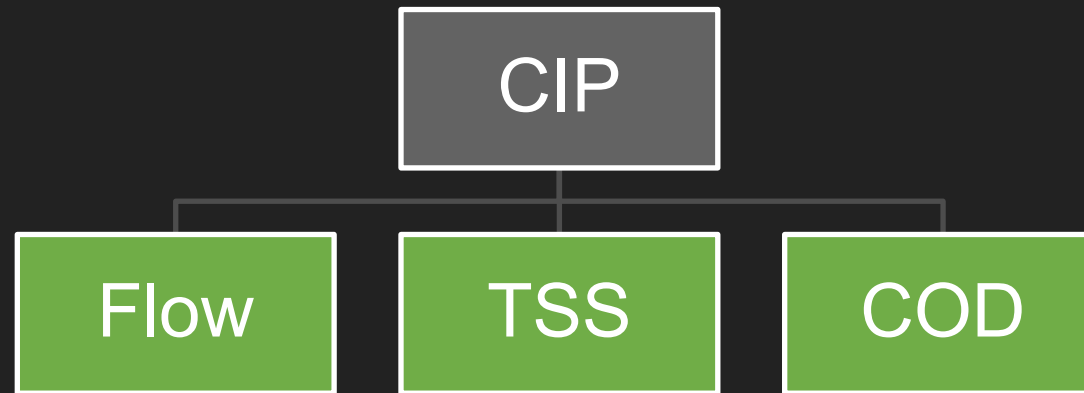
# Current and Future Framework

# Functional-Design Allocations

Functional

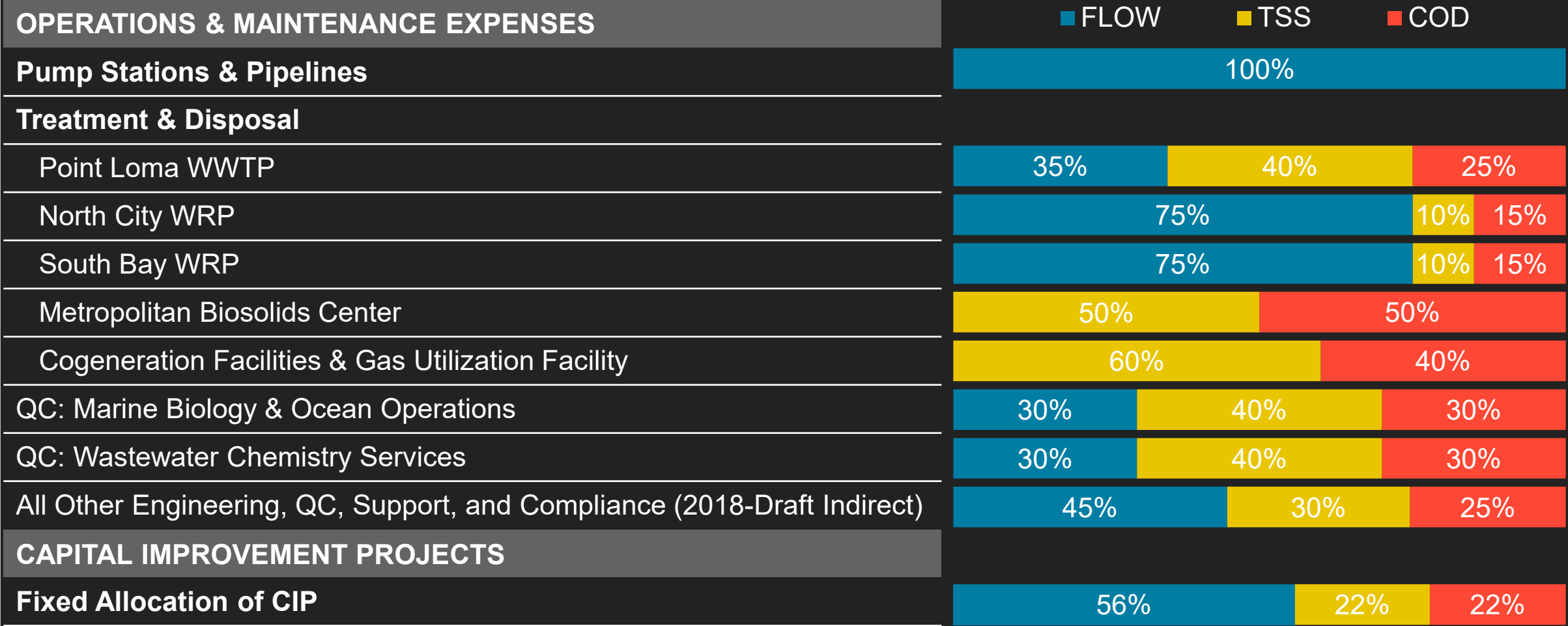


Design





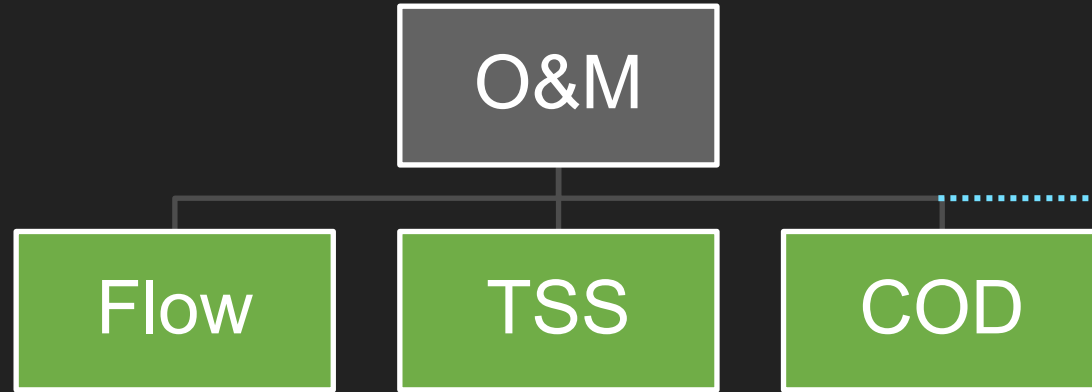
# Current Framework: Metro System Wastewater





# Functional-Design Allocations

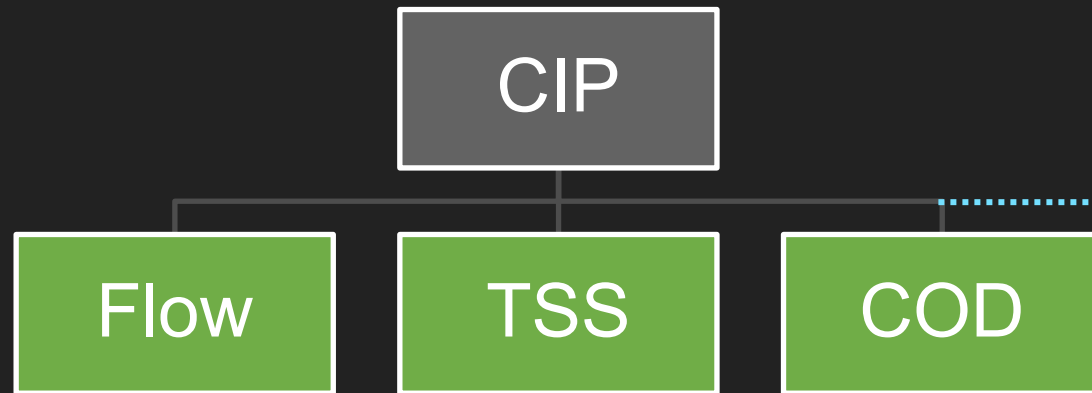
Functional



Potential New Allocation Factors



Design







# Functional-Design Allocations

## How do we get there?

### Design Basis

1. Detailed review of physical assets
  - Allocations by plant and by function/process
  - Allocating asset value to parameters
2. Similar approach for capital projects

### Functional Basis

1. Allocate direct O&M budget by plant
  - Functional allocation of assets
  - Question: “What kinds of things will change?”
2. Work with operations & engineering staff to review functional basis
  - Review and affirm allocations based on process and asset changes, and projected staffing and operating costs





# Current & Future Units of Service

DISTRIBUTION OF WASTEWATER SYSTEM OWNERSHIP AND USE  
ADDITIONAL DETAIL

AGENCY	OWNERSHIP					USE				
	Average Flow, MGD	Peak Flow, MGD	Brine	TSS <sup>1</sup> , 1,000 lbs.	COD <sup>1</sup> , 1,000 lbs.	Average Flow, MGD	Peak Flow, MGD	Brine	TSS, 1,000 lbs.	COD, 1,000 lbs.
Chula Vista	19.58	40.99	0	23,288	43,634	15.47	15.47	0	18,402	34,480
Coronado	2.44	5.10	0	3,248	4,605	1.39	1.39	0	1,846	2,617
Del Mar	0.03	0.06	0	40	43	0.27	0.27	0	363	391
East Otay Mesa	4.30	9.01	0	5,033	8,803	0.26	0.26	0	299	523
El Cajon	0.99	15.90	0.6	11,202	17,560	6.44	6.44	0.6	9,499	14,890
Imperial Beach	2.31	4.83	0	2,111	3,773	2.08	2.08	0	1,900	3,396
La Mesa	4.81	10.08	0	5,193	8,694	4.30	4.30	0	4,635	7,760
Lakeside/Alpine	0.83	14.09	0.6	8,471	14,538	2.88	2.88	0.6	3,627	6,225
Lemon Grove	2.29	4.79	0	2,275	4,449	1.58	1.58	0	1,576	3,082
National City	3.91	8.19	0	4,028	8,453	3.80	3.80	0	3,915	8,216
Otay	0.38	0.80	0	1,170	1,060	0.31	0.31	0	958	868
Padre Dam	0.00	5.20	0.3	5,262	8,119	2.45	2.45	0.3	5,192	8,011
Poway	3.11	6.51	0	3,592	5,607	2.34	2.34	0	2,701	4,216
Spring Valley	8.35	17.49	0	9,484	16,789	4.34	4.34	0	4,933	8,733
Wintergardens	0.92	1.93	0	1,267	1,978	0.92	0.92	0	1,265	1,975
<b>SUBTOTAL</b>	<b>54.3</b>	<b>145</b>	<b>1.5</b>	<b>85,664</b>	<b>148,107</b>	<b>48.8</b>	<b>48.83</b>	<b>1.5</b>	<b>61,111</b>	<b>105,383</b>
San Diego										
Wastewater	110.16	230.62	0	124,162	240,238	105.71	105.71	0	119,153	230,547
Water	0.00	0.00	14.3	0	0	0.00	0.00	14.3	0	0
<b>SUBTOTAL</b>	<b>110.2</b>	<b>231</b>	<b>14.3</b>	<b>124,162</b>	<b>240,238</b>	<b>105.7</b>	<b>105.71</b>	<b>14.3</b>	<b>119,153</b>	<b>230,547</b>
<b>TOTAL</b>	<b>164.4</b>	<b>376</b>	<b>15.8</b>	<b>209,825</b>	<b>388,345</b>	<b>154.5</b>	<b>154.55</b>	<b>15.8</b>	<b>180,264</b>	<b>335,930</b>

1. Calculated based on increasing use proportionally based on ownership average flow versus use average flow.



# Project Approach



# Process & Implementation Considerations

Current system is tried & tested with buy-in from PA's

- Aim to align proposed framework to existing billing procedures & workflows
- Bill based on measurable parameters
- Identify any potential areas for improvement during study

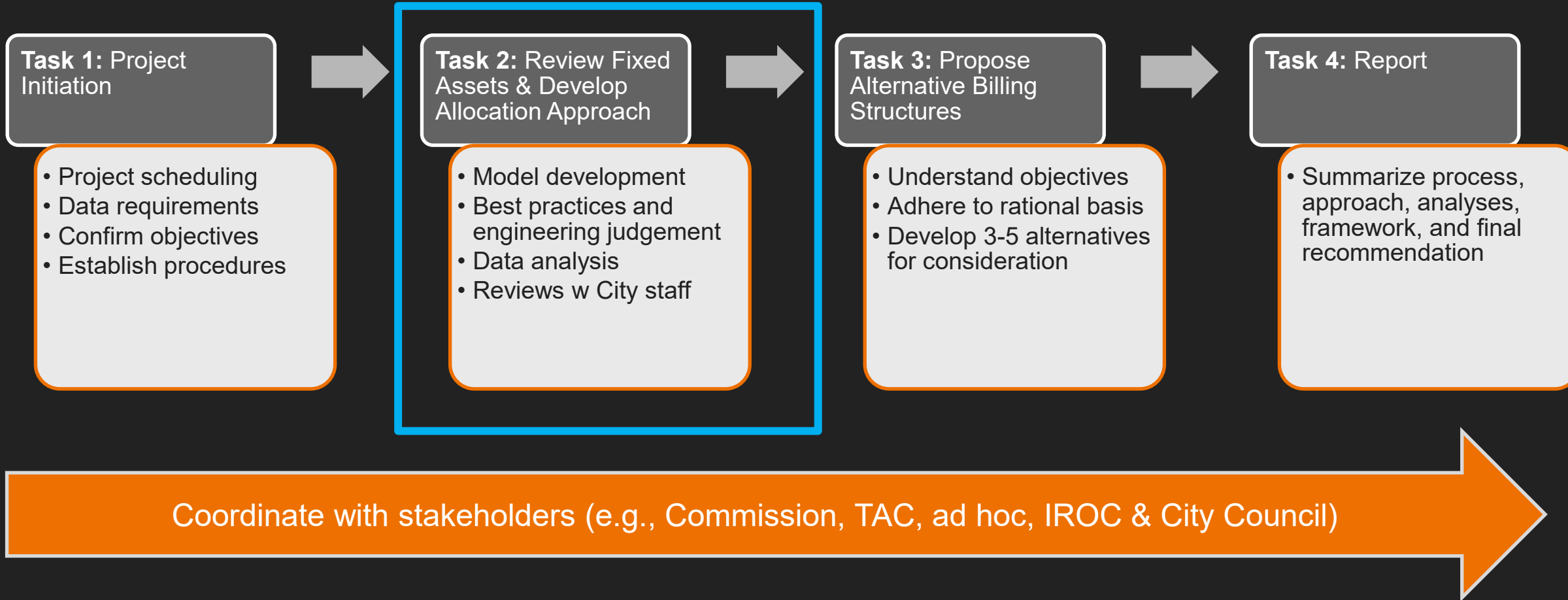
Clearly define terms & parameters, their basis, and process for modifications

- Brine – Acceptable constituents and ranges of strength
- Capacity – Means of estimating peak flows with criteria and process for changes
- Others – Allocation of centrate, basis for fixed vs variable charges, etc.

Provide approach to modify allocations & rates as system changes

- Need framework that works while regional dynamics & networks evolve
- Define triggers or milestones for reviews and updates

# Approach Overview





# Thank you

**Benjamin Stewart**

Senior Manager

Sacramento, California

[Benjamin.A.Stewart@Stantec.com](mailto:Benjamin.A.Stewart@Stantec.com)

# ATTACHMENT 9

CONTRACT WITH  
ADS CORP.  
WASTEWATER  
FLOW MONITORING  
EQUIP., SOFTWARE  
& SERVICES

**METRO JPA/TAC**  
**Staff Report**  
**Date: 7/13/2022**

**Subject Title:**

Award Contract to ADS Corp. for Wastewater Flow Monitoring Equipment, Software and Services (RFP 10089830-22-J)

**Requested Action:**

JPA/TAC authorization to approve the Sewer Flow Monitoring and Event Notification Services Agreement between the City of San Diego and ADS CORP. This agreement includes the equipment, software, event notification capabilities and maintenance services to 162 flow monitoring sites.

**Recommendations:**

Approve the contract request

Metro TAC:	To be submitted for consideration on September 13, 2022.
IROC:	N/A
Prior Actions: (Committee/Commission, Date, Result)	N/A

**Fiscal Impact:**

Is this projected budgeted?	Yes <u>  X  </u> No <u>      </u>
Cost breakdown between Metro & Muni:	It is estimated that the funding will be distributed as follows: Muni: 40% (\$3,599,086.00) Metro: 60% (\$5,441,956.00)
Fiscal impact to the Metro JPA:	33.5% of Metro costs = \$1,823,055.26 (5 years)

**Capital Improvement Program:**

New Project?	Yes <u>  X  </u> No <u>      </u> N/A <u>      </u>
Existing Project?	Yes <u>      </u> No <u>  X  </u> Upgrade/addition <u>      </u> N/A <u>      </u>

**Previous TAC/JPA Action:**

N/A

**Additional/Future Action:**

To be approved by City Environment Committee on July 21, 2022

**City Council Action:**

Tentatively scheduled for consideration by full council in September 2022

**Background:**

The City of San Diego (City) Public Utilities Department (PUD) manages and operates the wastewater collection and treatment system for the Metropolitan area of southwestern San Diego County. This system collects and treats the wastewater generated by a regional population of 2.3 million, producing approximately 147 million gallons of wastewater per day. This system, referred to as the Metro System, is comprised of 15 cities and districts (Participating Agencies (PA)) including the City of San Diego. Each Participating Agency maintains its own wastewater collection system, which ties into the City wastewater system. The sewer monitoring program has been in service for the past 20 years by different vendors. The vendor installs advanced sewer monitoring devices at 160-170 locations (Sewer manholes/pipelines and pump stations) to collect data on sewer flows, and data will be used for sewer revenue billing, sewer spill notification and hydraulic capacity analysis.

**Discussion:**

PUD issued RFP 10089830-22-J, Wastewater Flow Monitoring Equipment, Software and Services REBID on November 24, 2021. The RFP evaluation was completed in April 2022.

**Bid Results:**

ADS Corporation was selected through this competitive RFP process.

ADS: \$9,041,042



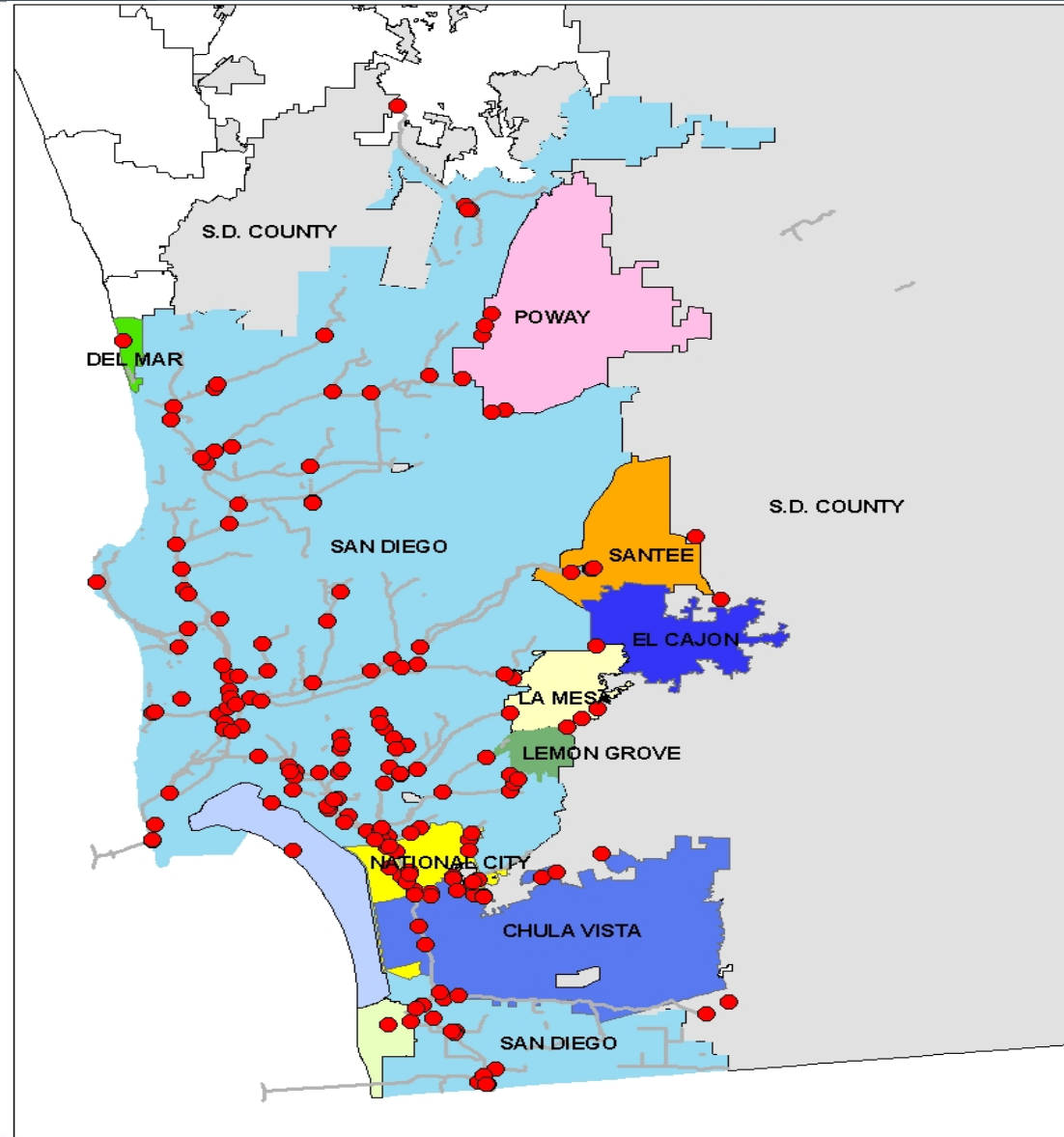
Public Utilities Department

# Sewer Flow Monitoring and Event Notification

July 2022

## BACKGROUND

- A. Sewer Flow Monitoring Program First Began in 1990s
- B. Currently 162 Metering sites (show map)
- C. Primary Use:
  - 1. Sewer revenue billing
  - 2. Alarming and Event Notification for early spill detection
  - 3. Operation of large pump station and treatment plants
  - 4. Engineering Studies / Hydraulic Modeling





## Services Provided by Contract

- A. Sewer Flow Meter Installation
- B. Sewer Flow Meter Ongoing Maintenance
- C. ADS Prism Interface
- D. Near Real-Time Alarm Notification System

## Contract Overview

- Current contract expires in November 2022
- ADS was selected through a competitive RFP process
- New Contract term is 5 years
  - 2 Years with option to extend 3 One-Year Extensions
- Total Cost = 9.1 Million Dollars

## Contract Cost to the City & PAs

- Maintain Same Pricing for the first 2 years
- 2.5% Increase in year 3
- 3% Increase each year in years 4 and 5
- 1<sup>st</sup> Year total cost is approx. \$1.7 M (\$1,585,000 for base services with \$134,000 for additional services)
  - Metro expenditure is \$1,031,000
    - PAs' Share = \$342,000 (Approx. \$24,000 each PA)
  - Muni expenditure is \$687,000



# Questions

# ATTACHMENT 12

## 3RD QTR METRO CAPITAL IMPROVEMENT PROGRAM AND FUNDING





**THE CITY OF SAN DIEGO**

**M E M O R A N D U M**

**DATE:** May 10, 2022

**TO:** Metro Technical Advisory Committee (Metro TAC)

**FROM:** Surraya Rashid, Deputy Director, Public Utilities Department

**SUBJECT:** FY2022 Capital Improvements Projects (CIP) Report – 3rd Quarter

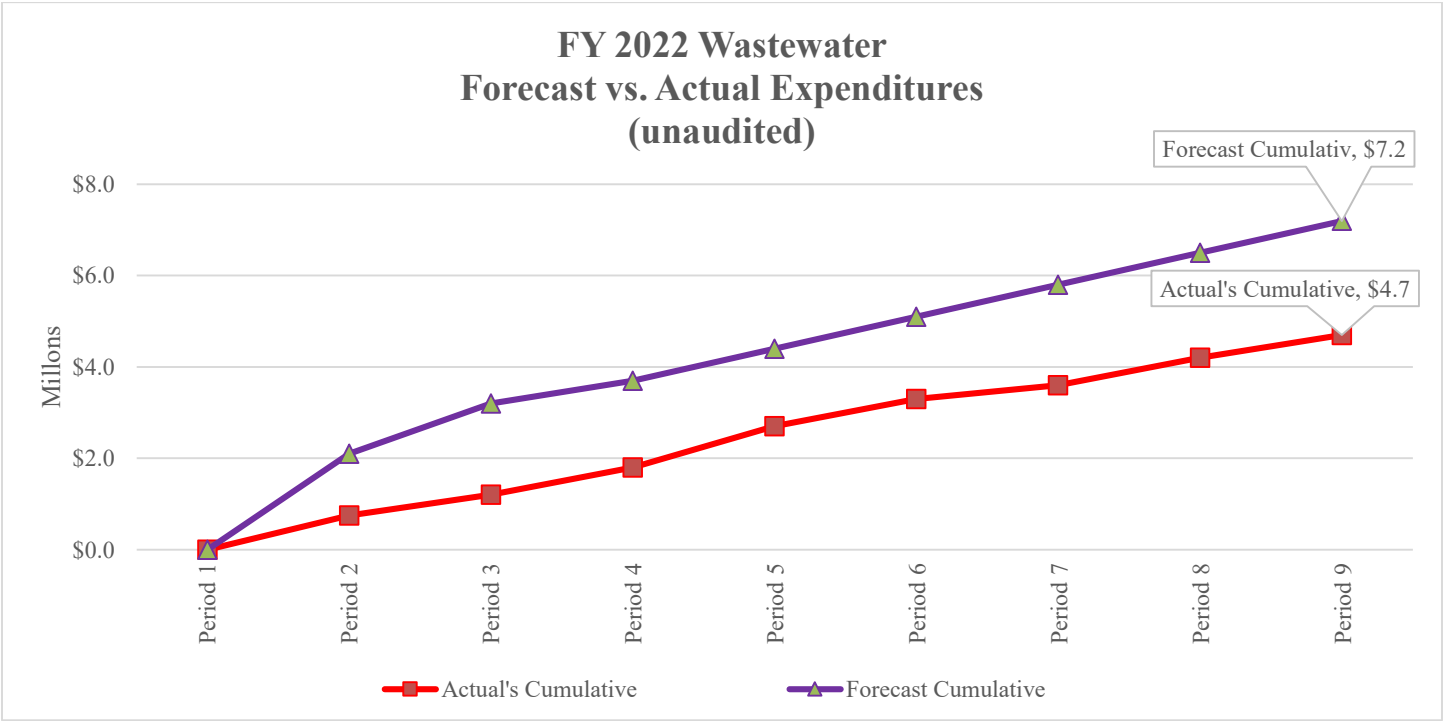
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The Public Utilities Department hereby submits the FY2022 CIP updates for the period of January 1, 2022 through March 31, 2022.

The report includes the following:

- Forecast versus actual expenditures report
- Projects expenditure updates

**FORECAST VERSUS ACTUAL EXPENDITURES UPDATES**



## WASTEWATER PROJECTS

**FY 2022 - 3rd Quarter (Financial Data run March 31, 2021)**

**NOTES:**

- Wastewater projects are separated into Muni and Metro

[illegible]

# ATTACHMENT 13 A

## PURE WATER COST CONSTRUCTION CONTRACTS

Schedule Data Date: May 31, 2022

15-Jun-22

Construction Package	Projected/Actual Bid Date	Projected/Actual Contractor Notice-To-Proceed	Projected Substantial Completion	Updated Engineer's Estimate	Bid Award (1)	Change Orders (2)	Total Contract	Paid to Date (2)	Construction Company
Early Sitework	October 18, 2018	May 22, 2019	July 27, 2021	\$14,500,000	\$16,403,300	\$1,184,211	\$17,587,511	\$17,592,728	Shimmick
NC Pure Water Facility & NC Pure Water Pump Station	August 7, 2020	April 19, 2021	August 11, 2025	\$455,704,000	\$356,681,930	\$440,601	\$357,122,531	\$68,695,387	Shimmick
Morena Northern Alignment & Tunnels	August 17, 2020	June 14, 2021	August 23, 2024	\$98,936,360	\$95,243,645	\$5,900,000	\$101,143,645	\$2,152,006	OHL USA, Inc
Morena Pump Station	October 21, 2020	June 14, 2021	June 5, 2025	\$109,700,000	\$110,386,350	\$0	\$110,386,350	\$21,668,966	Flat Iron West
NC Pure Water Pipeline and Dechlorination Facility & Subaqueous Pipeline	November 30, 2020	June 1, 2021	October 2, 2025	\$138,010,000	\$123,456,027	\$0	\$123,456,027	\$5,162,568	W.A. Rasic Construction Company, Inc.
NCWRP Expansion & PWF Influent Conveyance	December 16, 2020	August 4, 2021	June 5, 2025	\$208,660,000	\$255,138,000	\$61,145	\$255,199,145	\$16,525,956	Kiewit Infrastructure West Co.
NC MBC Improvements	February 9, 2020	September 15, 2021	June 5, 2025	\$40,384,677	\$40,086,690	\$65,873	\$40,152,563	\$3,224,655	PCL Construction, Inc.
NCWRP EQ Basins	May 11, 2021	December 6, 2021	November 7, 2023	\$10,540,000	\$11,886,000		\$11,886,000	\$258,986	Kiewit Infrastructure West Co.
Morena Conveyance Southern & Middle	December 28, 2021	August 30, 2022	May 15, 2025	\$115,954,829	\$129,753,895		\$129,753,895		Sukut Construction, LLC
Miramar Reservoir Pump Station Improvements	March 18, 2022	September 6, 2022	December 2, 2024	\$10,253,000	\$12,692,000		\$12,692,000		Shimmick
				<b>\$1,202,642,866</b>	<b>\$1,151,727,837</b>	<b>\$7,651,830</b>	<b>\$1,159,379,667</b>	<b>\$135,281,252</b>	

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

2. Change order and paid-to-date amounts based on March 31, 2022 quarterly cash flow.

# ATTACHMENT 14

## METROTAC UPDATE/REPORT

**Metro TAC & JPA Work Plan**  
**Active & Pending Items**  
**July 2022**  
*Updated Items in Red Italics*

Active Items	Description	Member(s)
Metro JPA AdHoc 2 <sup>nd</sup> ARA	JPA Board work group. Formed to review all items being negotiated in the 2 <sup>nd</sup> ARA prior to going to the full Board. Meets every 2-3 weeks as needed. First meeting March 16, 2022.	Jerry Jones Marvin Heinze Gary Kendrick Ed Spriggs JPA Support staff
IRWMP	JPA Members should monitor funding opportunities at: <a href="http://www.sdirwmp.org">http://www.sdirwmp.org</a> 1/21: Beth Gentry continues to give monthly TAC updates. Details can be found in minutes of each meeting.	Beth Gentry Yazmin Arellano
Exhibit E Audit	1/21: FY2019 Exhibit E audit is in fieldwork stage. JPA team reviewing SD responses to sample questions. 4/11/2022: FY2019 scheduled to complete April/May 2022; FY 2020 audit final field work completed. Owner controlled insurance program detail discussion (future). 6/13/22: FY 2021 Entrance Conference 7/14/22: FY2019 Audit received	Lee Ann Jones-Santos Karyn Keese Dexter Wilson
Industrial Wastewater Control Committee	Formed to work with San Diego on new standards for industrial waste discharge and cost allocation of same. 1/2021: SD is trying to formalize a pretreatment rate case and has hired a consultant. Monthly updates are presented at TAC and JPA. 3/16/2022: Monthly meetings to discuss the pretreatment agreement and considerations for the 2nd ARA, reviews of local limits, and the industrial user permit fees and program	Beth Gentry Interested JPA members Dexter Wilson SD Staff & Consultants
Emergency Mutual Aid Committee	Formed with the intent the sharing of resources during an emergency. First draft was completed and the next draft will be circulated for interested agencies.	Peejay Tuongbanua Steve Beppler, Yazmin Arellano, Mike James Hamed Hashemian
Phase I Financial Implementation Working Group (FIG)	This working group was formed to continue to work on Section 2.9.1 and other financial implementations issues in Exhibit F associated with the Amended Restated Agreement. 1/2021: Group will start meeting once the ARA is fully signed (January 2021) on a regular basis with a goal to complete all tasks by 1/2022. 3/16/2022: Group continues to meet every two weeks.	Beth Gentry Karyn Keze Dexter Wilson SD staff & consultants
2 <sup>nd</sup> ARA Negotiating Team	This group was created to negotiate the 2 <sup>nd</sup> Amended Restated Agreement ARA2) which will incorporate the completed financial and other items from the first ARA. 3/16/2022: Negotiating Team meets every 3 weeks to follow through with topics raised during the First ARA.	Beth Gentry Yazmin Arellano Karyn Keze Scott Tulloch Dexter Wilson SD staff & consultants
Changes in wastewater/water legislation	NOTE: Procopio, Metro TAC and the Commission 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.	Procopio JPA members as appropriate

Sewer Rate Comparison for Metro Participating Agencies  
Single Family Monthly Rates Based on 7 HCF of Water Usage  
Effective January 1, 2022 for FY 2022

