

**CUPERTINO SANITARY DISTRICT
SANITARY BOARD MEETING
WEDNESDAY, MARCH 3, 2021**

A_G_E_N_D_A

In accordance with Executive Order N-33-20, meeting to be held at 7:00 p.m. via teleconference [call 1 (866) 899 - 4679 Conference Access Code: 251566821] and anyone interested may also call in. The District Office at 20863 Stevens Creek Blvd, Suite 100, Cupertino is closed.

1. ROLL CALL

2. PUBLIC COMMENTS

THIS PORTION OF THE MEETING IS RESERVED FOR PERSONS DESIRING TO ADDRESS THE BOARD ON ANY MATTER NOT ON THE AGENDA. SPEAKERS ARE LIMITED TO THREE (3) MINUTES.

ALL STATEMENTS REQUIRING A RESPONSE WILL BE REFERRED TO STAFF FOR FURTHER ACTION. IN MOST CASES, STATE LAW WILL PROHIBIT THE BOARD FROM MAKING ANY DECISIONS WITH RESPECT TO A MATTER NOT LISTED ON THE AGENDA.

3. CLOSED SESSION

- A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District and the City of Milpitas v. The City of San Jose, The City of Santa Clara and Does 1 through 50 inclusive.

4. MINUTES

- A. APPROVAL OF THE MINUTES OF FEBRUARY 3, 2021
- B. APPROVED MINUTES OF FEBRUARY 17, 2021

5. CORRESPONDENCE

- A. CSDA - SPECIAL DISTRICTS PROVIDE ESSENTIAL SERVICES ACT

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6. MEETINGS

- A. TELECONFERENCE MEETING OF THE SAN JOSE/SANTA CLARA TREATMENT PLANT TECHNICAL ADVISORY COMMITTEE (TAC) TO BE HELD ON MARCH 9, 2021
- B. TELECONFERENCE MEETING OF THE SAN JOSE/SANTA CLARA TREATMENT PLANT ADVISORY COMMITTEE (TPAC) TO BE HELD ON MARCH 11, 2021

7. REPORTS

- A. TELECONFERENCE MEETING OF THE SANTA CLARA COUNTY SPECIAL DISTRICTS ASSOCIATION HELD ON MARCH 1, 2021

8. UNFINISHED BUSINESS

- A. FORM 700
- B. COVID-19 UPDATES

9. NEW BUSINESS

- A. PRELIMINARY 2021-2022 BUDGET DISCUSSION
- B. RATE STUDY METHODOLOGY AND REVENUE
- C. CASA CONFERENCE CALL FOR ABSTRACTS

10. STAFF REPORT

- A. VALLCO
- B. FLOW METERING AT HOMESTEAD METERING STATION

11. CALENDAR ITEMS

- A. NEXT REGULAR DISTRICT BOARD MEETING IS SCHEDULED TO BE HELD ON WEDNESDAY, MARCH 17, 2021

12. ADJOURNMENT

CUPERTINO SANITARY DISTRICT MEETING/EVENT SCHEDULE

MARCH 2021

03/01: Santa Clara County Special Dist. Assoc.
 03/03: 1st Regular Meeting
 03/09: TAC
 03/11: TPAC
 03/17: 2nd Regular Meeting

MARCH 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 SCCSDA	2	3 1 st Regular Meeting	4	5	6
7	8	9 TAC	10	11 TPAC	12	13
14	15	16	17 2 nd Regular Meeting	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

APRIL 2021

04/06: TAC
 04/07: 1st Regular Meeting
 04/08: TPAC
 04/21: 2nd Regular Meeting

APRIL 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6 TAC	7 1 st Regular Meeting	8 TPAC	9	10
11	12	13	14	15	16	17
18	19	20	21 2 nd Regular Meeting	22	23	24
25	26	27	28	29	30	

MAY 2021

05/05: 1st Regular Meeting
 05/11: TAC
 05/13: TPAC
 05/19: 2nd Regular Meeting

MAY 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5 1 st Regular Meeting	6	7	8
9	10	11 TAC	12	13 TPAC	14	15
16	17	18	19 2 nd Regular Meeting	20	21	22
23	24	25	26	27	28	29
30	31 MEMORIAL DAY					

CUPERTINO SANITARY DISTRICT BOARD MEETING WEDNESDAY, FEBRUARY 17, 2021

The Sanitary Board of the Cupertino Sanitary District convened this date at 7:00 p.m. This meeting was conducted in accordance with the Executive Order N-33-20 via teleconferencing. The District office at 20863 Stevens Creek Blvd, Suite 100, Cupertino was closed.

1. ROLL CALL:

President Saadati called the meeting to order and the following proceedings were had to wit: Roll call was taken, with the following members in attendance:

Directors present: Angela S. Chen, Taghi S. Saadati, John M. Gatto, William A. Bosworth, and Patrick S. Kwok.

Staff present: District Manager Benjamin Porter, Deputy District Manager Robert Woodhouse, and Counsel Marc Hynes.

District Consultant: Richard Tanaka

Public: None

2. PUBLIC COMMENTS:

There were none.

3. CLOSED SESSION:

President Saadati adjourned the regular meeting session and opened the closed session at 7:01 p.m. Manager Porter and Deputy Manager Woodhouse were excused from the closed session.

A. Conference with legal counsel – Existing Litigation in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District, and the City of Milpitas v. The City of San Jose, The City of Santa Clara, and Does 1 through 50 inclusive.

Closed session was adjourned at 7:34 p.m. and the regular meeting was called to order. District Manager Porter and Deputy District Manager Woodhouse rejoined the regular meeting. There was no reportable action.

4. MINUTES & BILLS:

A. On a motion by Director Gatto, seconded by Director Bosworth, by a vote of 5-0-0 the minutes of Wednesday, February 3, 2021 were approved as written.

B. By consensus, the Minutes of Wednesday, January 20, 2021 is to be Noted & Filed.

C. The Board reviewed January payable warrants and financial statements. The Board discussed flume metering and costs to calibrate the meter periodically. On a motion by Director Gatto, seconded by

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WEDNESDAY, FEBRUARY 17, 2021

Director Kwok, by a vote of 5-0-0, the financial statement and payment of bills were approved as written.

D. Board members will submit their February timesheets to Manager Porter.

5. CORRESPONDENCE:

There was none.

6. MEETINGS:

A. Director Bosworth plans to attend the teleconference meeting of the Santa Clara County Special Districts Association to be held on March 1, 2021.

7. REPORTS:

A. Manager Porter reported on the teleconference meeting of the San Jose/Santa Clara Treatment Plant Technical Advisory Committee (TAC) held on February 8, 2021. The dewatering capital project at the WPCP will be delayed for another year so this year's capital charges will be reduced.

B. Director Gatto reported on the teleconference meeting of the San Jose/Santa Clara Treatment Plant Advisory Committee (TPAC) held on February 11, 2021.

8. UNFINISHED BUSINESS:

A. Manager Porter reported on COVID-19 updates.

B. The Board reviewed and discussed the budget reallocation (revised). Manager Porter is authorized to make further adjustments to the budget when the final costs for the capital improvements and O&M at the Water Pollution Control Plant are known. Manager Porter will request advance notice of the planned charges for the upcoming year so the District can better develop next year's District budget. On a motion by Director Gatto, seconded by Director Bosworth, by a vote of 5-0-0 the revised budget reallocation was approved.

C. Manager Porter presented a summary of the Rate Study Methodology. District staff recommended use of the lower cost of service to adjust the rates for residents in the pump station zones. The adjustment will only account for higher costs due to the operations and maintenance of the District's 17 pump stations, which is a similar approach used by other agencies. District staff will also use a 75% adjustment in the SFR rate for MFR customers. District staff will now proceed with the development of the rate study for the District.

D. The Board was reminded to submit Form 700 filing.

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9. NEW BUSINESS:

- A. The Board reviewed the Board Memo regarding an insurance claim of a stolen pump station generator. On a motion by Director Gatto, seconded by Director Kwok, by a vote of 5-0-0 the Board approved submittal of insurance claim and payment of \$2,000 deductible.

10. STAFF REPORTS:

- A. Deputy Manager Woodhouse reported on Vallco. Deputy Manager Woodhouse presented slides on the overall purpose of the I/I Reduction Program and responded to questions from the Board regarding the draft Installer's Agreement and the I/I Reduction Program. The Board asked for minor revisions to the wording of the Installer's Agreement and asked District staff to investigate whether the I/I Reduction Program can be accelerated. District staff will discuss the draft Installer's Agreement with Vallco and secure their review comments on the document. The Board would like to reconsider the agreement at the next Board meeting.
- B. Manager Porter reported on the monthly maintenance report. One Category 3 SSO was reported in the District and a report was filed with CIWQS.

11. CALENDAR ITEMS:

The next regular District Board meeting is scheduled to be held on Wednesday, March 3, 2021.

12. ADJOURNMENT:

On a motion properly made and seconded, at 9:51 p.m. the meeting was adjourned.

Secretary of the Sanitary Board

President of the Sanitary Board

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, FEBRUARY 03, 2021

The Sanitary Board of the Cupertino Sanitary District convened this date at 7:00 p.m. This meeting was conducted in accordance with the Executive Order N-33-20 via teleconferencing. The District office at 20863 Stevens Creek Blvd, Suite 100, Cupertino was closed.

1. ROLL CALL:

President Saadati called the meeting to order and the following proceedings were had to wit: Roll call was taken, with the following members in attendance:

Directors present: Angela S. Chen, Taghi S. Saadati, John M. Gatto, William A. Bosworth, and Patrick S. Kwok.

Staff present: District Manager Benjamin Porter, Deputy District Manager Robert Woodhouse, and Counsel Marc Hynes.

District Advisor: Richard Tanaka

Public: None

2. PUBLIC COMMENTS:

There were none.

3. CLOSED SESSION:

President Saadati adjourned the regular meeting session and opened the closed session at 7:02 p.m. Manager Porter and Deputy Manager Woodhouse were excused from the closed session.

A. Conference with legal counsel – Existing Litigation in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District, and the City of Milpitas v. The City of San Jose, The City of Santa Clara, and Does 1 through 50 inclusive.

Closed session was adjourned at 7:30 p.m. and the regular meeting was called to order. District Manager Porter and Deputy District Manager Woodhouse rejoined the regular meeting. There was no reportable action.

4. MINUTES:

A. On a motion by Director Chen, seconded by Director Gatto, by a vote of 5-0-0 the minutes of Wednesday, January 20, 2021 were approved with revisions.

B. By consensus, the Minutes of Wednesday, January 6, 2021 are to be Noted & Filed.

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, FEBRUARY 03, 2021

5. CORRESPONDENCE:

- A. The Board reviewed the Santa Clara County Voters Registration Memo to Form 700 Filing Officials. It is to be Noted & Filed.

6. MEETINGS:

- A. Manager Porter plans to attend the teleconference meeting of The San Jose/Santa Clara Treatment Plant Technical Advisory Committee (TAC) scheduled to be held February 9, 2021.
- B. Director Gatto plans to attend the teleconference meeting of The San Jose/Santa Clara Treatment Plant Advisory Committee (TPAC) scheduled to be held February 11, 2021

7. REPORTS:

- A. Several Board Members attended the CSRMA virtual webinars held on January 26, 2021. During one session it was mentioned that 59% of new employees have accidents during their first six months of employment. The key to reducing accidents with new employees is enhanced safety training.
- B. All Board Members and staff attended the CASA Virtual Winter Conference held January 27-28, 2021.

Director Bosworth reported on the CSRMA Board of Directors meeting and noted that insurance rates are on the rise and it is necessary to plan for a 35% increase in insurance rates during the next budget planning cycle. Insurance deductible amounts will also be going up to \$100K for the pool liability program.

President Saadati reported on What's Next for Agency Financing and Investment?

8. UNFINISHED BUSINESS:

- A. Manager Porter reported on COVID-19 updates. All staff continue to work safely, without any positive tests for COVID-19.

9. NEW BUSINESS:

- A. The Board reviewed the CSDA survey. Manager Porter is to complete the survey and submit to CSDA.
- B. The Board discussed the Board Memo for Terry Brown-Cordova Reimbursement. The revised memo indicates that fees provided by Terry Brown-Cordova are not refundable. No action was required by the Board.

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WEDNESDAY, FEBRUARY 03, 2021

- C. Manager Porter made a presentation for Workshop #6. The intent of the new rate structure is to make CUSD rates fairer and more equitable to the various types of customers. Manager Porter provided additional information on how the costs of service were being developed for those customers located in the pump station zones of the District.

It is necessary to perform a careful review of all other projects attached to the pump station zones to make sure they are defensible. For example:

- Need to increase the amount of the Low-Level Pump Station Zone costs to include the cost of SCADA. Need to decrease the cost of the High-Level Pump Station Zone to remove the \$100K scheduled to be completed at the Prospect Pump Station. That work has already been completed in the Prospect Pump Station emergency repair project.
- Also need to remove the \$280K Inflow Correction project.

It is necessary to change the 76% factor applied to SFR to get MFR rates to either 75% or 80%. Our work is not that accurate, and an overly accurate percentage will be hard to defend. The upper level pump station zone cost estimate appears to be better supported than the medium level pump station zone cost estimate.

10. STAFF REPORTS:

- A. Manager Porter reported on the FY 2019/20 audit report.
- B. Manager Porter and Deputy Woodhouse reported on Vallco. The Board requested that staff revise the draft Vallco Installers Agreement to include monitoring the progress of the I/I Program and then offering a pivot point after the first two phases of the program. The pivot point will allow for a change in approach away from I/I Reduction and implement conveyance and storage options as a means to reduce the total wet weather flows to the City of Santa Clara below 13.8 MGD.

11. CALENDAR ITEMS:

The next regular District Board meeting is scheduled to be held on Wednesday, February 17, 2021.

12. ADJOURNMENT:

On a motion properly made and seconded, at 10:09 p.m. the meeting was adjourned.

Secretary of the Sanitary Board

President of the Sanitary Board

From: Colleen Haley <colleenh@cda.net>
Sent: Thursday, February 25, 2021 3:06 PM
To: Benjamin Porter <bporter@markthomas.com>
Subject: Would Your District be willing to send letters?

Hi Ben,

Below is a quick update on the current legislation in which CSDA is requesting our members send support letters. The Cupertino Sanitary District sent a support letter on H.R. 7073 (Garamendi) last year, which has now been reintroduced this year to be H.R. 535 (Garamendi) and S. 91. Would your district be willing to send another letter in support of the "Special Districts Provide Essential Services Act?" Please let me know if you or your board members have any questions.

H.R. 535 (Garamendi) and S. 91 (Sinema)

As you know, CSDA is calling on special district to send letters of support for [H.R. 535](#) and [S. 91](#), the "Special Districts Provide Essential Services Act." Your district may also choose to sign on to [commit your support and sign onto a national letter to congress](#).

[Click here to find your U.S. House representative.](#)

[Click here to download your template letter.](#)

[Click here for a bill fact sheet, talking points, FAQ and discussion guide.](#)

Timeline: It is expected that the next COVID-related stimulus package will be passed very soon. Our hope to have the Special Districts Provide Essential Services Act incorporated into that package. Therefore, we are requesting support letter for H.R. 535 and S. 91 to be submitted as soon as possible. Or, if you district chooses, you may sign onto the national coalition letter to congress as mentioned above.

AB 361 (Rivas)

CSDA is also requesting support letters for [Assembly Bill 361 \(Rivas\)](#), which will allow public agencies to meet remotely, as they do now under the Governor's Executive Orders related to COVID-19. Your district may also or instead [choose to sign onto a automatically generated letter of support](#).

If passed by the legislature, AB 361 would allow the following:

- While maintaining transparency and public access, local agencies would be able to meet remotely during a declared state of emergency or a declared local emergency
- While agencies would still be required to post agendas and meeting information, agencies would not be required to post meeting notices and/or agendas in physical locations when remotely meeting during an emergency
- While the public must continue to have access to the remote meeting and provided the ability to make public comment, agencies would not be required to make all remote meeting sites accessible to the public, nor include the remote location details in the meeting notice or agenda during a declared state of emergency or a declared local emergency
- Additionally, agency board members would not be required to be at remote sites within the territorial bounds of the agency during a declared state of emergency or a declared local emergency

[Click here for the AB 361 \(Rivas\) Fact Sheet](#) which contains more details and background on the bill. CSDA requests that your district send in a letter of support for this measure using the [sample letter](#) provided on this page. Alternatively, you

may send in an automated form letter of support using the link provided on this page. **If submitting a Custom District Letter:** Once you have completed your letter, be sure to send it to your local State Assembly Member and State Senator while including CSDA (advocacy@csda.net) among the recipients - that way, CSDA can ensure your letter makes its way to the appropriate stakeholders.

Timeline: You still have a few weeks to get in support letters for this bill.

Thank you,

Colleen

Colleen Haley

Bay Area Public Affairs Field Coordinator

California Special Districts Association

[1112 I Street, Suite 200](#)

[Sacramento, CA 95814](#)

530-902-3932 cell

www.csda.net

A Proud California Special Districts Alliance Partner

California Special Districts Association

Special District Risk Management Authority

CSDA Finance Corporation



CUPERTINO SANITARY DISTRICT

BUDGET WORKSHEET FOR FY 2021-22

Expenses

Account Name	Account Number	FY 2020-21 Budget	Expended Through January	FY 2020-21 Projected Expenditure	Projected % of Budget	FY 2021-22 Preliminary Budget	REMARKS
OPERATING EXPENSES							
Loan Payments	41000	\$1,200,542	\$600,640	\$1,200,542	100.0%	\$1,200,542	Two annual loan payments
Directors Fees	41030	\$35,000	\$21,442	\$36,758	105.0%	\$37,000	Increase by 5%
Gasoline, Oil & Fuel	41060	\$3,000	\$1,040	\$1,783	59.4%	\$3,000	Keep same as last year
Insurance	41070	\$135,000	\$124,482	\$124,482	92.2%	\$135,000	Keep same as last year
Memberships	41080	\$57,000	\$26,798	\$30,298	53.2%	\$57,000	Keep same as last year
Office Rent	41090	\$6,000	\$2,800	\$4,800	80.0%	\$6,000	Keep same as last year
Operating Expenses	41100	\$3,000	\$50	\$86	2.9%	\$3,000	Keep same as last year
Operating Expenses - Credit Card Transaction Fees		\$3,700	\$3,034	\$5,200	140.6%	\$6,000	Increase budget based on observed expenses
Contractual Services:							
Outfall Maintenance	41113	\$71,000	\$46,536	\$70,536	99.3%	\$71,000	Annually \$46.5K to SJ and \$24K to Santa Clara; keep same as last year
T.P. Oper. & Maint.	41114	\$8,630,553	\$4,819,605	\$6,426,140	74.5%	\$6,752,081	Reflects removal of Legacy Lagoons rehabilitation from O&M costs
Professional Services:							
Management Services	41121	\$515,000	\$418,582	\$638,582	124.0%	\$650,000	Increase budget based on observed expenses
Engineering Services	41122	\$1,200,000	\$817,462	\$1,350,462	112.5%	\$1,400,000	Increase budget based on observed expenses
Plan Ckg. & Insp.	41123	\$200,000	\$107,439	\$184,181	92.1%	\$200,000	Increase budget based on observed expenses and Vallco
Legal - Consultant Services		\$25,000	\$7,200	\$22,200	88.8%	\$25,000	Keep same as last year
Legal - District Counsel	41124	\$60,000	\$35,223	\$60,382	100.6%	\$60,000	Keep same as last year
Legal - Common Interest Group (CuSD Advance Pay)	41124	\$980,000	\$761,043	\$981,043	100.1%	\$980,000	CUSD is lead agency for the Common Interest Group. Advance pay, but will be 100% reimbursed from other tributary agencies.
Legal - Common Interest Group (CuSD Share)	41124	\$222,000	\$214,653	\$275,653	124.2%	\$222,000	CUSD's Allocation
Audit	41125	\$11,500	\$0	\$11,500	100.0%	\$11,500	Keep same as last year
Printing & Publications	41130	\$28,000	\$8,190	\$16,381	58.5%	\$28,000	Keep same as last year
Repairs	41150	\$800,000	\$114,963	\$269,963	33.7%	\$500,000	Decrease budget based on observed expenses
Maintenance	41151	\$3,200,000	\$1,986,907	\$3,406,126	106.4%	\$3,500,000	Increase budget based on observed expenses
Travel & Meetings Staff	41170	\$15,000	\$580	\$580	3.9%	\$15,000	Keep same as last year
Travel & Meetings BOD	41170	\$18,000	\$1,450	\$1,450	8.1%	\$18,000	Keep same as last year
Utilities	41190	\$65,000	\$40,020	\$68,605	105.5%	\$70,000	Increase to reflect 2020-21
Refunds & Reimbursements:							
Miscellaneous	41201	\$50,000	\$27,388	\$46,951	93.9%	\$50,000	Keep same as last year
Connection Fees	41202	\$2,000	\$0	\$1,000	50.0%	\$2,000	Keep same as last year
Checking & Inspection	41203	\$3,000	\$0	\$1,000	33.3%	\$3,000	Keep same as last year
Emergency Funds	48000	\$250,000	\$63,174	\$108,299	43.3%	\$250,000	Keep same as last year
Consolidated Election	48001	\$150,000	\$105,859	\$105,859	70.6%	\$20,000	No election this year
TOTAL OPERATING EXPENSES		\$17,939,295	\$10,356,559	\$15,450,842	86.1%	\$16,275,123	
CAPITAL EXPENSES							
District Sewer Capital & Support	46041	\$560,000	\$176,748	\$302,997	54.1%	\$1,000,000	Reduce from last year's original budget
Treatment Plant Capital	46042	\$6,392,192	\$1,941,268	\$2,365,111	37.0%	\$7,806,234	Estimated prior to TPAC Budget based on dewatering deferral
Outfall Capital	46042	\$3,012,000	\$3,004,854	\$3,004,854	99.8%	\$375,045	Estimated from Projections given by SJ/SC staff
District Equipment	46043	\$150,000	\$4,033	\$8,033	5.4%	\$150,000	Keep same as year year
Replacement Fund	46044	\$300,000	\$0	\$300,000	100.0%	\$300,000	Annual reserve setaside
TOTAL CAPITAL EXPENSES		\$10,414,192	\$5,126,903	\$5,980,995	57.4%	\$9,631,279	
TOTAL EXPENSES		\$28,353,487	\$15,483,462	\$21,431,836	75.6%	\$25,906,402	

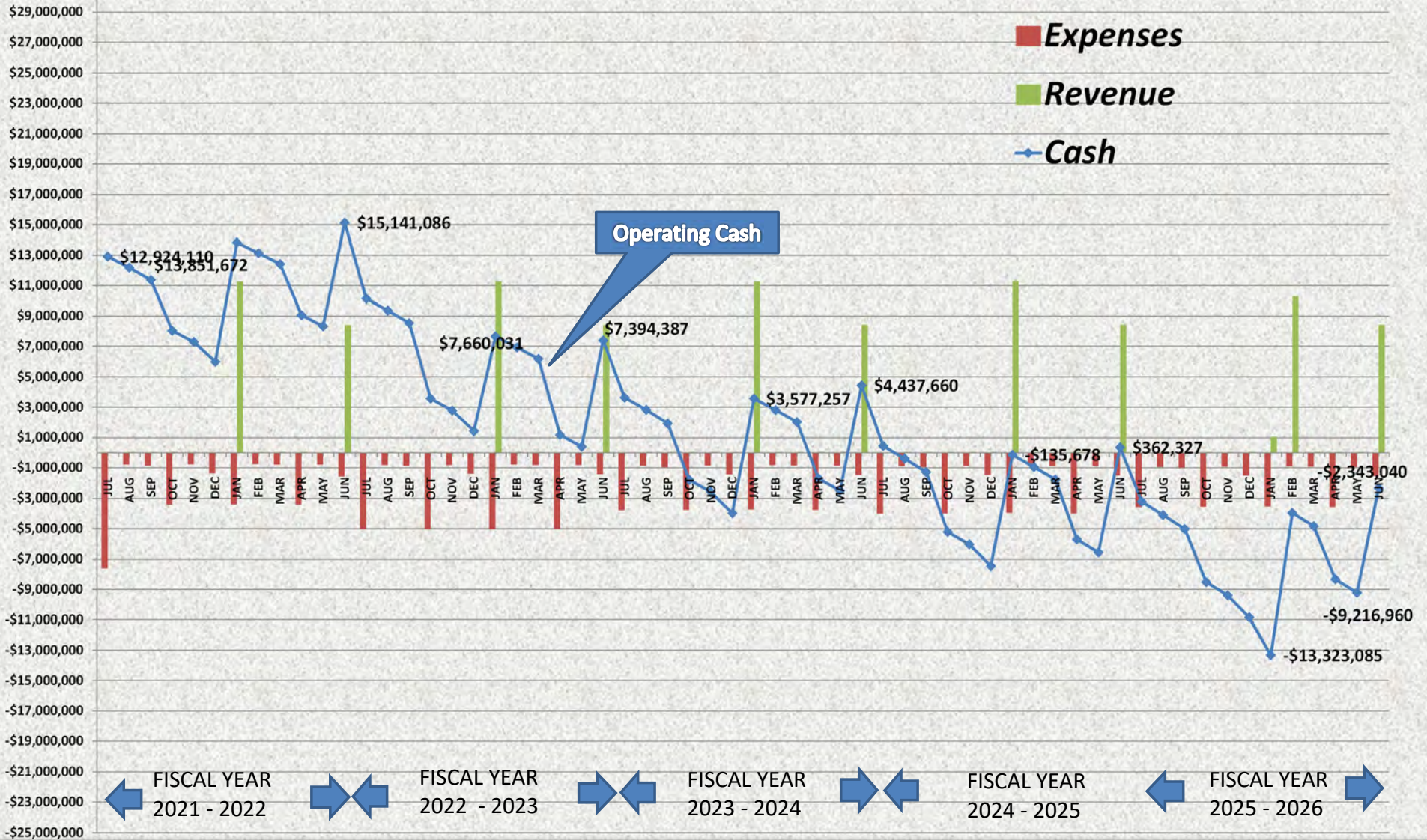
CUPERTINO SANITARY DISTRICT

BUDGET WORKSHEET FOR FY 2021-22

Revenue

Account Name	Account Number	Budget FY 2020-21	Revenue Through January 2021	FY 2020-21 Projected Revenue	Projected % of Budget	Budget FY 2021-22 Preliminary	REMARKS
OPERATING							
Service Charges	31010						
Handbilling		\$553,700	\$3,201	\$400,201	72.3%	\$400,000	Reduce based on observed trends
Tax Roll		\$19,220,000	\$10,409,026	\$19,209,026	99.9%	\$19,220,000	No Increase
Permit Fees	31020	\$130,000	\$35,964	\$61,652	47.4%	\$75,000	Reduce based on observed trends
Connection Fees	31031	\$600,000	\$150,037	\$257,206	42.9%	\$300,000	Reduce based on observed trends
Capacity Fees	31032	\$600,000	\$240,137	\$411,664	68.6%	\$450,000	Reduce based on observed trends
Pump Zone Fees	31033	\$80,000	\$0	\$0	0.0%	\$20,000	Reduce based on observed trends
Checking & Inspection Fees	31040	\$160,000	\$49,700	\$124,700	77.9%	\$160,000	Keep same as last year
Annexation	32010	\$2,500	\$0	\$0	0.0%	\$2,500	Keep same as last year
Interest	32050	\$220,000	\$116,379	\$199,507	90.7%	\$200,000	Reduce based on lower cash balance
City of San Jose Credit(s)	32091	\$500,000	\$0	\$2,778,585	555.7%	\$500,000	Keep same as last year
Legal - Common Interest Group (Tributaries)	32092.1	\$700,000	\$181,484	\$681,484	97.4%	\$700,000	Payments from Other Tributary Agencies
Legal - Common Interest Group (2% Admin Fees)	32902.2	\$14,000	\$3,704	\$13,704	97.9%	\$14,000	Common Interest Group Lead Agency Management
Refunds/Reimbursements - Misc.	32091	\$10,000	\$16,421	\$28,150	281.5%	\$10,000	Keep same as last year
Lateral Construction	32093	\$15,000	\$0	\$0	0.0%	\$15,000	Keep same as last year
TOTAL OPERATING REVENUE		\$22,805,200	\$11,206,053	\$24,165,879	106.0%	\$22,066,500	
Revenue Transfer							
TOTAL REVENUE							
Total Expenses		\$28,353,487		\$21,431,836		\$25,906,402	
Credit to Account				\$2,734,043			
Debit from Account		\$5,548,287				\$3,839,902	
Net Operating Revenue		\$22,805,200		\$24,165,879		\$25,906,402	

Projected Cash Position



I_N_S_T_A_L_L_E_R_'_S
A_G_R_E_E_M_E_N_T

(AMENDMENT NO. 1)

VALLCO UTILITY MAKE READY PHASE

THIS AGREEMENT AMENDMENT NO. 1, made this _____ day of _____, 2021, between the CUPERTINO SANITARY DISTRICT of Santa Clara County, California, a public corporation duly organized and existing under Part I Division 6 of the Health and Safety Code of the State of California, hereinafter called "District," and Sand Hill Property Company, a California Limited Liability Company, hereinafter called "Installer";

W_I_T_N_E_S_S_E_T_H

WHEREAS, the parties previously entered into that certain Installer's Agreement executed on October 28, 2015 for the development of "The Hills at Vallco" to work collectively in the planning phase to determine the needs and the requirements for sanitary sewer services.

WHEREAS, the District is willing to propose this Amendment to the 2015 Installer's Agreement to the Installer for the Make Ready Sewer portion of the development along North Wolfe Road and Perimeter Road to allow the Installer to proceed with their construction. This Agreement is for the construction of the new sanitary sewer mainline and manholes necessary for future construction at the site and for the Infiltration Inflow (I/I) program that the District will conduct to reduce I/I in the system to accommodate the flows projected to be produced by the Vallco development.

WHEREAS, the projected additional peak dry weather flow from the subject development is expected to be 0.87 MGD and is projected to cause the District to exceed its 13.8 MGD peak flow permitted in its agreement with the City of Santa Clara.

WHEREAS, the developer can mitigate the impact of its development by funding a program to reduce the District's Inflow and Infiltration (I/I) and/or provide storage or conveyance improvements.

WHEREAS, the Sewer Conveyance Improvements, Sewer Development Fees, Treatment Plant Capacity Fees, and Lands & Rights of Way will be part of a separate future Agreement (s). Fees and review for the specific residential and suite tenant improvements will be part of a future Installer's Agreement.

WHEREAS, District is the owner and operator of a sanitary sewer system and facilities along North Wolfe Road and Perimeter Road which provides sewer service to the real property. The District the sewer main on Wolfe Road and Perimeter Road adjacent to the Vallco development will require the Installer to construct the new sewers shown in the "New Construction" section on page 3 of this agreement.

WHEREAS, the Installer has submitted two separate advance projects as follows:

- 1) Vallco Town Center, "Make Ready Utility Package" CuSD Permit No. 18-227,
- 2) Vallco Town Center "Onsite SS Reroute Make Ready Utility Package" which has no CuSD Permit number.

These projects will impact the Cupertino Sanitary District facilities as follows:

Demolition

Pipe Segments					
USMH	DSMH	Length (feet)	Diameter (in)	Material	Comment
L3-6F	T-476	17	8	VCP	Partial abandonment of entire span of segment
T-476	T-475	271	8	VCP	Complete abandonment and relocation
T-475	Unnamed MH	162	12	PVC SDR26	Complete abandonment and relocation
Unnamed MH	Unnamed MH #2	35	12	PVC SDR26	Complete abandonment and relocation
Unnamed MH #2	T-474	277	12	PVC SDR26	Complete abandonment and relocation
T-472	T-473	284	15	VCP	Complete Abandonment
T-473	T-474	150	15	VCP	A portion of this will be replaced with proposed 15" pipe

Manholes

- Manholes to be Abandoned
 - T-473
 - T-475
 - T-476
 - T-490
 - “Un-named MH” on Perimeter Road
 - “Un-named MH #2” on Perimeter Road

NOW, THEREFORE, IT IS AGREED, as follows:

1. SEWER CONSTRUCTION: Installer shall install, or cause to be installed, the said sanitary improvements in strict accordance with the plans, profiles, and specifications approved by District. Installer further hereby agrees to pay any and all costs in connection with the construction of said sanitary sewer facilities, including, but not limited to, materials, work, inspection, supervision, legal, engineering, recording, and all incidental expenses before final acceptance thereof by District.

This project is anticipated to be implemented in phases as follows:

Vallco Town Center, “Make Ready Utility Package” CuSD Permit No. 18-227, and “Onsite SS Reroute Make Ready Utility Package”.

- a) Installer shall construct on-site sewer system, which once accepted, will be owned and maintained by the District. These facilities include:

New Construction

Pipe Segments							
USMH (CuSD Name)	USMH (Vallco Name)	DSMH (CuSD Name)	DSMH (Vallco Name)	Length (feet)	Diameter (in)	Material	Plan Set
-	SSMH #7	-	SSMH #6	385	15	PVC SDR26	On Site Re-route
-	SSMH #6	-	SSMH #5	328	15	PVC SDR26	On Site Re-route
T-472	SSMH #1	-	SSMH #2	216	15	PVC SDR26	Make Ready
-	SSMH #2	-	SSMH #3	64	15	PVC SDR26	Make Ready
-	SSMH #3	-	SSMH #4	134	15	PVC SDR26	Make Ready
-	SSMH #4	-	SSMH #5	40	15	PVC SDR26	Make Ready
-	SSMH #5	T-474	EX. SSMH #5	58	15	PVC SDR26	Make Ready

Manholes

- o Existing Manholes to be Replaced
 - T-472 will be replaced with “SSMH #1”
 - T-474 will be replaced with “EX. SSMH #5”
 - o New Manhole Construction:
 - SSMH #2
 - SSMH #3
 - SSMH #4
 - SSMH #6
 - SSMH#7
- b) 60 days prior to construction, Installer shall submit the following documents:
1. Plans for final signoff and approval by the District
 2. Sewer bypass plan for the construction of new sanitary sewer facilities
 3. Legal description and plats for the new sanitary sewer easements
 4. Quitclaim documentation for existing sanitary sewer easements
 5. Post the Performance and Material bonds in the amount of \$350,000
 6. Pay fees per Section 4 and deposit fees per Section 5.
- c) Installer shall hydro-flush and clean the sewer mains and laterals in presence of District Inspector.
- d) Installer shall perform closed circuit television video (CCTV) inspection of newly installed sanitary sewer mainlines and manholes.
- e) Installer shall provide CCTV results, for both mainlines and manholes, to District for review.

- f) Installer shall perform hydrostatic testing and mandrill testing in the presence of a District Inspector. Final results shall be provided to District Manager for review and final approval.
- g) Once District has approved CCTV and the installation, District will initiate acceptance of the onsite sanitary sewers and begin one-year warranty period.
- h) As each building or tenant occupancy is issued a building permit from the City of Cupertino, District will review building permit application and provide the City with District's comments/recommendation and/or approval. District will continue to track the number of lateral connections and change in use fee. If the change in use fee exceeds previously approved usage, an additional fee will be made payable to the District.
- i) When the building or tenant occupancy is 50% completed, Installer shall hydro-flush and clean the entire main and lateral constructed as part of this project in presence of District Inspector.
- j) When the building or tenant occupancy is 100% completed, Installer shall hydro-flush and clean the entire main and lateral constructed as part of this project in presence of District Inspector and provide CCTV of all mains and laterals constructed.
- k) Installer shall provide CCTV for District review and approval.

3. INSPECTION: Installer hereby agrees to provide and assure said District and its employees and any person or persons designated by it the right to inspect said sanitary sewer facilities, as outlined in section above, and the plans, materials and work thereof at any reasonable time or times before, during or after such are installed.

4. DEPOSITS BY INSTALLER: From time to time the Installer will be asked to pay the District a deposit to pay for District services to support the project. When the deposit amount is expended to 70%, District will determine based on project status and estimated level of work required to complete each new phase of construction. Installer shall agree to deposit additional fees as requested by the District. Any balance of said sum remaining on the District administration fees deposit after payment of all such charges and costs shall be refunded to Installer. No interest shall be paid by District on the money so refunded. If the deposit for District administrative fees is insufficient to pay all such charges and costs, Installer hereby agrees to pay all such charges and costs in excess of the sum so deposited prior to the acceptance of the said sanitary sewer improvements.

Installer has deposited to District a sum of \$20,000 in the previously entered Installer's Agreement executed on October 28, 2015 for conceptual and preliminary phase for the Vallco Redevelopment. This fee has been expended. Installer has deposited an additional \$70,000 for conceptual and preliminary phase for the Vallco Redevelopment on January 25, 2021.

As of January 29, 2021, the District has expended \$ 86,400 out of the total deposit of \$90,000. With this amendment, the Installer shall deposit an additional fee in the amount of \$75,000 to cover the cost of District administration fees which includes the cost for examination of construction plans, bypass pumping plans, checking of specifications, inspection, construction oversight, management, and other similar engineering charges, together with all costs of administration, supervision, legal, recording and other incidental expenses in connection therewith as defined in District Operations Code. This work will be performed in accordance with District labor rates which are shown on Attachment 1. These rates are escalated each year to account for cost of living and inflation costs in the San Francisco Bay Area market.

5. PAYMENT OF FEES TO BE PAID BY INSTALLER: Installer further hereby agrees to pay:

- a) Deposit for CuSD review and inspection - \$75,000
- b) Inflow & Infiltration Reduction Plan (See Exhibit A) Fees (Multiple Phases) -

The Vallco project is expected to generate an average daily flow of 0.528 million gallons per day (MGD) and a peak dry weather flow of 0.872 MGD. The goal of the I/I Reduction Program will be to reduce I/I in the system by a total of 0.872 MGD. Once the amount of I/I Reduction meets or exceeds the Peak Dry weather estimate of 0.872 MGD for the Vallco Development, as determined by hydraulic modeling results, the I/I program will terminate and any remaining funds will be returned to the Installer. The peak flow reduction program will proceed along one of two paths as shown below:

Pathway	A - I/I Reduction Only	B -I/I Reduction and Storage and Conveyance
Phase 1	\$2,000,000	\$2,000,000
Phase 2	\$2,000,000	\$2,000,000
Phase 3	\$1,000,000	\$2,000,000
Total	\$5,000,000	\$6,000,000

Phase 1 – I/I Reduction - \$2,000,000

Funding for Phase 1 will be equal to \$2,000,000 and will be used for I/I Reduction work to be completed in the first two years of the program. A report will be provided at the end of the Phase 1 that identifies the amount of remaining funds and the amount of I/I Reduction achieved.

Phase 2 – I/I Reduction - \$2,000,000

Funding for Phase 2 will be equal to \$2,000,000 and will be used for I/I reduction work to be completed in the third and fourth years of the program. A report will be provided at the end of the Phase 2 that identifies the amount of remaining funds and the amount of I/I Reduction achieved. An additional report will be prepared at the end of Phase 2 that will provide an assessment of whether continued investment in I/I Reduction will achieve the goal of reducing I/I by 0.872 MGD. The Phase 2 report will identify the scope of work and cost estimate for storage and conveyance improvements.

Phase 3 I/I Reduction or Storage and Conveyance Improvements

If it is determined that an additional investment in I/I Reduction will achieve the goal of reducing I/I in the system by a total of 0.872 MGD then work will proceed on the Phase 3 I/I Reduction work. If it is determined at the end of Phase 2 that further investment in I/I Reduction work will not achieve the desired goal of reducing I/I in the system by a total of 0.872 MGD then Phase 3 of the I/I Reduction Program will not be completed and the storage and conveyance improvements will be used to mitigate the remaining impacts of the Vallco flows on the system.

Phase 3 – I/I Reduction - \$1,000,000

Funding for Phase 3 in the amount of \$ 1,000,000 will be provided for the Phase 3 I/I reduction work. The Phase 3 I/I Reduction work will be completed in the fifth and sixth years of the program. A report will be provided at the end of the Phase 3 that identifies the amount of remaining funds and the amount of I/I Reduction achieved.

OR

Phase 3 - Storage and Conveyance Improvements - \$2,000,000

The conveyance and storage improvements will be used to mitigate the remaining impacts of the Vallco flows on the system. The costs for these conveyance and storage options will be estimated in the Phase 2 report and may require additional funding from Vallco which will increase the fee limit from \$ 5,000,000 to \$6,000,000.

- c) Sewer Development & Treatment Plant Capacity fees will be required as part of a future Installer's Agreement.

With the execution of this amendment, the Installers shall pay a total of \$2,075,000.

6. SECURITY FOR PERFORMANCE OF WORK:

(a) Performance and Payment Bonds. As security for performance of all work necessary for construction of the sanitary sewer facilities and for payment of all labor and material costs pertaining thereto, Installer or its contractor shall furnish to District two separate performance and payment bonds, on forms provided by District for each phases of project in which District will ultimately take ownership of the constructed sewer facilities. The amount of bonds will be determined from time to time as required.

The performance and payment bonds shall be issued by a surety company admitted to transact business in the State of California, as approved by the District Manager-Engineer, and shall remain in full force and effect at all times during the performance of the work.

The performance and payment bonds shall be issued by a surety company permitted to transact business in the State of California, as approved by the District Manager-Engineer, and shall remain in full force for a period of 5 years from execution of this Agreement.

The estimated construction cost for the planned pipeline and manhole improvements shown on Page 3 of this agreement is \$350,000. Therefore, the Installer is required to submit to the District performance and payment bonds in the amount of \$350,000.

(b) Certificate of Deposit As Security. As an alternative to the delivery of performance any payment bonds pursuant to Paragraph (a) above, Installer may elect to deliver to District a Certificate of Deposit payable to District and issued by a bank acceptable to District, in an amount equal to the estimated cost to construct all improvements contemplated by this Agreement, as determined by the District Manager-Engineer. In the event of any default hereunder, District shall be entitled to withdraw any portion or all of the amount deposited irrespective of any interest or penalty that may be charged by the bank for early withdrawal, and District may utilize the funds to complete any unfinished work, or to correct any defective work, or to compensate District for any damage suffered or costs incurred as a result of Installer's default.

(c) Reduction of Security Upon Completion. Upon completion of all construction work and final acceptance of the Sanitary Sewer Facilities by District, Installer may reduce the performance bond or the certificate of deposit, as the case may be, to an amount equal to ten percent (10%) of the original security amount, to secure Installer's obligation hereunder to correct work which is found to be defective or not constructed in accordance with the Approved Plans and Specifications, for a period of one (1) year from the date of final acceptance of the work by District. At the termination of the one (1) year warranty period on any completed improvements, District shall authorize the surety to cancel the bonds, or District shall refund to Installer any balance of the Certificate of

Deposit, except for any amount determined by the District Manager-Engineer to be needed for the repair or replacement of any defects subject to warranty under this Agreement, as identified in writing by the District Manager-Engineer, Installer shall be entitled to any unused interest that may have accrued on the certificate of deposit returned by District to Installer.

7. COMPLIANCE WITH ORDINANCES, RULES AND REGULATIONS: Installer shall comply with all District ordinances, rules and regulations, as now or hereafter amended. Installer must also comply with all State, County, City, and other agency regulations, rules and ordinances affecting, in any manner, the construction of sanitary sewer facilities, and shall obtain any and all necessary permits and shall pay all fees and charges relating thereto or required therefore.

8. TRANSFER OF TITLE: Upon completion of the construction of said sanitary sewer facilities by Installer and final approval thereof by District, title to said sanitary sewer improvements shall be transferred and conveyed to District. Installer waives any and all rights or claim Installer may have to or for any other consideration from District for said transfer of title, except as is otherwise provided by this Agreement.

9. INDEMNIFICATION: Installer shall defend, indemnify and hold District, the District Manager-Engineer, Mark Thomas & Co. Inc., the County of Santa Clara and the City in which the referred to real property is situated, their officers, agents and employees, free and harmless from any liability or claim of liability for costs and expenses incurred, directly, or indirectly, by Installer in the construction of the sanitary sewer facilities, which are the subject of this Agreement. Installer further agrees to require Installer's contractor to maintain full insurance coverage of not less than standard limits, and to defend, indemnify and hold the District, the District Manager-Engineer, Mark Thomas & Co. Inc., and the City in which the referred to real property is situate, their officers, agents and employees, free and harmless from any damage or claim of damage for injury to person or property arising from the activities of Installer and its contractor in the performance of this Agreement.

10. COSTS OF SUIT; In the event legal action is necessary in order to enforce or interpret this Agreement, the prevailing party shall be entitled to recover all costs and expenses that may be incurred in connection therewith, including reasonable attorney's fees.

11. SCOPE OF AGREEMENT: This writing constitutes the entire Agreement between the parties, and no modification or waiver of all or any part thereof shall be valid unless in writing and signed by both parties hereto. Waiver by either party of any breach of this Agreement shall not be deemed waiver of any subsequent breach of the same or of any other provision of this Agreement. If any part of this Agreement is held to be indefinite or uncertain or unenforceable, such determination shall not invalidate any other part of this Agreement. This Agreement shall bind and inure to the benefit of the heirs, administrators, successors, and assigns of the parties hereto.

IN WITNESS WHEREOF, the undersigned have executed this Agreement the day and year first above written.

"DISTRICT"
CUPERTINO SANITARY DISTRICT
Santa Clara County, California

By: _____
President of the Sanitary Board of said District

ATTEST: _____
Secretary of said District

“INSTALLER”
SAND HILL PROPERTY COMPANY, LLC
A California Limited Liability Company

By: _____
Name: _____
Title: _____



**CUPERTINO SANITARY DISTRICT
HOMESTEAD ROAD PARSHALL FLUME
DISCHARGE FLOW MONITORING REPORT**



Prepared for
City of Santa Clara
1500 Warburton Ave
Santa Clara, CA 95050



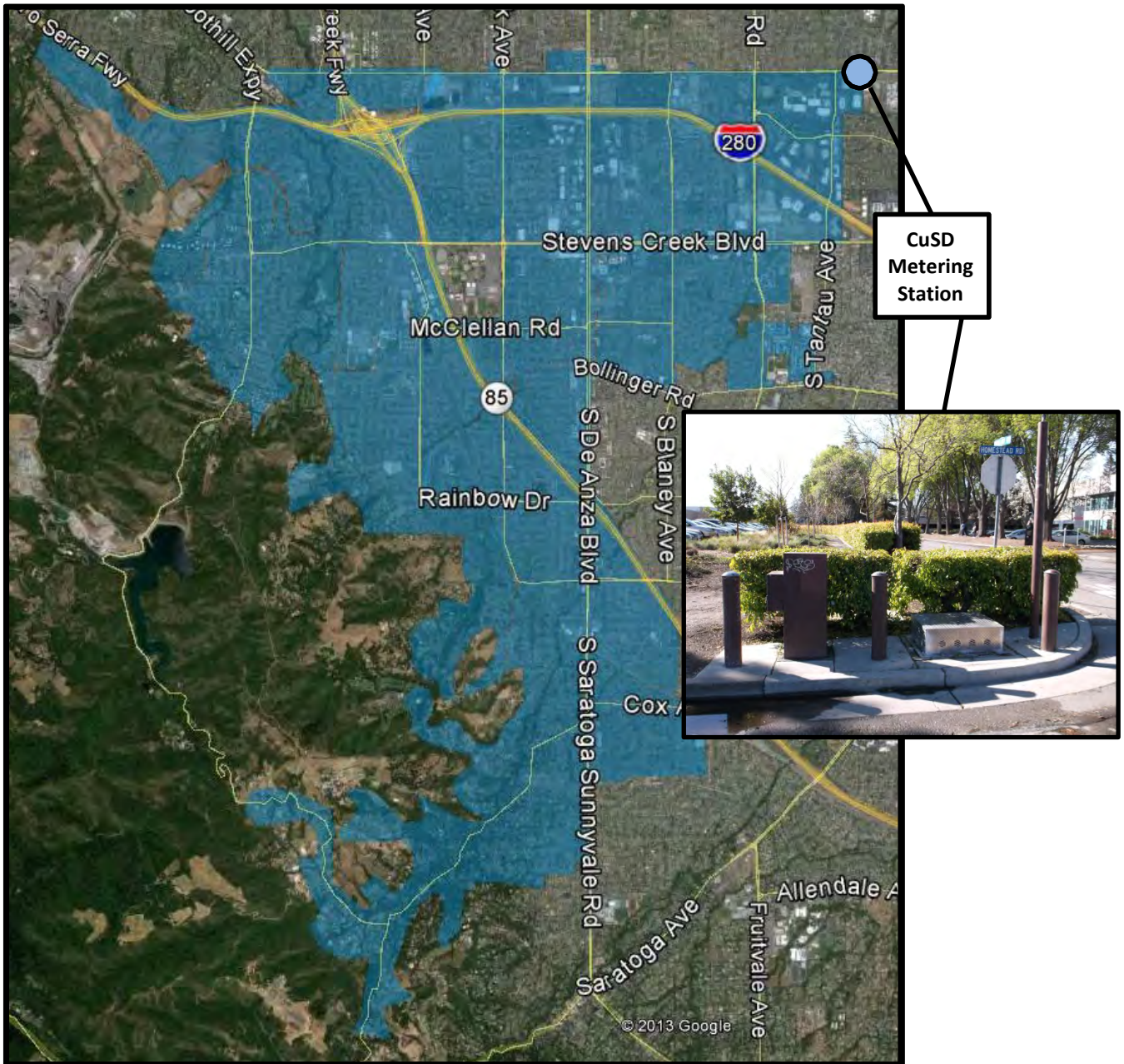
Prepared by
Cupertino Sanitary District
20863 Stevens Creek Boulevard, Suite 100
Cupertino, CA 95014

December 2020

INTRODUCTION

Cupertino Sanitary District (CuSD) provides monthly flow monitoring summary reports for the sanitary sewer flows that flow through the CuSD Flow Metering Station. The CuSD Flow Metering Station utilizes an 18-inch Parshall flume and is located in the intersection of Homestead Road and Swallow Drive. It is accessed from the sidewalk on the southeast corner of the intersection. The flows through the flume account for a majority of the sanitary sewer flows captured within CuSD before being discharged into the City of San Jose sanitary sewer collection system. A vicinity map of the CuSD boundary and the location of the metering station are illustrated on Figure 1.

Figure 1. CuSD Collection System Boundary and Metering Station



METERING STATION INFORMATION

Parshall Flume

A Parshall flume is used as the primary flow measurement device. A flume is a specially shaped open channel flow section that restricts the channel area and/or changes the channel slope, resulting in an increased velocity and a change in the level of the liquid flowing through the flume. A typical flume consists of a converging section to restrict the flow, a throat section, and a diverging section to assure that the downstream level is less than the level in the converging sections. The flume forces the hydraulics of the liquid to behave in a predictable fashion, with a defined relationship between liquid level and flow. The flow rate through the flume is determined by measuring the head on the flume at a single point, usually some distance downstream from the inlet. The head-flow rate relationship may be defined by either test data (calibration curves) or by an empirically derived formula.

There are several types and configurations of flumes; the Parshall flume was developed in the 1920s and is now the most frequent primary flow measuring device used in municipal sewers and sewage treatment facilities. The Parshall flume has a drop in the floor which produces supercritical flow through the throat of the flume. A typical configuration of a Parshall flume is illustrated on Figure 2.

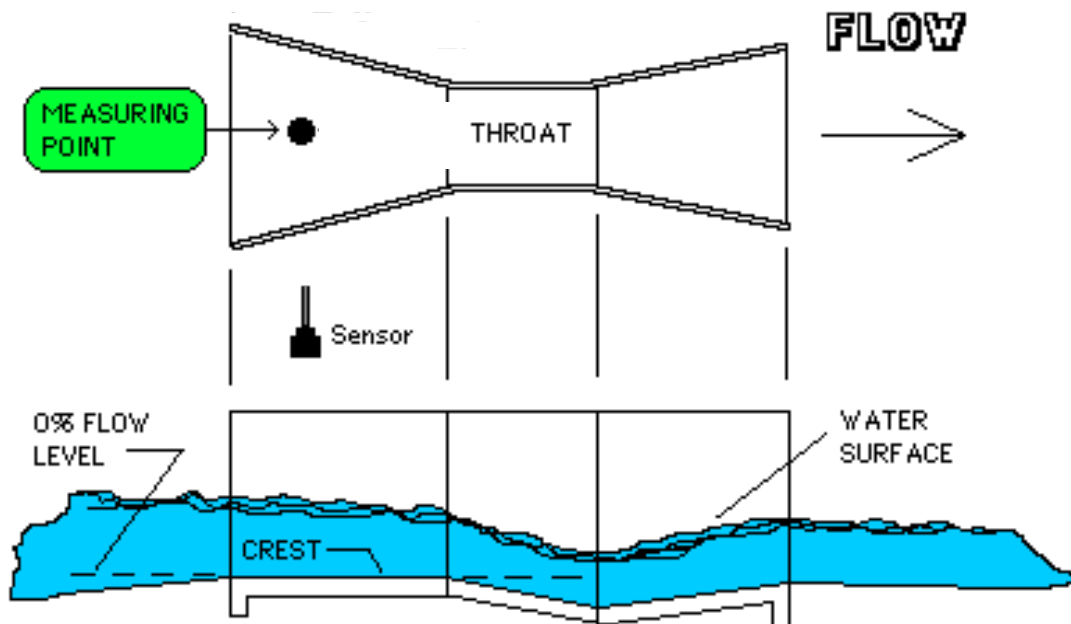


Figure 2. Typical Configuration of Parshall Flume

¹ Primary devices apply methods to alter flow in a predictable manner so that a known relationship between flow and measured depth can be used. The most typical of these are weirs and flumes.

CuSD Metering Station

The CuSD metering station has an Isco 2110 flow meter installed on top of the flume to measure the liquid head. The standard discharge equations for an 18-inch Parshall flume are used to calculate flow rate through the flume. All data is stored internally within the flow meter data logger.

Figure 3 shows the isometric view of the CuSD flume taken from the original 1966 design drawings. Figure 4 and Figure 5 show photos of the CuSD flume as it currently appears.

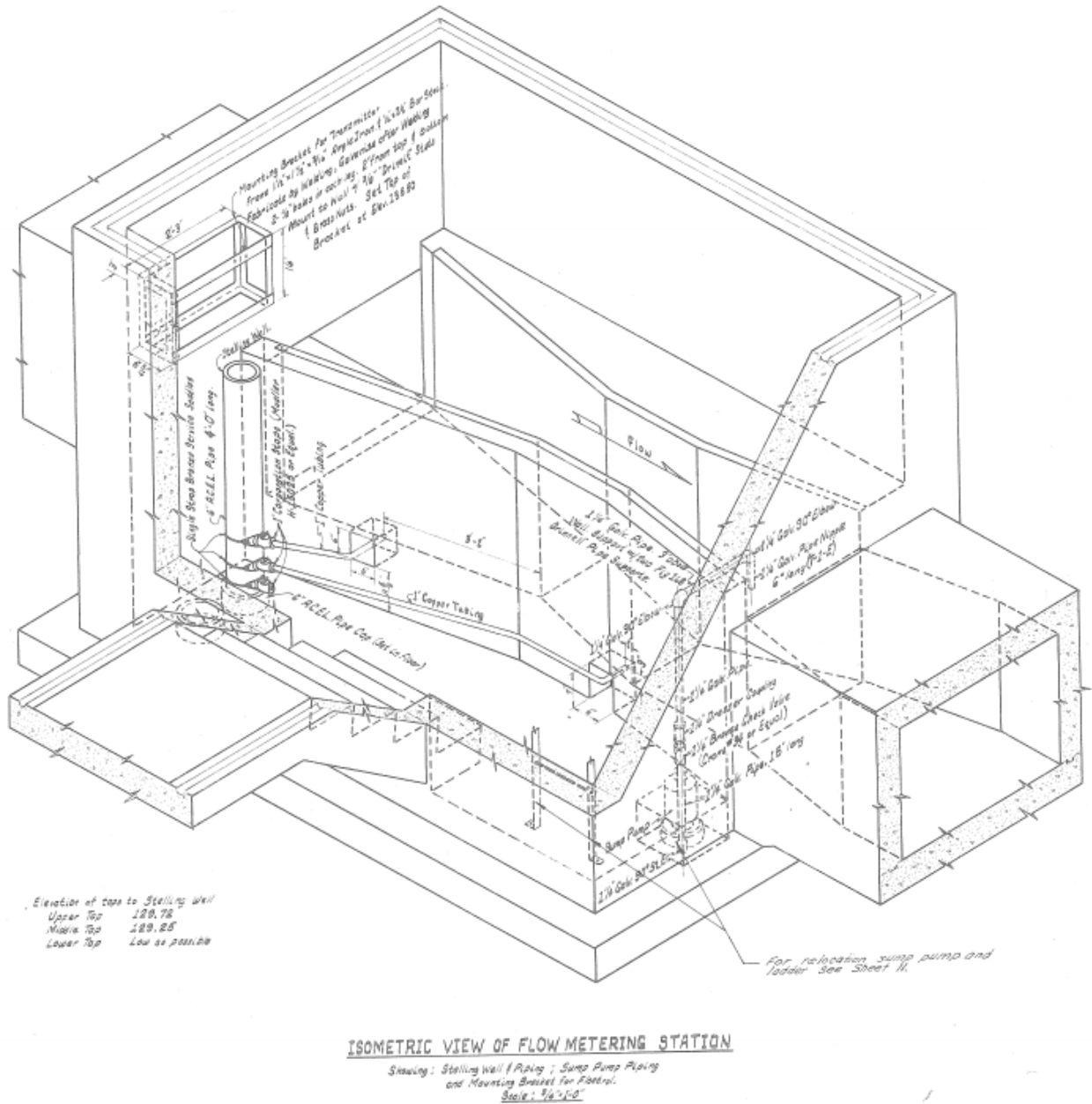


Figure 3. CuSD Metering Station, Isometric

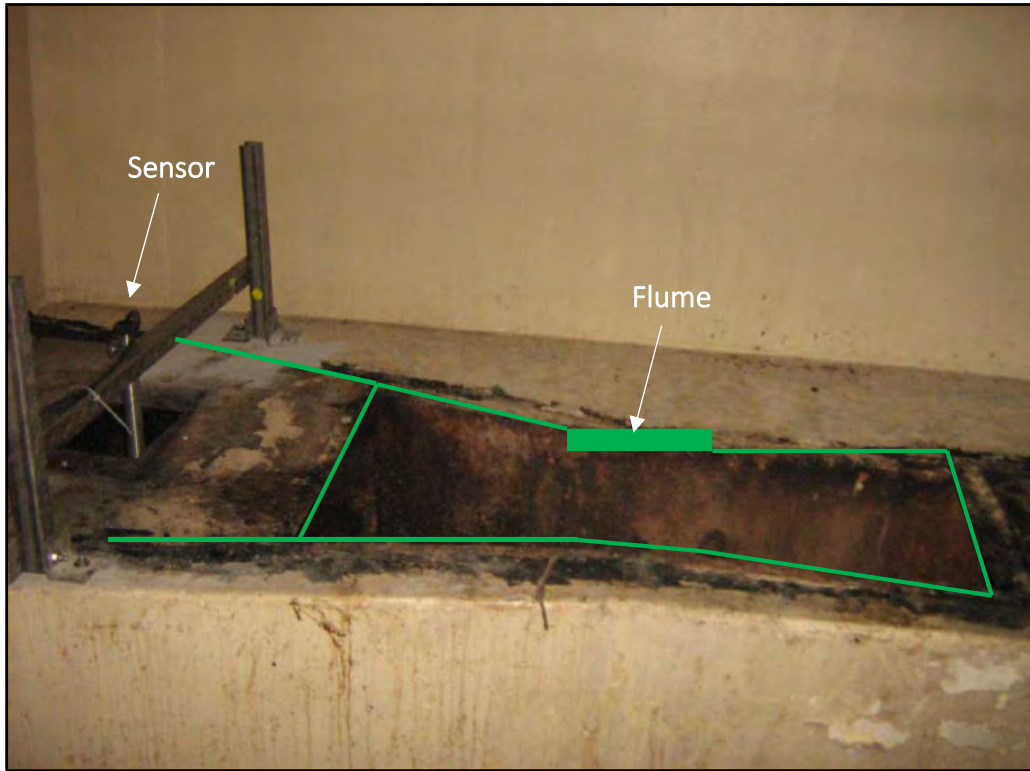


Figure 4. CuSD Parshall Flume



Figure 5. Parshall Flume Sensor Installation

MONTHLY AVERAGE FLOWS

CuSD has been reporting flow data on a monthly basis since May 2013. Table 1 summarizes the acquired monthly flow data. Flow data on a weekly, daily, and hourly basis are provided in the appendices in the flow summary tables and hydrographs attached.

Table 1. Monthly Flow Monitoring Totals

Month / Year	Total Rainfall (in)	Average Flow Rate (MGD)	Peak Flow Day (MGD)	Peak Hour Flow Rate (MGD)
May, 2013	0.00	3.760	3.875, 05/13/2013	6.621, 05/15/2013 09:00
June, 2013	0.02	3.765	3.901, 06/19/2013	6.318, 06/06/2013 09:00
July, 2013	0.00	3.626	3.721, 07/01/2013	5.970, 07/27/2013 12:00
August, 2013	0.03	3.754	3.964, 08/18/2013	6.504, 08/18/2013 12:00
September, 2013	0.23	3.765	3.900, 09/22/2013	6.372, 09/28/2013 12:00
October, 2013	0.00	3.749	3.877, 10/06/2013	6.688, 10/06/2013 12:00
November, 2013	0.60	3.778	3.942, 11/03/2013	6.700, 11/06/2013 09:00
December, 2013	0.39	3.727	3.954, 12/08/2013	6.419, 12/08/2013 12:00
January, 2014	0.05	3.735	3.961, 01/12/2014	6.499, 01/15/2014 10:00
February, 2014	3.42	3.668	4.421, 02/28/2014	6.921, 02/28/2014 09:00
March, 2014	1.44	3.722	4.186, 03/01/2014	6.906, 03/01/2014 11:00
April, 2014	0.67	3.763	3.885, 04/21/2014	6.617, 04/23/2014 09:00
May, 2014	0.00	3.709	3.812, 05/26/2014	6.379, 05/05/2014 12:00
June, 2014	0.00	3.665	3.811, 06/09/2014	6.208, 06/04/2014 09:00
July, 2014	0.00	3.543	3.652, 07/15/2014	5.741, 07/20/2014 12:00
August, 2014	0.01	3.617	3.806, 08/17/2014	6.191, 08/20/2014 09:00
September, 2014	0.43	3.640	3.748, 09/21/2014	6.115, 09/24/2014 09:00
October, 2014	0.54	3.612	3.748, 10/13/2014	6.133, 10/05/2014 12:00
November, 2014	1.80	3.595	3.911, 11/30/2014	6.795, 11/30/2014 12:00
December, 2014	9.09	3.956	5.863, 12/11/2014	9.126, 12/11/2014 22:00
January, 2015	0.04	3.636	3.810, 01/11/2015	6.106, 01/07/2015 09:00
February, 2015	3.29	3.700	4.494, 02/08/2015	7.901, 02/08/2015 12:00
March, 2015	0.14	3.657	3.787, 03/01/2015	6.225, 03/04/2015 09:00
April, 2015	1.16	3.485	3.756, 04/07/2015	5.914, 04/10/2015 09:00
May, 2015	0.05	3.454	3.559, 05/10/2015	5.754, 05/06/2015 09:00
June, 2015	0.09	3.351	3.507, 06/01/2015	5.668, 06/03/2015 09:00
July, 2015	0.00	3.269	3.370, 07/23/2015	5.253, 07/26/2015 12:00
August, 2015	0.00	3.352	3.494, 08/16/2015	5.692, 08/23/2015 12:00
September, 2015	0.00	3.315	3.438, 09/13/2015	5.577, 09/16/2015 09:00
October, 2015	0.07	3.314	3.416, 10/12/2015	5.568, 10/14/2015 09:00
November, 2015	2.60	3.277	3.577, 11/02/2015	6.485, 11/02/2015 09:00
December, 2015	2.15	3.195	3.458, 12/13/2015	5.762, 12/13/2015 11:00

Cupertino Sanitary District
Sanitary Sewer Discharge Flow Monitoring

Month / Year	Total Rainfall (in)	Average Flow Rate (MGD)	Peak Flow Day (MGD)	Peak Hour Flow Rate (MGD)
January, 2016	4.89	3.450	3.980, 01/19/2016	6.461, 01/19/2016 10:00
February, 2016	0.71	3.526	3.693, 02/18/2016	6.088, 02/25/2016 09:00
March, 2016	5.33	3.901	4.901, 03/13/2016	7.919, 03/13/2016 12:00
April, 2016	1.09	3.500	3.656, 04/03/2016	5.933, 04/08/2016 09:00
May, 2016	0.14	3.461	3.573, 05/08/2016	5.773, 05/04/2016 09:00
June, 2016	0.00	3.343	3.476, 06/01/2016	5.687, 06/01/2016 09:00
July, 2016	0.00	3.280	3.386, 07/31/2016	5.248, 07/24/2016 12:00
August, 2016	0.00	3.421	3.647, 08/14/2016	5.652, 08/28/2016 12:00
September, 2016	0.00	3.684	3.874, 09/28/2016	7.167, 09/28/2016 10:00
October, 2016	2.50	3.703	3.967, 10/16/2016	6.665, 10/30/2016 12:00
November, 2016	2.89	3.652	3.969, 11/27/2016	6.208, 11/21/2016 12:00
December, 2016	2.10	3.615	4.035, 12/15/2016	6.094, 12/17/2017 14:00
January, 2017	8.75	4.291	5.648, 01/08/2017	9.181, 01/08/2017 15:00
February, 2017	7.89 ¹	4.344 ²	5.539, 02/07/2017	9.400, 02/20/2017 20:00
March, 2017	2.62 ¹	3.990	4.335, 03/22/2017	6.619, 03/25/2017 11:00
April, 2017	2.70	3.786	4.099, 04/08/2017	6.286, 04/08/2017 11:00
May, 2017	0.65	3.798	3.910, 05/30/2017	6.495, 05/22/2017 9:00
June, 2017	0.92	3.740	3.863, 06/05/2017	6.132, 06/05/2017 10:00
July, 2017	1.03	3.607	3.724, 07/17/2017	5.649, 07/18/2017 10:00
August, 2017	1.74	3.791	3.974, 08/14/2017	6.208, 08/30/2017 10:00
September, 2017	1.67	3.716	3.843, 09/04/2017	6.629, 09/09/2017 12:00
October, 2017	1.99	3.683	3.796, 10/22/2017	6.141, 10/11/2017
November, 2017	1.94	3.588	3.902, 11/16/2017	6.229, 11/8/2017
December, 2017	0.70	3.546	3.731, 12/03/2017	6.075, 12/16/2017 13:00
January 2018	1.00	3.820	4.726, 01/09/2018	6.663, 01/08/2018 22:00
February, 2018	0.25	3.711	3.813, 02/04/2018	6.220, 02/28/2018 09:00
March, 2018	1.08	3.795	4.726, 03/09/2018	6.663, 03/08/2018 22:00
April, 2018	0.76	3.710	3.921, 04/07/2018	6.065, 04/25/2018 08:00
May, 2018	0.00	3.842	4.005, 05/13/2018	6.388, 05/30/2018 09:00
June, 2018	0.00	3.785	3.913, 06/29/2018	6.094, 06/21/2018 09:00
July, 2018	0.00	3.608	3.807, 07/18/2018	5.834, 07/14/2018 12:00
August, 2018	0.00	3.657	3.945, 08/19/2018	6.199, 08/29/2018 09:00
Sept, 2018	0.11	3.864	4.014, 09/09/2018	6.356, 09/05/2018 09:00
October, 2018	0.00	3.866	3.999, 10/07/2018	6.205, 10/24/2018 09:00
November, 2018	1.56	3.893	4.675, 11/29/2018	7.150, 11/29/2018 09:00
December, 2018	2.04	3.782	4.185, 12/17/2018	6.212, 12/01/2018 11:00
January, 2019	4.47	4.012	5.213, 01/16/2019	9.341, 01/16/2019 21:00
February, 2019	9.80	4.371	6.436, 02/14/2019	7.987, 02/14/2019 09:00



Month / Year	Total Rainfall (in)	Average Flow Rate (MGD)	Peak Flow Day (MGD)	Peak Hour Flow Rate (MGD)
March, 2019	3.18	4.058	4.675, 03/06/2019	7.738, 03/06/2019 09:00
April, 2019	0.12	3.592	3.886, 04/28/2019	6.158, 04/24/2019 08:00
May, 2019	0.70	3.816	4.064, 05/19/2019	6.356, 05/22/2019 09:00
June, 2019	0.00	3.752	3.909, 06/04/2019	6.181, 06/04/2019 09:00
July, 2019	0.00	3.636	3.766, 07/30/2019	5.685, 07/24/2019 10:00
August, 2019	0.00	3.781	3.926, 08/18/2019	6.016, 08/21/2019 09:00
September, 2019	0.07	3.712	3.859, 09/11/2019	6.223, 09/11/2019 09:00
October, 2019	0.00	3.702	3.838, 10/27/2019	6.529, 10/30/2019 09:00
November, 2019	1.41	3.718	3.903, 11/11/2019	6.197, 11/04/2019 10:00
December, 2019	4.27	3.728	4.438, 12/07/2019	6.885, 12/07/2019 18:00
January, 2020	0.82	3.671	4.057, 01/16/2020	5.983, 01/31/2020 09:00
February, 2020	0.01	3.746	3.847, 02/09/2020	6.153, 02/26/2020 09:00
March, 2020	1.83	3.733	4.016, 03/16/2020	6.219, 03/07/2020 09:00
April, 2020	1.87	3.663	4.299, 04/05/2020	6.421, 04/05/2020 13:00
May, 2020	0.14	3.605	3.758, 05/03/2020	5.605, 05/03/2020 12:00
June, 2020	0.00	3.537	3.810, 06/21/2020	5.492, 06/07/2020 12:00
July, 2020	0.01	3.635	3.723, 07/26/2020	5.511, 07/12/2020 13:00
August, 2020	0.03	3.622	3.811, 08/16/2020	5.669, 08/16/2020 12:00
September, 2020	0.00	3.606	3.705, 09/27/2020	5.482, 09/26/2020 11:00
October, 2020	0.01	3.603	3.766, 10/04/2020	5.646, 10/31/2020 12:00
November, 2020	0.21	3.555	3.753, 11/08/2020	5.629, 11/14/2020 13:00
December, 2020	0.84	3.563	3.765, 12/06/2020	5.568, 12/05/2020 12:00

1. February and March 2017 Rainfall data corrected in August 2017.
2. February 2017 Average Flow Rate value corrected in August 2017 (transposition error).
3. June 2018 Peak Flow Day date corrected in July 2018.

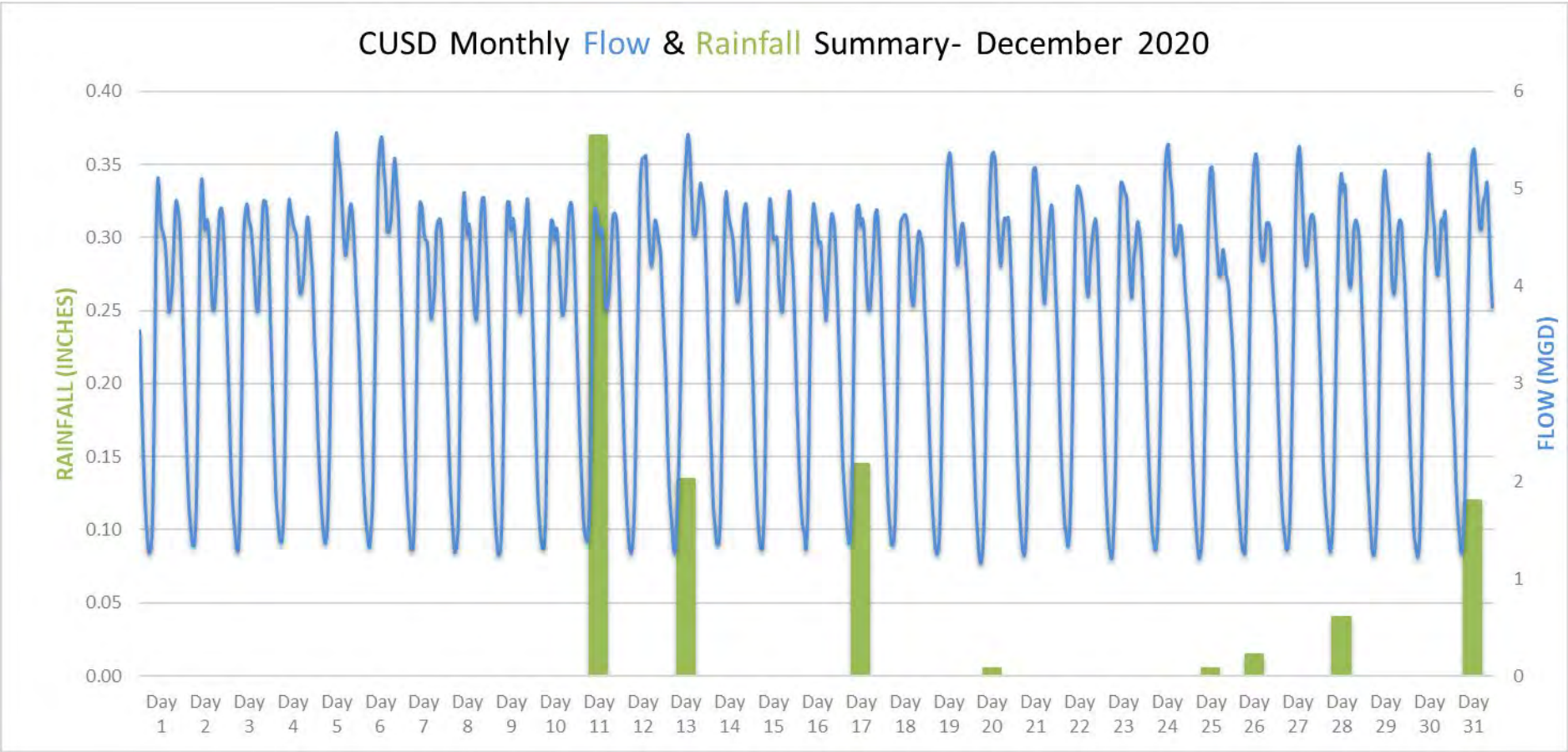
APPENDIX A

CUSD FLUME - Daily Results Summary December 2020

Date	Rainfall (Inches)	Monthly Flow Totals (MGD)		
	Ave	Min	Peak	Ave
12/1/2020	0.00	1.259	5.102	3.559
12/2/2020	0.00	1.334	5.088	3.562
12/3/2020	0.00	1.279	4.873	3.568
12/4/2020	0.00	1.364	4.877	3.553
12/5/2020	0.00	1.356	5.568	3.677
12/6/2020	0.00	1.313	5.525	3.765
12/7/2020	0.00	1.293	4.859	3.519
12/8/2020	0.00	1.267	4.945	3.527
12/9/2020	0.00	1.234	4.893	3.527
12/10/2020	0.00	1.302	4.857	3.514
12/11/2020	0.37	1.379	4.792	3.552
12/12/2020	0.00	1.256	5.336	3.604
12/13/2020	0.14	1.261	5.553	3.731
12/14/2020	0.00	1.348	4.955	3.569
12/15/2020	0.00	1.296	4.961	3.531
12/16/2020	0.00	1.294	4.835	3.532
12/17/2020	0.15	1.361	4.831	3.556
12/18/2020	0.00	1.341	4.731	3.499
12/19/2020	0.00	1.243	5.365	3.559
12/20/2020	0.01	1.149	5.371	3.575
12/21/2020	0.00	1.237	5.215	3.549
12/22/2020	0.00	1.328	5.022	3.572
12/23/2020	0.00	1.208	5.063	3.520
12/24/2020	0.00	1.287	5.449	3.589
12/25/2020	0.01	1.203	5.220	3.406
12/26/2020	0.02	1.249	5.357	3.534
12/27/2020	0.00	1.285	5.432	3.564
12/28/2020	0.04	1.270	5.156	3.523
12/29/2020	0.00	1.234	5.185	3.495
12/30/2020	0.00	1.213	5.344	3.525
12/31/2020	0.12	1.253	5.403	3.682
Total:	0.84	-	-	-
Daily Average:	-	1.280	5.134	3.563

 Lowest Flow Values in the Month
 Highest Flow Values in the Month

APPENDIX B



APPENDIX C

CUSD FLUME Hourly Flow Data (MGD) – December 2020

CUSD Flume Hourly Flow Date: December 2020 (MGD)																															
Day Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0:00	3.540	3.483	3.467	3.516	3.436	3.559	3.651	3.433	3.449	3.546	3.514	3.575	3.482	3.604	3.481	3.485	3.462	3.426	3.465	3.444	3.352	3.563	3.407	3.525	3.521	3.456	3.542	3.418	3.444	3.436	3.442
1:00	2.876	2.832	2.893	2.900	3.039	3.040	2.873	2.874	2.850	2.917	2.919	3.046	3.062	2.846	2.901	2.828	2.871	2.927	2.927	2.979	2.876	3.015	2.952	2.934	3.041	3.039	2.945	2.895	2.871	2.898	2.869
2:00	2.248	2.230	2.222	2.277	2.427	2.399	2.218	2.245	2.178	2.257	2.352	2.439	2.353	2.288	2.287	2.270	2.265	2.354	2.332	2.424	2.280	2.328	2.293	2.339	2.414	2.385	2.402	2.224	2.276	2.289	2.523
3:00	1.768	1.754	1.781	1.803	2.012	1.968	1.782	1.800	1.681	1.746	1.897	1.937	1.872	1.764	1.791	1.834	1.926	1.825	1.875	1.882	1.788	1.904	1.785	1.873	1.959	1.970	1.885	1.850	1.859	1.862	2.012
4:00	1.447	1.514	1.525	1.569	1.664	1.615	1.498	1.476	1.404	1.468	1.529	1.567	1.612	1.526	1.483	1.545	1.642	1.525	1.547	1.521	1.466	1.577	1.432	1.512	1.590	1.637	1.579	1.596	1.513	1.433	1.638
5:00	1.259	1.334	1.343	1.382	1.451	1.455	1.298	1.267	1.234	1.329	1.403	1.321	1.347	1.355	1.319	1.471	1.422	1.341	1.317	1.240	1.284	1.432	1.269	1.366	1.336	1.391	1.426	1.393	1.283	1.321	1.417
6:00	1.294	1.342	1.279	1.364	1.356	1.313	1.293	1.323	1.276	1.302	1.379	1.256	1.261	1.348	1.296	1.294	1.361	1.350	1.243	1.149	1.237	1.328	1.208	1.287	1.203	1.288	1.285	1.270	1.234	1.213	1.253
7:00	1.565	1.698	1.652	1.646	1.491	1.454	1.679	1.566	1.641	1.652	1.675	1.418	1.570	1.658	1.676	1.686	1.705	1.644	1.342	1.280	1.492	1.567	1.492	1.442	1.284	1.249	1.358	1.425	1.436	1.365	1.423
8:00	2.761	2.838	2.879	2.742	2.083	1.873	2.910	2.847	2.773	2.932	2.746	1.930	2.063	2.809	2.835	3.102	2.929	2.635	1.920	1.797	2.309	2.358	2.174	2.071	1.663	1.764	1.739	2.027	1.974	2.040	1.923
9:00	4.494	4.413	4.431	4.395	3.224	2.971	4.273	4.353	4.251	4.172	4.236	3.040	2.976	4.409	4.274	4.243	4.251	4.027	3.048	2.903	3.575	3.613	3.388	3.053	2.553	2.708	2.766	3.146	3.212	3.090	3.246
10:00	5.102	5.088	4.762	4.877	4.259	4.108	4.859	4.945	4.861	4.674	4.792	4.114	4.108	4.955	4.881	4.835	4.808	4.650	4.071	4.049	4.528	4.597	4.378	4.194	3.667	3.902	3.817	4.147	4.225	4.277	4.200
11:00	4.814	4.813	4.840	4.771	5.052	5.154	4.811	4.748	4.858	4.649	4.747	5.088	5.003	4.792	4.760	4.741	4.831	4.698	4.937	4.959	5.201	5.022	5.063	5.074	4.636	4.833	4.824	4.896	4.998	4.587	4.968
12:00	4.592	4.568	4.667	4.654	5.568	5.452	4.561	4.522	4.564	4.470	4.582	5.305	5.270	4.655	4.482	4.589	4.618	4.731	5.289	5.335	5.215	5.000	5.042	5.384	5.198	5.205	5.316	5.156	5.185	5.344	5.362
13:00	4.538	4.682	4.601	4.576	5.329	5.525	4.473	4.628	4.693	4.592	4.514	5.316	5.553	4.566	4.474	4.420	4.689	4.714	5.365	5.371	4.977	4.909	4.961	5.449	5.220	5.357	5.432	4.975	4.938	5.079	5.403
14:00	4.418	4.519	4.390	4.527	5.198	5.213	4.450	4.331	4.538	4.346	4.586	5.336	5.429	4.437	4.502	4.450	4.504	4.555	5.163	5.237	4.747	4.776	4.914	5.136	4.913	5.218	5.138	5.037	4.780	4.810	5.165
15:00	4.115	4.132	4.104	4.209	4.874	4.983	4.035	3.997	4.244	3.996	4.138	4.811	5.005	4.116	4.060	4.080	4.093	4.197	4.781	4.746	4.377	4.501	4.486	4.954	4.579	4.675	4.693	4.568	4.457	4.616	4.898
16:00	3.735	3.761	3.797	3.918	4.509	4.554	3.667	3.718	3.970	3.699	3.762	4.426	4.533	3.836	3.806	3.874	3.780	3.869	4.496	4.408	4.031	4.018	4.054	4.444	4.293	4.323	4.315	4.102	4.017	4.222	4.594
17:00	3.816	3.756	3.740	3.943	4.306	4.554	3.776	3.653	3.718	3.735	3.796	4.200	4.519	3.862	3.732	3.644	3.748	3.799	4.218	4.202	3.818	3.891	3.882	4.313	4.097	4.251	4.204	3.977	3.910	4.106	4.577
18:00	4.051	4.047	4.099	4.109	4.447	4.697	3.991	4.033	3.951	3.940	3.964	4.347	4.601	4.029	4.050	4.001	4.008	4.050	4.329	4.472	4.138	4.219	4.266	4.405	4.152	4.408	4.449	4.207	4.122	4.293	4.869
19:00	4.576	4.480	4.543	4.404	4.709	5.020	4.572	4.519	4.430	4.488	4.344	4.670	4.847	4.472	4.467	4.452	4.360	4.387	4.560	4.693	4.448	4.453	4.433	4.619	4.374	4.643	4.692	4.599	4.541	4.679	4.921
20:00	4.870	4.772	4.873	4.704	4.842	5.310	4.670	4.895	4.644	4.805	4.726	4.609	5.055	4.774	4.772	4.737	4.729	4.562	4.643	4.668	4.728	4.602	4.655	4.604	4.246	4.649	4.734	4.678	4.678	4.612	5.060
21:00	4.778	4.799	4.866	4.599	4.686	5.084	4.686	4.903	4.893	4.857	4.746	4.469	4.947	4.841	4.961	4.693	4.778	4.496	4.479	4.702	4.824	4.688	4.575	4.377	4.095	4.572	4.667	4.606	4.643	4.761	4.684
22:00	4.634	4.543	4.710	4.336	4.357	4.786	4.484	4.537	4.500	4.629	4.650	4.344	4.798	4.555	4.389	4.466	4.500	4.398	4.201	4.422	4.498	4.470	4.371	4.031	4.001	4.091	4.354	4.441	4.301	4.337	4.141
23:00	4.120	4.085	4.160	4.051	3.925	4.272	3.950	4.027	4.059	4.140	4.255	3.928	4.275	4.165	4.080	4.033	4.078	3.823	3.865	3.927	3.997	3.902	4.014	3.752	3.717	3.801	3.977	3.924	3.979	3.942	3.776
Min:	1.259	1.334	1.279	1.364	1.356	1.313	1.293	1.267	1.234	1.302	1.379	1.256	1.261	1.348	1.296	1.294	1.361	1.341	1.243	1.149	1.237	1.328	1.208	1.287	1.203	1.249	1.285	1.270	1.234	1.213	1.253
Max:	5.102	5.088	4.873	4.877	5.568	5.525	4.859	4.945	4.893	4.857	4.792	5.336	5.553	4.955	4.961	4.835	4.831	4.731	5.365	5.371	5.215	5.022	5.063	5.449	5.220	5.357	5.432	5.156	5.185	5.344	5.403
Ave:	3.559	3.562	3.568	3.553	3.677	3.765	3.519	3.527	3.527	3.514	3.552	3.604	3.731	3.569	3.531	3.532	3.556	3.499	3.559	3.575	3.549	3.572	3.520	3.589	3.406	3.534	3.564	3.523	3.495	3.525	3.682
Rainfall	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.370	0.000	0.135	0.000	0.000	0.000	0.145	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.005	0.015	0.000	0.040	0.000	0.000	0.120

- Lowest Hourly Flow Value in a day
- Highest Hourly Flow Value in a day

APPENDIX D

CUSD FLUME

Cumulative Rainfall Data (inches) by hour – December 2020 (San Jose & Saratoga)

CUSD Flume Cumulative Rainfall: December 2020 (inches) MAIN																															
Day Hour	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
0:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04
1:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.11
2:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.12
3:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.12
4:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.03	0.00	0.00	0.12
5:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.12
6:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.12
7:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.12
8:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.04	0.00	0.00	0.12
9:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
11:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
12:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
13:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
14:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
16:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
17:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
18:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
19:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.14	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
21:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.00	0.14	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
22:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.14	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
23:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.14	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12
Total:	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.14	0.00	0.00	0.00	0.15	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.00	0.00	0.12