CHANNEL ISLANDS BEACH
COMMUNITY SERVICES DISTRICT

Board of Directors:

SEAN DEBLEY, President
JARED BOUCHARD, Vice President
KRISTINA BREWER, Director
MARCIA MARCUS, Director
BOB NAST, Director

PETER MARTINEZ
General Manager

353 Santa Monica Drive · Channel Islands Beach, CA · 93035-4473 · (805) 985-6021 · FAX (805) 985-7156
A PUBLIC ENTITY SERVING CHANNEL ISLANDS BEACHES AND HARBOR · CIBCSD.COM

BOARD OF DIRECTORS REGULAR BOARD MEETING NOTICE & AGENDA

NOTICE IS HEREBY GIVEN that the Board of Directors of the Channel Islands Beach Community Services District will hold a Regular Board Meeting beginning at 6:00 P.M. on Tuesday, October 12, 2021. In accordance with the Governor's Executive Order N-29-20 and the Ventura County Stay Well at Home Order resulting from the novel Coronavirus the Meeting will be held virtually using the Microsoft Teams platform.

Join on your computer or mobile app
Click here to join the meeting
Or call in (audio only)
+1 213-282-9788,,261867501# United States, Los Angeles
Phone Conference ID: 261 867 501#

The agenda is as follows:

A. CALL TO ORDER, ROLL CALL, PLEDGE OF ALLEGIANCE:

B. PUBLIC COMMENTS:

1. Opportunity for members of the public to address the Board on matters under the purview of the District and which are not on the agenda. (Time limit 3 minutes per speaker)

C. CONSENT CALENDAR:

1. Approve the Agenda Order

2. Financial Reports:
   a. Cash Disbursal & Receipt Report – July 2021
   b. Cash Disbursal & Receipt Report – August 2021
   c. Cash Disbursal & Receipt Report – September 2021

3. Investment Policy, Investment Earnings Report

4. Minutes:
   a. August 3, 2021, Special Board Meeting

5. Authorize customer request for relief from water charges due to leaks on the property consistent with Resolution 16-06:

	Account Number	Water Relief	Sewer Relief	Total Relief
a.	12500-01	$15.98	$49.10	$65.08
b.	09760-02	$6.18	$24.55	$30.73
c.	0000066	$4.37	$24.55	$28.92
d.	09870-03	$57.74	$220.97	$278.71
e.	06840-01	$41.65	$105.47	$147.12
f.	04020-05	$16.62	$55.24	$71.86
				$622.42

D. ACTION CALENDAR:

1. CONSIDER AND ADOPT RESOLUTION 21-02 A RESOLUTION OF THE BOARD OF DIRECTORS OF THE CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT AUTHORIZING THE REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT FOR THE PERIOD OF OCTOBER 1st, 2021, UNTIL DECEMBER 31st, 2021, IN ACCORDANCE WITH ASSEMBLY BILL 361.

Recommendation:
1) Adopt Resolution 21-02

2. 2021 WATER AND SEWER MASTER PLAN

Recommendation:
1) Staff recommends the Board to consider and adopt the Channel Islands Beach Community Services District 2021 Water and Sewer Master Plan.

3. NEW BOARD MEETING START TIME DISCUSSION

Recommendation:
1) Board Discretion.

E. OPERATIONS REPORT:

F. INFORMATION CALENDAR:

1. General Manager's evaluation paperwork has been distributed to the Board and needs to be completed by the November 9, 2021, Regular Board Meeting.

2. Report from Board Members of any meeting or conference where compensation for attendance was received.

G. BOARD MEMBER COMMENTS:

H. GENERAL COUNSEL & GENERAL MANAGER COMMENTS:

AGENDA POSTING CERTIFICATION

This agenda was posted Thursday, October 7, 2021, by 5:00 PM. The agenda is posted at the District Office and two public notice bulletin boards, which are accessible 24 hours per day. The locations include:

- Hollywood Beach School, 4000 Sunset
- Corner Store, 2425 Roosevelt Blvd.
- District Office, 353 Santa Monica Drive

Agendas are also posted on the District's website at **www.cibcsd.com**.

Peter Martinez

Peter Martinez
General Manager

REQUESTS FOR DISABILITY-RELATED MODIFICATION OR ACCOMMODATION, INCLUDING AUXILIARY AIDS OR SERVICES, IN ORDER TO ATTEND OR PARTICIPATE IN A MEETING, SHOULD BE MADE TO THE SECRETARY OF THE BOARD IN ADVANCE OF THE MEETING TO ENSURE THE AVAILABILITY OF REQUESTED SERVICE OR ACCOMODATION. NOTICES, AGENDAS AND PUBLIC DOCUMENTS RELATED TO THE BOARD MEETINGS CAN BE MADE AVAILABLE IN ALTERNATIVE FORMAT UPON REQUEST.

Register: 1002 · Checking Pacific Western

From 07/01/2021 through 07/31/2021

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
07/01/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 6/25			135.00	625,068.96
07/01/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Deposit7/2			380.00	625,448.96
07/01/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/2			608.33	626,057.29
07/01/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 6/30			3,361.56	629,418.85
07/02/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 6/28			6,679.50	636,098.35
07/02/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 6/30			3,561.91	639,660.26
07/02/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 6/30			4,000.99	643,661.25
07/02/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 6/29			205.00	643,866.25
07/02/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			181.73	644,047.98
07/02/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			610.00	644,657.98
07/02/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/1	310.00			644,347.98
07/06/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,179.73	646,527.71
07/06/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			2,906.68	649,434.39
07/06/2021	ACH	CalPers	-split-	Excess liabilty	28.50			649,405.89
07/07/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,618.63	651,024.52
07/07/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,408.34	653,432.86
07/08/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			3,601.60	657,034.46
07/08/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			10,442.06	667,476.52
07/09/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/8			3,540.89	671,017.41
07/09/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/9			278.36	671,295.77
07/09/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/6			6,529.58	677,825.35
07/09/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/8			394.02	678,219.37
07/09/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/8			8,134.92	686,354.29
07/09/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,301.71	687,656.00
07/09/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			7,492.70	695,148.70
07/12/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			226.36	695,375.06
07/12/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			4,973.16	700,348.22
07/13/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			509.46	700,857.68
07/13/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			1,860.89	702,718.57
07/13/2021	ACH	AT & T	6 - Administrative Exp...	07092021				702,718.57
07/13/2021	ACH	Frontier	6 - Administrative Exp...	7-1-21	161.16			702,557.41
07/13/2021	ACH	AT & T	6 - Administrative Exp...	7-15-21	609.73			701,947.68
07/13/2021	ACH	Arco	4 - Maintenance Expen...	7-1-21	946.00			701,001.68
07/13/2021	ACH	Cardmember Service	8000 - Suspense		2,780.00			698,221.68
07/14/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/13			9,845.91	708,067.59
07/14/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/13			107.49	708,175.08
07/14/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/14			300.00	708,475.08
07/14/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/13			37,629.11	746,104.19
07/14/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			356.29	746,460.48
07/14/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,930.77	750,391.25

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07/14/2021	ACH	CalPers	-split-	pr pd 6/26/21 t...	3,830.68			746,560.57
07/14/2021	ACH	ACWA/JPIA Health ...	5 - Salaries & Benefits:...	0670252	1,101.55			745,459.02
07/14/2021	Retck	QB:Returned Item	1200 - Accounts Recei...	O'connor	92.92			745,366.10
07/14/2021	6951	Port Hueneme Marin...	2000 - Accounts Payable		161.41			745,204.69
07/14/2021	6952	A to Z Law, LLP	2000 - Accounts Payable		3,112.50			742,092.19
07/14/2021	6953	ACWA/JPIA	2000 - Accounts Payable		7,139.53			734,952.66
07/14/2021	6954	Amazon Capital Serv...	2000 - Accounts Payable		673.98			734,278.68
07/14/2021	6955	Aqua-Tech Services ...	2000 - Accounts Payable		450.00			733,828.68
07/14/2021	6956	County of Ventura - ...	2000 - Accounts Payable	Permits 600 Oc...	1,155.00			732,673.68
07/14/2021	6957	County of Ventura - ...	2000 - Accounts Payable		1,319.08			731,354.60
07/14/2021	6958	Famcon Pipe and Su...	2000 - Accounts Payable		1,578.72			729,775.88
07/14/2021	6959	FGL Environmental I...	2000 - Accounts Payable		198.00			729,577.88
07/14/2021	6960	Franchise Tax Board	2000 - Accounts Payable		350.00			729,227.88
07/14/2021	6961	Golden State Copier	2000 - Accounts Payable	Yearly Mainten...	2,411.00			726,816.88
07/14/2021	6962	Jarrod Lawrence	2000 - Accounts Payable		320.00			726,496.88
07/14/2021	6963	LAFCO	2000 - Accounts Payable	LAFCO fiscal ...	3,680.00			722,816.88
07/14/2021	6964	Michael K. Nunley ...	2000 - Accounts Payable		12,369.53			710,447.35
07/14/2021	6965	Oilfield Electric Motor	2000 - Accounts Payable		1,181.00			709,266.35
07/14/2021	6966	Pacific Couriers	2000 - Accounts Payable		248.92			709,017.43
07/14/2021	6967	Port Hueneme Marin...	2000 - Accounts Payable		599.04			708,418.39
07/14/2021	6968	Proven Print Services	2000 - Accounts Payable		1,349.42			707,068.97
07/14/2021	6969	SSBP	2000 - Accounts Payable		1,267.00			705,801.97
07/14/2021	6970	Underground Service...	2000 - Accounts Payable		26.50			705,775.47
07/14/2021	6971	United States Postal ...	2000 - Accounts Payable		5,000.00			700,775.47
07/14/2021	6972	City National Bank	2000 - Accounts Payable	Smart Meter L...	84,806.54			615,968.93
07/14/2021	6973	Aflac	2000 - Accounts Payable		353.55			615,615.38
07/14/2021	6974	CIBCSD-Petty Cash	2000 - Accounts Payable		311.08			615,304.30
07/14/2021	6975	Nationwide Retirement	2000 - Accounts Payable	pr pd 6/26/21 t...	2,120.36			613,183.94
07/14/2021	6976	EJ Harrison & Sons, ...	2000 - Accounts Payable	pr pd 6-1-21 to ...	51,728.77			561,455.17
07/14/2021	6977	FGL Environmental I...	2000 - Accounts Payable		146.00			561,309.17
07/14/2021	6978	ACWA/Joint Powers...	2000 - Accounts Payable	pr. pd. 4-1-21 t...	3,221.16			558,088.01
07/14/2021		QuickBooks Payroll ...	-split-	Created by Pay...	25,930.15			532,157.86
07/14/2021	To Print	Carol J Dillon	-split-	Direct Deposit				532,157.86
07/14/2021	To Print	Casey D Johnson	-split-	Direct Deposit				532,157.86
07/14/2021	To Print	E.D. Brock	-split-	Direct Deposit				532,157.86
07/14/2021	To Print	Erika F Davis	-split-	Direct Deposit				532,157.86
07/14/2021	To Print	Jesus Navarro	-split-	Direct Deposit				532,157.86
07/14/2021	To Print	Keila E Wilson	-split-	Direct Deposit				532,157.86
07/14/2021	To Print	Mark A Espinosa	-split-	Direct Deposit				532,157.86
07/14/2021	To Print	Peter A. Martinez	-split-	Direct Deposit				532,157.86

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From 07/01/2021 through 07/31/2021

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Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
07/15/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			184.73	532,342.59
07/15/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,097.18	535,439.77
07/15/2021	ACH	So. California Edison...	2 - Sewer System Expe...	7-15-21 1451	837.57			534,602.20
07/15/2021	ACH	So. California Edison...	2 - Sewer System Expe...	7-15-21 7567	1,101.92			533,500.28
07/15/2021	ACH	Vanco Chrg	6 - Administrative Exp...		96.40			533,403.88
07/15/2021	ACH	CalPers	-split-	pr pd 6/26/21 t...	3,830.68			529,573.20
07/16/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/15			23,225.84	552,799.04
07/16/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,054.35	553,853.39
07/16/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,362.48	557,215.87
07/16/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Pac West ACH...			87,571.49	644,787.36
07/16/2021	6979	CUSI	2000 - Accounts Payable	Annual FY Sof...	8,120.00			636,667.36
07/16/2021	6980	Elevated Entitlements	2000 - Accounts Payable		225.00			636,442.36
07/16/2021	6981	net2phone	2000 - Accounts Payable		333.17			636,109.19
07/16/2021	6982	Sam Hill & Sons, Inc.	2000 - Accounts Payable	4201 So. Victo...	35,130.19			600,979.00
07/16/2021	6983	City of Oxnard	2000 - Accounts Payable	pr pd 4-1-21 to ...	232,551.97			368,427.03
07/19/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,632.00	371,059.03
07/19/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			21,142.73	392,201.76
07/19/2021	RETCK	QB:Returned Item	1200 - Accounts Recei...	Hargrew	107.49			392,094.27
07/20/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			139.18	392,233.45
07/20/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,674.57	395,908.02
07/20/2021	6984	Graciela Cole	2000 - Accounts Payable	Customer Refund	67.87			395,840.15
07/20/2021	6985	XIO, Inc.	2000 - Accounts Payable	Mos. pd. July ...	2,190.00			393,650.15
07/20/2021	6987	Badger Meter	2000 - Accounts Payable		806.56			392,843.59
07/21/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			940.63	393,784.22
07/21/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			4,095.54	397,879.76
07/21/2021	ACH	CalPers	-split-		11,206.05			386,673.71
07/21/2021	6986	AWA	2000 - Accounts Payable	5 members for ...	125.00			386,548.71
07/22/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,063.90	387,612.61
07/22/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			1,491.11	389,103.72
07/22/2021	ACH	SEIU, Local 721	*2020 - Payroll Liabilit...	June 2021	167.50			388,936.22
07/22/2021	6988	Bay Alarm Company	2000 - Accounts Payable	103152	285.00			388,651.22
07/22/2021	6989	FGL Environmental I...	2000 - Accounts Payable		146.00			388,505.22
07/22/2021	6990	Xpress Lube	2000 - Accounts Payable		104.12			388,401.10
07/23/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/19			20,849.86	409,250.96
07/23/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/20			14,665.84	423,916.80
07/23/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/21			6,851.84	430,768.64
07/23/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/14			2,034.45	432,803.09
07/23/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			547.22	433,350.31
07/23/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,447.89	435,798.20
07/23/2021	ACH	CalPers	-split-	pr pd 7-10-21 -...	3,849.38			431,948.82

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From 07/01/2021 through 07/31/2021

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Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
07/23/2021	6991	Nationwide Retirement	2000 - Accounts Payable	pr. pd. 7-10-21 ...	2,633.72			429,315.10
07/23/2021	6992	Franchise Tax Board	2000 - Accounts Payable	pr pd 7-10-21 t...	350.00			428,965.10
07/26/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,226.89	430,191.99
07/26/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			4,239.14	434,431.13
07/26/2021	ACH	SEIU, Local 721	*2020 - Payroll Liabilit...	7-21	167.50			434,263.63
07/27/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			387.52	434,651.15
07/27/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,235.74	435,886.89
07/27/2021	6993	Badger Meter	2000 - Accounts Payable		3,365.98			432,520.91
07/27/2021	6994	Base Auto Parts	2000 - Accounts Payable		305.40			432,215.51
07/27/2021	6995	FGL Environmental I...	2000 - Accounts Payable		168.00			432,047.51
07/27/2021	6996	Grainger	2000 - Accounts Payable		197.96			431,849.55
07/27/2021	6997	PHWA	2000 - Accounts Payable		145,661.66			286,187.89
07/27/2021	6998	Staples	2000 - Accounts Payable		115.37			286,072.52
07/28/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/23			713.89	286,786.41
07/28/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/28			12,407.67	299,194.08
07/28/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/23			798.36	299,992.44
07/28/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/27			12,912.17	312,904.61
07/28/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/26			6,209.89	319,114.50
07/28/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			346.13	319,460.63
07/28/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,048.41	320,509.04
07/28/2021		QuickBooks Payroll ...	-split-	Created by Pay...	25,703.32			294,805.72
07/28/2021	DD	Carol J Dillon	-split-	Direct Deposit				294,805.72
07/28/2021	DD	Casey D Johnson	-split-	Direct Deposit				294,805.72
07/28/2021	DD	E.D. Brock	-split-	Direct Deposit				294,805.72
07/28/2021	DD	Erika F Davis	-split-	Direct Deposit				294,805.72
07/28/2021	DD	Keila E Wilson	-split-	Direct Deposit				294,805.72
07/28/2021	DD	Mark A Espinosa	-split-	Direct Deposit				294,805.72
07/28/2021	DD	Peter A. Martinez	-split-	Direct Deposit				294,805.72
07/28/2021	DD	Jesus Navarro	-split-	Direct Deposit				294,805.72
07/29/2021		QB:DEPOSIT	1200 - Accounts Recei...	Deposit			2.00	294,807.72
07/29/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			216.65	295,024.37
07/29/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			300.28	295,324.65
07/29/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Deposit Correc...			2.00	295,326.65
07/30/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/29			6,495.65	301,822.30
07/30/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/30			584.75	302,407.05
07/30/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 7/29			130.00	302,537.05
07/30/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			98.55	302,635.60
07/30/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			557.36	303,192.96
07/30/2021	6999	Badger Meter	2000 - Accounts Payable		1,682.99			301,509.97
07/30/2021	7000	Famcon Pipe and Su...	2000 - Accounts Payable		122.27			301,387.70

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From 08/01/2021 through 08/31/2021

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
08/03/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			319.83	301,707.53
08/03/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			463.71	302,171.24
08/03/2021	ACH	Arco	4 - Maintenance Expen...	7-21	175.31			301,995.93
08/03/2021	ACH	Arco	4 - Maintenance Expen...	7/21	946.00			301,049.93
08/03/2021	ACH	Cardmember Service	8000 - Suspense	7/21	4,427.71			296,622.22
08/04/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,369.72	297,991.94
08/04/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			1,478.49	299,470.43
08/05/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,933.92	302,404.35
08/05/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			3,768.74	306,173.09
08/06/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			352.67	306,525.76
08/06/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,455.58	308,981.34
08/06/2021	7001	Amazon Capital Serv...	2000 - Accounts Payable		481.48			308,499.86
08/06/2021	7002	Badger Meter	2000 - Accounts Payable		277.22			308,222.64
08/06/2021	7003	CIBCSD-Petty Cash	2000 - Accounts Payable		134.59			308,088.05
08/06/2021	7004	County of Ventura - ...	2000 - Accounts Payable	3932 & 3928 O...	785.00			307,303.05
08/06/2021	7005	County of Ventura - ...	2000 - Accounts Payable		1,244.27			306,058.78
08/06/2021	7006	FGL Environmental I...	2000 - Accounts Payable		605.00			305,453.78
08/06/2021	7007	Hollister & Brace	2000 - Accounts Payable		262.50			305,191.28
08/06/2021	7008	IVR Technology Gro...	2000 - Accounts Payable		101.09			305,090.19
08/06/2021	7009	Jarrod Lawrence	2000 - Accounts Payable		400.00			304,690.19
08/06/2021	7010	Miguel Zavalza	2000 - Accounts Payable		225.00			304,465.19
08/06/2021	7011	Nationwide Retirement	2000 - Accounts Payable	pr pd 7/24/21 t...	2,623.38			301,841.81
08/06/2021	7012	Pacific Couriers	2000 - Accounts Payable		248.92			301,592.89
08/06/2021	7013	State Ready Mix Inc.	2000 - Accounts Payable		348.09			301,244.80
08/06/2021	7014	Tampa Hardware 2	2000 - Accounts Payable		512.97			300,731.83
08/06/2021	7015	Underground Service...	2000 - Accounts Payable		19.90			300,711.93
08/06/2021	7016	Franchise Tax Board	2000 - Accounts Payable		350.00			300,361.93
08/09/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,005.25	301,367.18
08/09/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			7,938.97	309,306.15
08/10/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			129.02	309,435.17
08/10/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			5,090.63	314,525.80
08/11/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			396.66	314,922.46
08/11/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			8,498.86	323,421.32
08/11/2021		QuickBooks Payroll ...	-split-	Created by Pay...	25,510.23			297,911.09
08/11/2021	To Print	Carol J Dillon	-split-	Direct Deposit				297,911.09
08/11/2021	To Print	Casey D Johnson	-split-	Direct Deposit				297,911.09
08/11/2021	To Print	E.D. Brock	-split-	Direct Deposit				297,911.09
08/11/2021	To Print	Erika F Davis	-split-	Direct Deposit				297,911.09
08/11/2021	To Print	Keila E Wilson	-split-	Direct Deposit				297,911.09
08/11/2021	To Print	Mark A Espinosa	-split-	Direct Deposit				297,911.09

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From 08/01/2021 through 08/31/2021

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
08/11/2021	To Print	Peter A. Martinez	-split-	Direct Deposit				297,911.09
08/11/2021	To Print	Jesus Navarro	-split-	Direct Deposit				297,911.09
08/12/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			452.80	298,363.89
08/12/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			4,445.11	302,809.00
08/13/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			726.61	303,535.61
08/13/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,049.80	306,585.41
08/16/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			1,870.47	308,455.88
08/16/2021	ACH	CalPers	-split-	pr pd 7/24/21 t...	3,849.38			304,606.50
08/16/2021	ACH	CalPers	8000 - Suspense	GASB68 Repo...	350.00			304,256.50
08/16/2021	ACH	CalPers	8000 - Suspense	Unfunded accr...	57.00			304,199.50
08/16/2021	ACH	Vanco Chrg	6 - Administrative Exp...		96.40			304,103.10
08/16/2021	7017	A to Z Law, LLP	2000 - Accounts Payable		2,437.75			301,665.35
08/16/2021	7018	Black Gold Industries	2000 - Accounts Payable		954.50			300,710.85
08/16/2021	7019	CWEA	2000 - Accounts Payable	Earl David Bro...	192.00			300,518.85
08/16/2021	7020	FGL Environmental I...	2000 - Accounts Payable		146.00			300,372.85
08/16/2021	7021	Grainger	2000 - Accounts Payable		100.89			300,271.96
08/16/2021	7022	IVR Technology Gro...	2000 - Accounts Payable		100.42			300,171.54
08/16/2021	7023	net2phone	2000 - Accounts Payable		332.95			299,838.59
08/16/2021	7024	Oilfield Electric Motor	2000 - Accounts Payable		271.00			299,567.59
08/16/2021	7025	PHWA	2000 - Accounts Payable		69,229.43			230,338.16
08/16/2021	7026	Pro Image Sports	2000 - Accounts Payable		859.85			229,478.31
08/16/2021	7027	Raftelis Financial Co...	2000 - Accounts Payable	Rate Study	3,616.75			225,861.56
08/16/2021	7028	SSBP	2000 - Accounts Payable		860.00			225,001.56
08/17/2021	ACH	QB:DEPOSIT	1200 - Accounts Recei...	Bank Draft CI...			89,061.33	314,062.89
08/17/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			347.59	314,410.48
08/17/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,103.14	316,513.62
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/3			1,387.43	317,901.05
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/3			639.18	318,540.23
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/12			15,730.23	334,270.46
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/16			34,222.90	368,493.36
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/16			157.00	368,650.36
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/12			20,740.24	389,390.60
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/17			27,012.90	416,403.50
08/18/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	6648.00 water ...			7,315.20	423,718.70
08/18/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			1,706.75	425,425.45
08/18/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			21,501.75	446,927.20
08/18/2021	7029	FGL Environmental I...	2000 - Accounts Payable		245.00			446,682.20
08/18/2021	7030	PHWA	2000 - Accounts Payable	Balance owed f...	1,035.54			445,646.66
08/18/2021	7031	Ventura County Star	2000 - Accounts Payable	Notice of Publi...	447.48			445,199.18
08/19/2021	Dep	QB:DEPOSIT	1200 - Accounts Recei...	Deposit Correc...			100.00	445,299.18

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Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
08/19/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			563.25	445,862.43
08/19/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,278.86	449,141.29
08/19/2021	ACH	QB:DEPOSIT	1200 - Accounts Recei...	deposit correcti...	0.86			449,140.43
08/20/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/16			727.09	449,867.52
08/20/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/20			16,439.00	466,306.52
08/20/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/20			751.00	467,057.52
08/20/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/19			17,349.65	484,407.17
08/20/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			129.02	484,536.19
08/20/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,784.49	487,320.68
08/20/2021	ACH	SCE- Office	-split-	2274 8-19-21	513.90			486,806.78
08/20/2021	ACH	So. California Edison...	2 - Sewer System Expe...	7567 8-13-21	1,130.64			485,676.14
08/20/2021	ACH	So. California Edison...	2 - Sewer System Expe...	1451 8-13-21	707.17			484,968.97
08/20/2021	ACH	So. California Edison...	2 - Sewer System Expe...	7350 8-16-21	721.45			484,247.52
08/20/2021	ACH	Mission Linen & Uni...	5 - Salaries & Benefits:...	7-31-21	280.75			483,966.77
08/20/2021	ACH	Frontier	6 - Administrative Exp...	8-1-21 805-9...	160.92			483,805.85
08/20/2021	ACH	AT & T	6 - Administrative Exp...	X08092021 8-...	810.69			482,995.16
08/20/2021	RETCK	QB:Returned Item	1200 - Accounts Recei...	Holden	107.80			482,887.36
08/20/2021	7032	Franchise Tax Board	2000 - Accounts Payable	pr pd 8-7-21 to ...	350.00			482,537.36
08/20/2021	7033	ImageSource	2000 - Accounts Payable		163.35			482,374.01
08/20/2021	7034	Michael K. Nunley ...	2000 - Accounts Payable		14,386.69			467,987.32
08/20/2021	7035	Nationwide Retirement	2000 - Accounts Payable	pr pd 8-7-21 to ...	2,417.16			465,570.16
08/20/2021	7036	Northern Digital, Inc.	2000 - Accounts Payable		3,590.00			461,980.16
08/20/2021	7037	FGL Environmental I...	2000 - Accounts Payable		267.00			461,713.16
08/23/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,682.00	464,395.16
08/23/2021	RETCK	QB:Returned Item	1200 - Accounts Recei...	O'Connor	92.92			464,302.24
08/24/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			925.22	465,227.46
08/24/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			925.22	466,152.68
08/24/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,010.25	468,162.93
08/24/2021	ACH	Spectrum	6 - Administrative Exp...	8-16-21	110.88			468,052.05
08/24/2021	7044	Patriot Environmenta...	2000 - Accounts Payable		2,541.00			465,511.05
08/25/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/23			8,552.42	474,063.47
08/25/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/23			8,274.94	482,338.41
08/25/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/24			720.00	483,058.41
08/25/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/25			259.64	483,318.05
08/25/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			987.77	484,305.82
08/25/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,912.98	488,218.80
08/25/2021	7045	Famcon Pipe and Su...	2000 - Accounts Payable		1,415.70			486,803.10
08/25/2021		QuickBooks Payroll ...	-split-	Created by Pay...	25,419.05			461,384.05
08/25/2021	To Print	Carol J Dillon	-split-	Direct Deposit				461,384.05
08/25/2021	To Print	Casey D Johnson	-split-	Direct Deposit				461,384.05

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Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
08/25/2021	To Print	E.D. Brock	-split-	Direct Deposit				461,384.05
08/25/2021	To Print	Erika F Davis	-split-	Direct Deposit				461,384.05
08/25/2021	To Print	Keila E Wilson	-split-	Direct Deposit				461,384.05
08/25/2021	To Print	Mark A Espinosa	-split-	Direct Deposit				461,384.05
08/25/2021	To Print	Peter A. Martinez	-split-	Direct Deposit				461,384.05
08/25/2021	To Print	Jesus Navarro	-split-	Direct Deposit				461,384.05
08/26/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			865.52	462,249.57
08/26/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,634.41	464,883.98
08/26/2021	ACH	Spectrum	6 - Administrative Exp...		498.96			464,385.02
08/26/2021	ACH	SEIU, Local 721	*2020 - Payroll Liabilit...		167.50			464,217.52
08/26/2021	7046	Pete Martinez	2000 - Accounts Payable	1st half of FY, ...	4,000.00			460,217.52
08/27/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			288.52	460,506.04
08/27/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			890.16	461,396.20
08/30/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			139.18	461,535.38
08/30/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			733.18	462,268.56
08/31/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/27			7,387.04	469,655.60
08/31/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 8/30			20,186.77	489,842.37
08/31/2021	DEP	QB:DEPOSIT	3120 Sewer Revenues:...	4-1-21 to 6-30-...			248,759.84	738,602.21
08/31/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Pymts. to City ...			637.50	739,239.71
08/31/2021	DEP	QB:DEPOSIT	2050 - Customer Depo...	Dep 8/31			150.00	739,389.71
08/31/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			180.00	739,569.71
08/31/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,464.90	741,034.61

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Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
09/01/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			98.55	741,133.16
09/01/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,278.55	742,411.71
09/01/2021	7061	Western Alliance Bank	2000 - Accounts Payable	principal/Intere...	308,234.11			434,177.60
09/02/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			1,695.28	435,872.88
09/02/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			3,001.72	438,874.60
09/02/2021	ACH	Mission Linen & Uni...	5 - Salaries & Benefits:...	08-31-21	224.60			438,650.00
09/02/2021	ACH	Pitney Bowes Inc.	6 - Administrative Exp...	3104922540 ...	527.02			438,122.98
09/02/2021	ACH	Bay Alarm Company	4 - Maintenance Expen...	08-15-21 Came...	104.19			438,018.79
09/02/2021	ACH	Aflac	*2020 - Payroll Liabilit...	596106	235.70			437,783.09
09/02/2021	ACH	Cardmember Service	8000 - Suspense	August 2021	2,650.85			435,132.24
09/02/2021	7038	Amazon Capital Serv...	2000 - Accounts Payable		1,596.11			433,536.13
09/02/2021	7039	County of Ventura - ...	2000 - Accounts Payable	3932 & 3928 O...	785.00			432,751.13
09/02/2021	7040	CUSI	2000 - Accounts Payable		101.50			432,649.63
09/02/2021	7041	Elevated Entitlements	2000 - Accounts Payable		1,087.50			431,562.13
09/02/2021	7042	FGL Environmental I...	2000 - Accounts Payable		292.00			431,270.13
09/02/2021	7043	Hollister & Brace	2000 - Accounts Payable		875.00			430,395.13
09/02/2021	7047	IVR Technology Gro...	2000 - Accounts Payable		101.52			430,293.61
09/02/2021	7048	Jarrod Lawrence	2000 - Accounts Payable		320.00			429,973.61
09/02/2021	7049	Michael K. Nunley ...	2000 - Accounts Payable		23,343.78			406,629.83
09/02/2021	7050	Miguel Zavalza	2000 - Accounts Payable		225.00			406,404.83
09/02/2021	7051	Pacific Couriers	2000 - Accounts Payable		248.92			406,155.91
09/02/2021	7052	Sam Hill & Sons, Inc.	2000 - Accounts Payable	Grind/Pave var...	8,927.70			397,228.21
09/02/2021	7053	Underground Service...	2000 - Accounts Payable		21.55			397,206.66
09/02/2021	7055	America's Tire	2000 - Accounts Payable	New tires for C...	658.04			396,548.62
09/03/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			960.41	397,509.03
09/03/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,924.91	399,433.94
09/03/2021	7056	Nationwide Retirement	2000 - Accounts Payable	pr pd 8-21-21 t...	1,915.89			397,518.05
09/03/2021	7057	Franchise Tax Board	2000 - Accounts Payable	pr pd 8-21-21 t...	350.00			397,168.05
09/03/2021	7058	Trench Plate Rentals ...	2000 - Accounts Payable		417.03			396,751.02
09/07/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			724.38	397,475.40
09/07/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,729.46	401,204.86
09/07/2021	7062	AWA	2000 - Accounts Payable	AWA 2021 Dues	300.00			400,904.86
09/07/2021	7063	County of Ventura - ...	2000 - Accounts Payable	Building Plan	1,301.66			399,603.20
09/07/2021	7064	EJ Harrison & Sons, ...	2000 - Accounts Payable	pr pd 7-1-21 to ...	47,172.31			352,430.89
09/07/2021	7065	ImageSource	2000 - Accounts Payable		205.85			352,225.04
09/07/2021	7066	Oilfield Electric Motor	2000 - Accounts Payable		542.00			351,683.04
09/08/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/7			11,901.84	363,584.88
09/08/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/7			278.09	363,862.97
09/08/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,800.11	365,663.08
09/08/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			7,230.60	372,893.68

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Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
09/08/2021		QuickBooks Payroll ...	-split-	Created by Pay...	25,991.02			346,902.66
09/08/2021	To Print	Carol J Dillon	-split-	Direct Deposit		X		346,902.66
09/08/2021	To Print	Casey D Johnson	-split-	Direct Deposit		X		346,902.66
09/08/2021	To Print	E.D. Brock	-split-	Direct Deposit		X		346,902.66
09/08/2021	To Print	Erika F Davis	-split-	Direct Deposit		X		346,902.66
09/08/2021	To Print	Jesus Navarro	-split-	Direct Deposit		X		346,902.66
09/08/2021	To Print	Keila E Wilson	-split-	Direct Deposit		X		346,902.66
09/08/2021	To Print	Mark A Espinosa	-split-	Direct Deposit		X		346,902.66
09/08/2021	To Print	Peter A. Martinez	-split-	Direct Deposit		X		346,902.66
09/09/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,273.51	348,176.17
09/09/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			7,860.75	356,036.92
09/09/2021	ACH	CalPers	-split-	pr pd 8-7-21 to ...	3,849.38			352,187.54
09/10/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/10			23,111.73	375,299.27
09/10/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/8			17,828.89	393,128.16
09/10/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/10			160.25	393,288.41
09/10/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,356.22	394,644.63
09/10/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			5,943.77	400,588.40
09/13/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,498.93	403,087.33
09/13/2021	RETCK	QB:Returned Item	1200 - Accounts Recei...	McMillan	200.00			402,887.33
09/13/2021	RETCK	QB:Returned Item	1200 - Accounts Recei...	O'Connor	92.92			402,794.41
09/14/2021	RETCK	QB:Returned Item	1200 - Accounts Recei...		118.87			402,675.54
09/15/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			95.35	402,770.89
09/15/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,480.68	406,251.57
09/15/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,449.92	407,701.49
09/15/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,012.75	409,714.24
09/15/2021	ACH	Arco	4 - Maintenance Expen...	09-03-21	696.54			409,017.70
09/15/2021	ACH	CalPers	-split-		11,206.05			397,811.65
09/16/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			129.02	397,940.67
09/16/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep Vanco			2,767.94	400,708.61
09/16/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	ACH Draft CI...			93,032.62	493,741.23
09/16/2021	7067	A to Z Law, LLP	2000 - Accounts Payable		528.00			493,213.23
09/16/2021	7068	CUSI	2000 - Accounts Payable		101.62			493,111.61
09/16/2021	7069	FGL Environmental I...	2000 - Accounts Payable		344.00			492,767.61
09/16/2021	7070	JEM TECH PROS	2000 - Accounts Payable		190.00			492,577.61
09/16/2021	7071	net2phone	2000 - Accounts Payable		332.95			492,244.66
09/16/2021	7072	Oilfield Electric Motor	2000 - Accounts Payable		320.00			491,924.66
09/16/2021	7073	PHWA	2000 - Accounts Payable		66,133.80			425,790.86
09/16/2021	7074	ShredRite Inc.	2000 - Accounts Payable		60.00			425,730.86
09/16/2021	7075	SSBP	2000 - Accounts Payable		690.00			425,040.86
09/16/2021	7076	TC Experts, Inc.	2000 - Accounts Payable		1,225.40			423,815.46

Register: 1002 · Checking Pacific Western

From 09/01/2021 through 09/30/2021

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
09/16/2021	7077	XIO, Inc.	2000 - Accounts Payable	Sept. and Oct. ...	2,190.00			421,625.46
09/17/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/15			23,725.92	445,351.38
09/17/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/14			13,422.31	458,773.69
09/17/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/13			7,733.50	466,507.19
09/17/2021	DEP	QB:DEPOSIT	2050 - Customer Depo...	Dep 9/14			150.00	466,657.19
09/17/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/17			5,432.30	472,089.49
09/17/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/10			7,290.23	479,379.72
09/17/2021	EDEp	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,770.76	483,150.48
09/17/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			21,467.58	504,618.06
09/17/2021	RETCK	QB:Returned Item	1200 - Accounts Recei...	Brown	118.87			504,499.19
09/20/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			775.76	505,274.95
09/20/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,973.29	508,248.24
09/20/2021	ACH	CalPers	5 - Salaries & Benefits:...		11,206.05			497,042.19
09/20/2021	ACH	SEIU, Local 721	*2020 - Payroll Liabilit...		167.50			496,874.69
09/21/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			549.12	497,423.81
09/21/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			3,054.09	500,477.90
09/22/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/21			21,149.44	521,627.34
09/22/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/17			7,965.09	529,592.43
09/22/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Deposi Correct...			0.02	529,592.45
09/22/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,213.15	530,805.60
09/22/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,969.41	533,775.01
09/22/2021		QuickBooks Payroll ...	-split-	Created by Pay...	26,125.70			507,649.31
09/22/2021	7078	Kristina N Brewer	-split-		352.77			507,296.54
09/22/2021	7079	Marcia L Marcus	-split-		260.42			507,036.12
09/22/2021	7080	Robert T Nast	-split-		260.42			506,775.70
09/22/2021	7081	Sean Debley	-split-		222.56			506,553.14
09/22/2021	To Print	Carol J Dillon	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	Casey D Johnson	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	E.D. Brock	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	Erika F Davis	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	Jared Bouchard	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	Keila E Wilson	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	Mark A Espinosa	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	Peter A. Martinez	-split-	Direct Deposit		X		506,553.14
09/22/2021	To Print	Jesus Navarro	-split-	Direct Deposit		X		506,553.14
09/23/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			773.79	507,326.93
09/23/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			1,775.21	509,102.14
09/23/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Correction			0.63	509,102.77
09/23/2021	ACH	CalPers	-split-	pr pd 9-4-21 to ...	3,849.38			505,253.39
09/23/2021	ACH	Spectrum	6 - Administrative Exp...	09-18-21 DSL	179.35			505,074.04

Register: 1002 · Checking Pacific Western

From 09/01/2021 through 09/30/2021

Sorted by: Date, Type, Number/Ref

Date	Number	Payee	Account	Memo	Payment	C	Deposit	Balance
09/23/2021	ACH	Frontier	6 - Administrative Exp...	9-1-21	160.92			504,913.12
09/23/2021	ACH	ACWA/JPIA Health ...	5 - Salaries & Benefits:...	0673480	1,101.55			503,811.57
09/23/2021	ACH	AT & T	6 - Administrative Exp...	9-1-21	810.69			503,000.88
09/23/2021	ACH	So. California Edison...	2 - Sewer System Expe...	7350 9-15-21	332.48			502,668.40
09/23/2021	ACH	SCE- Office	-split-	9-20-21 2274	254.54			502,413.86
09/23/2021	ACH	So. California Edison...	2 - Sewer System Expe...	1451 9-14-21	693.18			501,720.68
09/23/2021	ACH	So. California Edison...	2 - Sewer System Expe...	7567 9-14-21	979.19			500,741.49
09/23/2021	7082	CIBCSD-Petty Cash	2000 - Accounts Payable		241.07			500,500.42
09/23/2021	7083	FedEX	2000 - Accounts Payable	Final Payment ...	46.70			500,453.72
09/23/2021	7084	FGL Environmental I...	2000 - Accounts Payable		146.00			500,307.72
09/23/2021	7085	Franchise Tax Board	2000 - Accounts Payable		189.65			500,118.07
09/23/2021	7086	Oilfield Electric Motor	2000 - Accounts Payable		316.00			499,802.07
09/23/2021	7087	Ventura County Star	2000 - Accounts Payable		108.48			499,693.59
09/23/2021	7088	Nationwide Retirement	2000 - Accounts Payable	pr pd 9-4-21 to ...	2,522.40			497,171.19
09/23/2021	7089	Sandcastle Realty	2000 - Accounts Payable		2,275.79			494,895.40
09/23/2021	7090	Aflac	2000 - Accounts Payable		235.70			494,659.70
09/23/2021	7091	EJ Harrison & Sons, ...	2000 - Accounts Payable		50,380.76			444,278.94
09/23/2021	7092	EJ Harrison & Sons, ...	2000 - Accounts Payable	Difference bet...	1,085.77			443,193.17
09/23/2021	7093	CUSI	2000 - Accounts Payable	Annual Tech s...	3,960.00			439,233.17
09/24/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/22			10,935.29	450,168.46
09/24/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/22			1,195.75	451,364.21
09/24/2021	DEP	QB:DEPOSIT	1200 - Accounts Recei...	Dep 9/17			120.00	451,484.21
09/24/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	9/24			1,129.02	452,613.23
09/24/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			2,350.07	454,963.30
09/27/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			671.28	455,634.58
09/27/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			4,455.59	460,090.17
09/28/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			468.20	460,558.37
09/28/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			670.66	461,229.03
09/29/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			206.95	461,435.98
09/29/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	CUSI			1,825.94	463,261.92
09/29/2021	EDEP	QB:DEPOSIT	1200 - Accounts Recei...	Vanco			258.05	463,519.97

CHANNEL ISLANDS BEACH
COMMUNITY SERVICES DISTRICT

Board of Directors:

SEAN DEBLEY, President
JARED BOUCHARD, Vice President
KRISTINA BREWER, Director
MARCIA MARCUS, Director
BOB NAST, Director

Peter Martinez
General Manager

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Regular Board Meeting, October 12, 2021
To: **Board of Directors**
From: **CJ Dillon, *Office Manager***
Subject: **Review of Investment Report and Policy for fiscal year ending 6/30/2021**
Item: **Consent Calendar**

RECOMMENDATION: Approve the annual investment policy as presented.

FINANCIAL IMPACT: No additional funding requested. Interest earnings are reflected in ending account balances for FY 2020-2021. The estimated interest earnings for FY 2020-2021 were $90,000. Actual interest earnings were $78,113.

BACKGROUND:

Account Name	Account Type	Ending Balance 6/30/2021
County of Ventura	Savings (pooled fund)	$7,888,828
Pacific Western – Checking	Checking	$666,305
Pacific Western – CD	Closed last Fiscal Year	Balance transferred to Checking

The District maintains two main investment accounts, as shown in the following table.

County of Ventura – This is the District's primary savings account which is managed by the County. Agencies throughout the County pool their funds together for ease of expert management, increase yields, and make smaller agencies eligible for a diverse set of investment that otherwise may not be available to them.

Pacific Western Checking – This is the District's primary checking account which has a 0% yield. All operational functions are handled from this account.

Staff is required to present the Board with an investment report and approve the renewal of the investment policy on an annual basis. Attached is a copy of the District's investment holdings with different institutions. Special districts are subject to specific guidelines for how to manage investment funds. The attached investment report and policy are in accordance with these guidelines.

ATTACHMENTS:

1. Investment Report for FY 2020-2021 and Investment Policy

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

ANNUAL STATEMENT OF INVESTMENT POLICY

This policy shall direct the investment of the District's temporarily inactive money for all funds accounted for in the District's financial statements, unless specifically exempted. This policy will not direct the investment of bond proceeds which are specifically governed by the individual bond documents and trust indentures.

Operational Funds are used on an ongoing basis to cover the costs of the operating and maintenance budget of the fiscal year. Operating and maintenance costs are funded through the collection of water, sewer and trash service fees and collection of current and prior year secured taxes. Operational funds are authorized to be invested in the Ventura County Investment Pool and money market funds of qualified banks and savings and loans.

Outside Restricted Cash Assets: Cash and investments held and invested by fiscal agents on behalf of the District are pledged for payment of security of certain long-term debt issuances. Fiscal agents are mandated by bond indentures as to the types of investments in which debt proceeds can be invested. Also included in this category are customer deposits, which are authorized to be invested in the Ventura County Investment Pool

Board Restricted Cash: Cash restricted for the cost of the following District projects: Sewer unanticipated repairs and maintenance, water distribution unanticipated repairs and maintenance, a reserve for rate stabilization and a reserve for operations. An amount equivalent to one month's operating expenses is allocated in the Board Restricted Cash Reserve account to guarantee operating expenses. These funds are authorized to be invested in the Ventura County Investment Pool.

From the eligible securities permitted by Government Code *53601*, the District is authorized to invest in only the Ventura County Investment Pool and money market funds of qualified banks and savings and loans as set forth in Government Code *53601.6*.

The Ventura County Treasurer-Tax Collector manages pooled cash under the prudent investor rule which states that: "Investments shall be made with judgment and care, under circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived" The county's portfolio is made up of a selection of investments that ensure diversification and availability of funds when needed. The basic objectives of these investments are safety of principal, maintenance of liquidity to meet cash flow need and to earn a competitive rate of return (i.e. yield) within the confines of the California Government Code.

This annual statement is submitted in compliance with Government Code *5346(a)(2)*. And, as specified in Government Code *53600.5* when investing or managing public funds, the primary objectives are safety, liquidity, and return on investments.

Submitted by: Date:

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT
Summary of Cash & Investments
Year Ending June 30, 2021

	QE 09/20		QE 12/20		QE 03/21		QE 06/21	
	Avg %	Balance	Avg %	Balance	Avg %	Balance	Avg %	Balance
County of Ventura	1.01%	7,408,020	0.58%	7,484,692	0.39%	7,497,033	0.32%	7,888,828
First California - Checking	0.00%	921,578	0.00%	346,294	0.00%	1,262,320	0.00%	666,305
		8,329,598		7,830,986		8,759,353		8,555,133

I hereby certify the ability of the District to meet the expediture requirements for the next twelve months as per Government Code 5346(a)(2).
This report is in compliance with CIBCSD's Investment Policy under Government Code 53646(b)(2).

Peter Martinez, General Manager

Date

MINUTES OF THE

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

SPECIAL BOARD MEETING, August 3, 2021

A. CALL TO ORDER, ROLL CALL, PLEDGE OF ALLEGIANCE:

President Debley called the virtual meeting to order at 6:01 P.M. In attendance, Vice President Bouchard, Director Brewer, Director Marcus, Director Nast, General Manager Peter Martinez, Clerk of the Board, Erika Davis, General Counsel, John Mathews, Office Manager, CJ Dillon, and Operations Manager Jesus (Chuy) Navarro.

B. PUBLIC COMMENTS:

None.

C. CONSENT CALENDAR:

Director Marcus made the motion to approve the Consent Calendar. Director Brewer seconded the motion. The motion passed.

Debley, Bouchard, Brewer, Marcus, Nast 5- Yes 0 -No

D. PUBLIC HEARINGS:

6:05 P.M.

1. FINAL PROPOSED FY 2021-2022 BUDGET

President Debley opened and conducted the public hearing. The FY 2021-2022 Final Proposed Budget was presented for adoption. Clerk of the Board stated there were no written or oral communications received. There was no public testimony and President Debley closed the public hearing. Vice President Bouchard made the motion to adopt the Final Proposed FY 2021-2022 Operating and Capital Budget. Director Brewer seconded the motion. The motion passed.

ROLL CALL VOTE
Debley: YES, Bouchard: YES, Brewer: YES, Marcus: YES, Nast: YES 5-Yes 0-No

2. PROPOSITION 218 MAJORITY PROTEST PROCESS RELATIVE TO PROPOSED INCREASE TO WATER, WASTEWATER (SEWER) AND REFUSE COLLECTION SERVICES RATES

President Debley opened and conducted the public hearing. Raftelis Financial Consultants presented the upcoming five-year period Fiscal Year Ending 2022-2026 rate study for the final time. General Manager Martinez stated that on June 8, 2021, the Board approved the water, sewer, and trash rates and authorized staff to initiate a Proposition 218 Notice. Clerk of the Board stated there were no protest letters. Public testimony by Mark Sandoval was received. President Debley closed the public hearing. In the absence of majority protest Vice President Bouchard made the motion to pass, approve, and adopt Resolution No 21-01 revising District water, wastewater (sewer), and refuse collection services rates for 2022 through 2026. President Debley seconded the motion. The motion passed.

ROLL CALL VOTE
Debley: YES, Bouchard: YES, Brewer: YES, Marcus: YES, Nast: YES 5-Yes 0-No

3. PUBLIC HEARING ON WATER, SEWER, AND REFUSE COLLECTION SERVICES PURSUANT TO PROPOSITION 218 (CALIFORNIA CONSTITUTION, ARTICLE XIID). ORDINANCE 95 OF THE CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT RATES AND REGULATIONS FOR WATER, SEWER, AND REFUSE COLLECTION SERVICES

President Debley opened and conducted the public hearing. General Manager Martinez explained that Ordinance 95 will be amending fees and regulations within the District in accordance with the Proposition 218 Notice. Clerk stated there we no protest letters. There was no public testimony and President Debley closed the public hearing. Vice President Bouchard made the motion to adopt Ordinance 95. Director Brewer seconded the motion. The motion passed.

ROLL CALL VOTE
Debley: YES, Bouchard: YES, Brewer: YES, Marcus: YES, Nast: YES 5-Yes 0-No

Office Manager Dillon performed the reading of Ordinance 95 in title only.

E. BOARD MEMBER COMMENTS:

Director Marcus asked for more information on emergency services specifically pertaining to earthquakes and tsunamis.

President Debley suggested that General Manager Martinez ask VC Emergency Services to attend and update the Board and Community about emergency services at a future Board meeting.

Vice President Bouchard asked that a discussion regarding changing the Regular Board meeting start time from 6:00 p m to earlier in the day be placed on a future Board meeting agenda. Director Brewer and Director Marcus supported this discussion being agendized at a future meeting.

Director Nast stated he is still concerned with sea level rise.

President Debley requested that the building site redevelopment AD HOC committee meet soon so that they could bring the updated information to the Board at a future Regular Board meeting.

Board of Directors wished Mark Sandoval a wonderful retirement filled with good health.

I. GENERAL COUNSEL & GENERAL MANAGER COMMENTS:

General Manager Martinez said that Mark Sandoval was a pleasure to work with and wished Mr. Sandoval a happy retirement.

General Manager Martinez stated that due to the current COVID situation the District office would be returning to a hybrid work schedule as a precautionary measure.

The Board Meeting adjourned at 7:03 P.M.

_____

Sean Debley, President

CHANNEL ISLANDS BEACH
COMMUNITY SERVICES DISTRICT

Board of Directors:

SEAN DEBLEY, President
JARED BOUCHARD, Vice President
KRISTINA BREWER, Director
MARCIA MARCUS, Director
BOB NAST, Director

PETER MARTINEZ
General Manager

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Regular Board Meeting, October 12, 2021

To: **Board of Directors**

From: **Peter Martinez, *General Manager***

Subject: **CONSIDERATION AND ADOPTION OF RESOLUTION NO. 21-02 ENABLING CONTINUED USE OF REMOTE TELECONFERENCE MEETINGS IN ACCORDANCE WITH ASSEMBLY BILL 361**

Item No. **D-1**

RECOMMENDATION:

It is recommended the Board adopt Resolution No. 21-02 authorizing remote teleconference meetings of the Legislative Bodies of the Channel Islands Beach Community Services District for the period of October 1, 2021, to December 31, 2021.

BACKGROUND/DISCUSSION:

In March 2020, amid concern surrounding the spread of the COVID-19 virus throughout communities in the state, California Governor Gavin Newsom issued a series of Executive Orders aimed at containing the novel coronavirus. These Orders modified or waived meeting requirements in the Brown Act Open Meetings Law for local agency public meetings so that the public health and safety of all attendees would be protected through teleconferenced or remote meetings.

On September 16, 2021, the Governor signed Assembly Bill 361 requiring an approved Resolution justifying the need to continue virtual meetings due to imminent risks to the health and safety of attendees. If approved, the attached Resolution 21-02 would become effective October 1, 2021, and remain in place until December 31, 2021.

ATTACHMENTS:

1. Resolution No. 21-02

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

BOARD OF DIRECTORS
RESOLUTION NO. 21-02

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT PROCLAIMING A LOCAL EMERGENCY PERSISTS, RE-RATIFYING THE PROCLAMATION OF A STATE OF EMERGENCY BY GOVERNER'S EXECUTIVE ORDER N-29-20 ON MARCH 17, 2020, AND RE-AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT FOR THE PERIOD OCTOBER 1, 2021, UNTIL DECEMBER 31, 2021, PURSUANT TO BROWN ACT PROVISIONS.

WHEREAS, the Channel Islands Beach Community Services District is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of Channel Islands Beach Community Services District's legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and watch the District's legislative bodies conduct their business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provision for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and

Type text h

WHEREAS, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the District's boundaries, caused by natural, technological or human-caused disasters; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, as a condition of extending the use of the provisions found in section 54953(e), the Board of Directors must reconsider the circumstances of the state of emergency that exists in the District, and the Board of Directors has done so; and

WHEREAS, emergency conditions persist in the District, specifically, on March 4, 2020 the Governor's office issued a state of emergency order related to the Covid-19 pandemic and that order remains effective at the time of adoption of this resolution; and

WHEREAS, on September 17, 2021, order of the Ventura County Health Officer extending the august 20,2021 order requiring all individuals in the county to wear face coverings in all indoor public settings and businesses to minimize the spread of Covid-19; and

WHEREAS, the Board of Directors does hereby find that the continued risk of COVID-19 infection remains significantly higher than stated public health goals, and the Channel Islands Beach Community Services District Board Room is not sufficient in size to allow for appropriate social distancing has caused, and will continue to cause, conditions of peril to the safety of persons within the District that are likely to be beyond the control of services, personnel, equipment, and facilities of the District, and desires to affirm a local emergency exists and re-ratify the proclamation of state of emergency by the Governor of the State of California; and

WHEREAS, as a consequence of the local emergency persisting, the Board of Directors does hereby find that the legislative bodies of Channel Islands Beach Community Services District shall continue to conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall continue to comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, all meetings will be conducted to ensure the ability for the public to continue to participate through publication of meeting agendas containing the meeting ID link and call in phone number of all remote meetings, which allow the public to listen and provide comment on any and all business being conducted before the legislative body.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Affirmation that Local Emergency Persists. The Board of Directors hereby considers the conditions of the state of emergency in the District and proclaims that a local emergency persists throughout the District, and

Section 3. Re-ratification of Governor's Proclamation of a State of Emergency. The Board hereby ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.

Section 4. Remote Teleconference Meetings. The General Manager and legislative bodies of Channel Islands Beach Community Services District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including, continuing to conduct open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

Section 5. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of (i) December 31, 2021, or such time the Board of Directors adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to

extend the time during which the legislative bodies of Channel Islands Beach Community Services District may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

PASSED AND ADOPTED by the Board of Directors of Channel Islands Beach Community Services District this **12th day of October 2021**, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

_____
SEAN DEBLEY, BOARD PRESIDENT

ATTEST:

_____
PETER MARTINEZ
GENERAL MANAGER

APPROVED AS TO FORM:

_____
JOHN MATHEWS
GENERAL COUNSEL

CHANNEL ISLANDS BEACH
COMMUNITY SERVICES DISTRICT

Board of Directors:

SEAN DEBLEY, President
JARED BOUCHARD, Vice President
KRISTINA BREWER, Director
MARCIA MARCUS, Director
BOB NAST, Director

PETER MARTINEZ
General Manager

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Regular Board Meeting, October 12, 2021

To: **Board of Directors**
From: **Peter Martinez, *General Manager***
Subject: **2021 Water and Sewer Master Plan**
Item No. **D-2**

RECOMMENDATION:

Staff recommends the Board to consider and adopt the Channel Islands Beach Community Services District 2021 Water and Sewer Master Plan.

BACKGROUND:

In Fiscal Year 20/21 the Channel Islands Beach Community Services District (District) board authorized $75,000 for completion of a Water and Sewer Master Plan Update. This effort provides updates to previous planning efforts for the District's water and sewer infrastructure, which were completed in 2010 and 2012, respectively. The updated Water and Sewer Master Plan included the following tasks:

- Review of Water Supply and Demand
- Water System Evaluation
- Wastewater System Evaluation
- 5-Year CIP Development

The District selected MKN consultants to complete the Master Plan update due to their experience with the District hydraulic models, understanding of local water supply and qualifications on Master Plan development (40+ master plans completed). The District initiated the update in July 2020 and completed the report in June 2021. The key findings from the report included the following:

- Reduction in buildout water demand from 770 AFY (2010 report) to 625 AFY; this reduction is due to a reduction in per capita residential use and reductions in planned Harbor projects based on recent Infrastructure Reviews completed by the District (Hyatt Hotel).

- Contract supply from PHWA is adequate but entitlements may not be adequate beyond 2035. This is consistent with the 2020 UWMP and 2019 BWRDF Facility Master Plan.

- Water supply performance for max day and peak hour scenarios are adequate, with fire flow deficiencies observed for 33 nodes (6 @ 50% capacity, 18 @ 51 to 80% capacity and 9 @ 81% capacity)

- Wastewater infrastructure is mostly adequate with several areas noted as deficient, including small areas in Silverstrand Beach, near the Ventura County Stormwater Diversion, and Hollywood Beach. The majority of these are believed to be related to limited survey data for sewer inverts with the exception of Silverstrand Beach which will be mitigated by the relocation of Oxnard flows at LS #1.

- A total of $7.88M identified in the recommended 5-year CIP. This amount includes existing CIP projects as well as additional projects to mitigate the observed deficiencies.

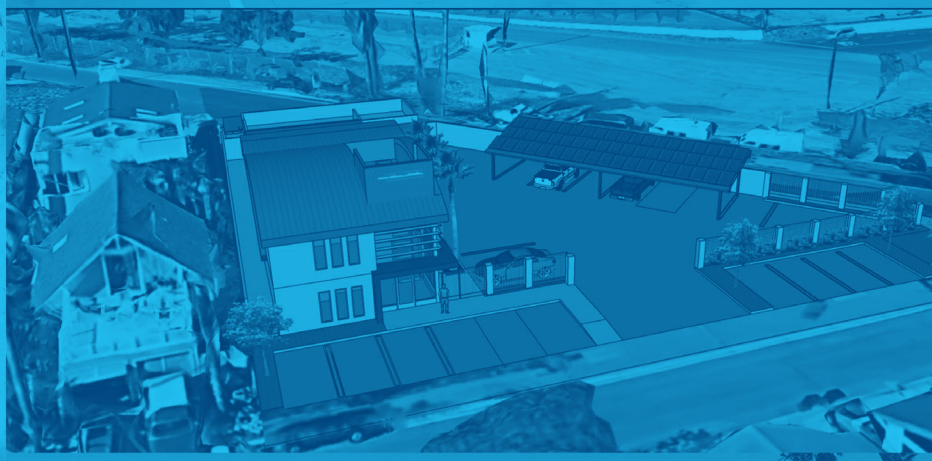
The recommended CIP was modified by District staff and utilized as the basis for the current rate setting process. At this time, staff is recommending the Board consider and adopt the 2021 Water and Sewer Master Plan.

ATTACHMENT:

1) 2021 Water and Sewer Master Plan

CHANNEL ISLANDS BEACH
COMMUNITY SERVICES DISTRICT

Channel Islands Beach
Community Services District



2021 WATER AND SEWER MASTER PLAN

mkn

MKN | 121 NORTH FIR ST., SUITE G | VENTURA, CA 93001 | T 805.947.4971

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

WATER AND SEWER MASTER PLAN UPDATE

JUNE 2021

PREPARED FOR:

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT
353 SANTA MONICA DRIVE
CHANNEL ISLANDS BEACH, CA 93035

PREPARED BY:

MKN
121 N. FIR STREET, UNIT G
VENTURA, CA 93001

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List of Abbreviations

AC	Asbestos cement
ADD	Average Day Demand
ADWF	Average Dry Weather Flow
AF	Acre-feet
AFY	Acre-feet per year
AWWA	American Water Works Association
BSF	Base Sanitary Flow
BWRDF	Brackish Water Reclamation Demonstration Facility
CMWD	Calleguas Municipal Water District
CIP	Capital Improvement Program
COPH	City of Port Hueneme
County	County of Ventura
District	Channel Islands Beach Community Services District
DI	Ductile iron
EAR	Electronic Annual Report
FGGMA	Fox Canyon Groundwater Management Agency
GIS	Geographic Information Systems
GMA	Groundwater Management Agency
GPD	Gallons per day
GSP	Groundwater Sustainability Plan
GWI	Groundwater Infiltration
Harbor	Channel Islands Harbor
I/I	Inflow/Infiltration
MDD	Maximum Day Demand
MGD	Million Gallons per Day
MWD	Metropolitan Water District of Southern California
NF	Nanofiltration
O&M	Operations and Maintenance
PDWF	Peak Dry Weather Flow
PHD	Peak Hour Demand
PHWA	Port Hueneme Water Agency
PVC	Polyvinyl chloride
PWWF	Peak Wet Weather Flow
RDI/I	Rainfall dependent inflow/infiltration
RO	Reverse Osmosis
RTS	Return to Sewer
SGMA	Sustainability Groundwater Management Act
STL	Steel
UWMP	Urban Water Management Plan
USNBVC	United States Naval Base Ventura County
USNAWS	United States Naval Air Weapons Station- Point Mugu
UWCD	United Water Conservation District
USEPA	United States Environmental Protection Agency
VCP	Vitrified Clay Pipe

1.0 INTRODUCTION

1.1 Background

Established in 1982, the Channel Islands Beach Community Services District (District) provides water, sanitation, and refuse collection services to residents within a portion of the City of Oxnard, including Hollywood Beach, Hollywood-by-the-Sea and Silver Strand. This area consists of approximately 535 acres and an estimated population of approximately 5,000 served via 1,900 potable service connections. The District also provides water services to Channel Islands Harbor (Harbor) located in unincorporated Ventura County. The County of Ventura (County) owns and manages the Harbor area. **Figure 3-1**, provided in **Appendix A,** provides an illustration of the service area limits.

1.2 Objectives

The District is seeking to develop a Water and Sewer Master Plan which achieves the following objectives:

1. Estimate future water supply and demand for incorporation in the upcoming Port Hueneme Water Agency (PHWA) Urban Water Management Plan (UWMP) 2020 Update. Identify and quantify potential water supply shortfalls.

2. Update the water and sewer hydraulic models to support future development reviews and assess performance of infrastructure.

3. Identify deficiencies related to performance and age of infrastructure.

4. Develop a 5-year Capital Improvement Project (CIP) plan which can be utilized for the subsequent rate study evaluation.

1.3 Prior and Concurrent Reports

The key documents used in this evaluation include:

1. ***2010 Water Infrastructure Review (Kennedy/Jenks).*** This plan evaluated current and future water supply and demand for the District service area. The effort included development of a water distribution hydraulic model and evaluation of performance deficiencies. This model serves as the basis for the Master Plan Update.

2. ***2012 Wastewater Infrastructure Review (Kennedy/Jenks).*** This plan evaluated wastewater flows in the District service area and adjacent Oxnard service areas which utilize District infrastructure. The effort included development of a sewer collection system hydraulic model and evaluation of performance deficiencies. This model serves as the basis for the Master Plan Update.

3. ***2018 Lift and Pump Station Condition Assessment (KEH).*** The rehabilitation projects identified in this evaluation were reviewed and are integrated into the District's Plan CIP.

4. ***2018 Water Supply Strategic Planning (KEH).*** This workshop process identified short-term and long-term planning options for new water supply to PHWA.

5. ***2019 BWRDF Master Plan (Gannett Fleming).*** This Master Plan includes water supply estimates for PHWA which are used in the water supply assessment for the District. The rehabilitation projects identified for PHWA in the Master Plan are integrated into the District's CIP.

2.0 WATER SUPPLY AND DEMAND

2.1 Water Supply

The focus of this section is to provide an overview of the District's water supply, contractual entitlements, and agency interconnections. An overview of historical and current water demand for each user class is summarized and a projection of future water demand is calculated.

2.1.1 Port Hueneme Water Agency

The District, City of Port Hueneme (COPH), and United States Naval Base Ventura County (USNBVC)[1] formed a joint powers authority, Port Hueneme Water Agency (PHWA), in July 1994 to better manage the sub regional urban water supplies for their customers. It operates as a cost-effective conjunctive use water supply entity, which provides a means to reduce historical sea water intrusion along the coast, enhances fire protection, and improves water quality. The PHWA Board of Directors is composed of three council members from COPH and two directors from the District.

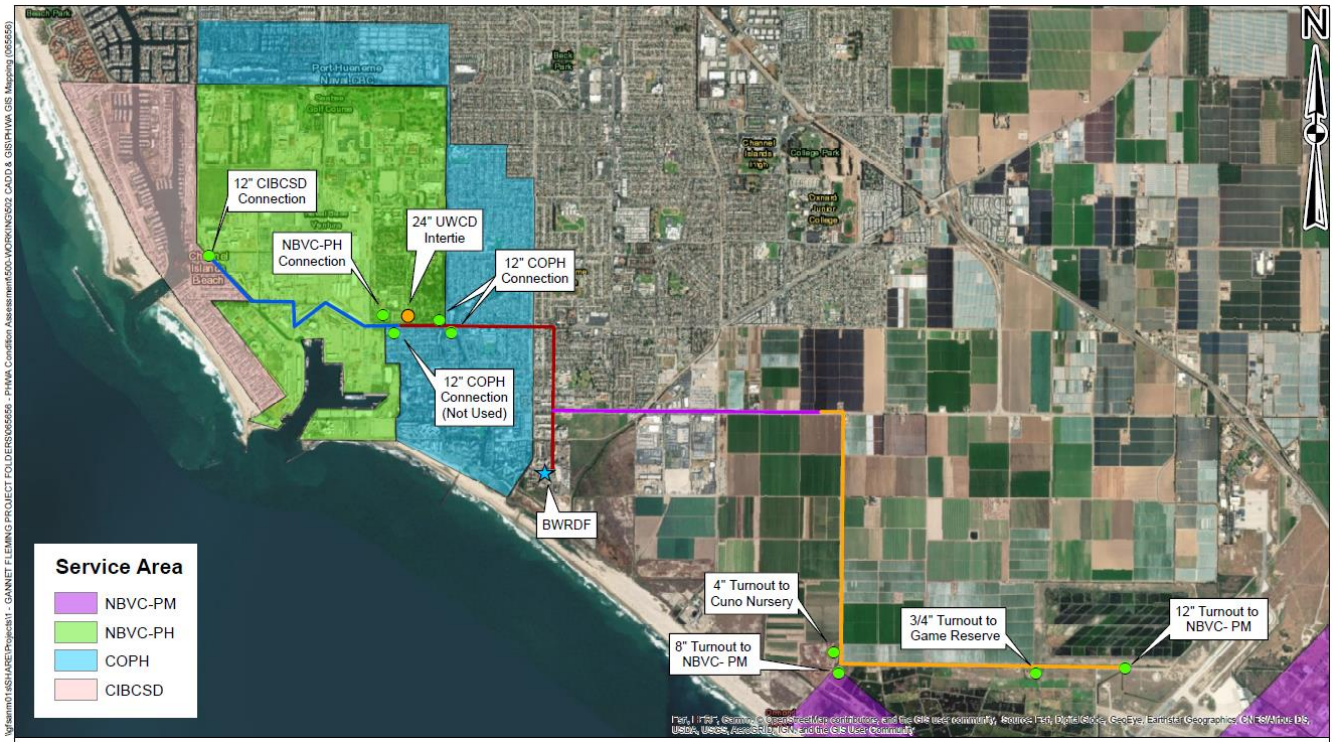
The District currently purchases all water from PHWA in accordance with the 1996 Water Sales Contract (detailed in Section 2.1.4). PHWA supplies its member agencies from a blend of water from United Water Conservation District (UWCD) and Calleguas Municipal Water District (CMWD). The former is filtered at PHWA's Brackish Water Reclamation Demonstration Facility (BWRDF) prior to delivery, and the latter is used primarily for serving peak demands or as backup supply during facility outages. The BWRDF, completed in 1999, was constructed to combat issues with the local groundwater basin, seawater intrusion, and poor groundwater quality.

The BWRDF is located along Perkins Road, immediately north of the City of Oxnard Wastewater Treatment Plant site. The BWRDF is located on land owned by the City of Oxnard as part of a 40-year Land Lease Agreement dated February 13, 1996. The BWRDF includes 3.0 MGD of brackish groundwater desalination capacity, consisting of two different brackish water desalination technologies: reverse osmosis (RO) and nanofiltration (NF) in parallel. The BWRDF blends the filtered UWCD supply with a parallel stream of unfiltered UWCD supply to provide the desired level of water quality.

[1] USNBVC at the time of the PHWA formation were separate bases known as United States Naval Construction Battalion Center – Port Hueneme (USNCBC) and the United States Naval Air Weapons Station-Point Mugu (USNAWS).

Figure 2-1 illustrates the PHWA infrastructure, BWRDF and the District point of connection. The District receives all water from PHWA via the 12-inch Cross Base Pipeline.

Figure 2-1 PHWA Infrastructure and District Connection



Source: Figure 1-1 of PHWA Facility Master Plan (Gannett Fleming, 2019)

In September 2019, PHWA completed a Master Plan to assess necessary maintenance projects for the BWRDF required to sustain operational capability. The Master Plan consisted of a Condition Assessment and a 5-year Capital Improvement Program (CIP), based on operational impact and a water supply assessment.

2.1.2 Calleguas Municipal Water District

PHWA annexed to the state water supply via the Metropolitan Water District of Southern California (MWD) and CMWD in February 1996 through a 40-year agreement that expires in 2036 (referred to as the "Imported Water Service Agreement"). PHWA transferred a state water entitlement of 1,850 AFY to MWD as part of the annexation arrangements. This long-term water transfer arrangement helped the PHWA to economically access the state water system and ensure adequate quantity and quality of water to the District. To accommodate delivery of state water to PHWA through City of Oxnard owned transmission pipelines (Oxnard Conduit and Industrial Lateral), the "Three-Party Water Supply Agreement was signed in March 2003, by the City of Oxnard, CMWD and PHWA.

As part of the agreement, a portion of the City of Oxnard's CMWD Tier 1 reservation is reserved for PHWA. The PHWA allocation is 3,262.5 AFY out of a total Tier 1 allocation of 17,379.4 AF. PHWA also has a contractual capacity reservation of 2.5 cfs (instantaneous demand).

2.1.3 United Water Conservation District

UWCD diverts Santa Clara River water at the Vern Freeman Diversion Dam southeast of Saticoy. A portion of the water UWCD diverts is delivered to agricultural irrigators on the Oxnard Plain, and the balance is delivered to the Saticoy and El Rio Spreading Grounds. Water percolated in these spreading basins recharges the Forebay to the Oxnard Plain. UWCD currently utilizes twelve (12) wells at its El Rio Wellfield to extract the percolated water and deliver it to contractors on the Oxnard-Hueneme (O-H) Pipeline system, referred to as the O-H Pipeline, including PHWA. Of the twelve (12) wells, three (3) extract water from the Lower Aquifer System (LAS), and the remaining nine(9) extract water from the Upper Aquifer System (UAS). The El Rio Wellfield has sufficient active pumping capacity to supply the peak O-H Pipeline capacity of 53.0 cubic feet per second (cfs), with a contractual limitation of 22.25 cfs set for PHWA. Water extracted by these wells is delivered to the El Rio Pumping Station, disinfected, and pumped through a 12-mile transmission main, referred to as the O-H Pipeline, to each of the O-H contractors. UWCD built the O-H system in 1954 to move municipal groundwater extraction away from the coastal areas subject to seawater intrusion.

In July 1996, PHWA negotiated a new 40-year agreement with UWCD ("Water Supply Agreement") on behalf of the District to improve the quality of the water supplied by UWCD to PHWA's BWRDF. Even though UWCD groundwater is considered potable, it has elevated TDS (approximately 1,000 ppm) and hardness (500 ppm). The PHWA established a water quality improvement goal of 370 ppm TDS and 150 ppm hardness which will help ensure compliance with future federal and state water quality standards.

The groundwater pumped by UWCD at its El Rio Wellfield and delivered to O-H Pipeline contractors is regulated by the Fox Canyon Groundwater Management Agency (FCGMA) which, pursuant to its enabling legislation, manages both confined and unconfined aquifers within all or portions of four groundwater basins underlying the southern portion of Ventura County. The FCGMA completed a Groundwater Sustainability Plan (GSP) in December 2019, in compliance of the 2014 Sustainable Groundwater Management Act (SGMA; California Water Code, Section 10720 et seq.). Pursuant to this effort and to achieve sustainable management of the groundwater basins, the FCGMA adopted an Ordinance to Establish an Allocation System for the Oxnard and Pleasant Valley Groundwater Basins on October 23, 2019 (OPV Allocation Ordinance).

The OPV Allocation Ordinance imposes initial extraction allocations on all groundwater extractors operating well facilities located within the OPV Basin boundaries. The new pumping allocations went into effect on October 1, 2020 and are based on a demand period of 2005 through 2014 (known as "Base Period"). The pumping allocations will be subject to ramp-down reductions in the future, over the 20-year GSP implementation horizon, as FCGMA seeks to bring the OPV Basins under sustainable management.

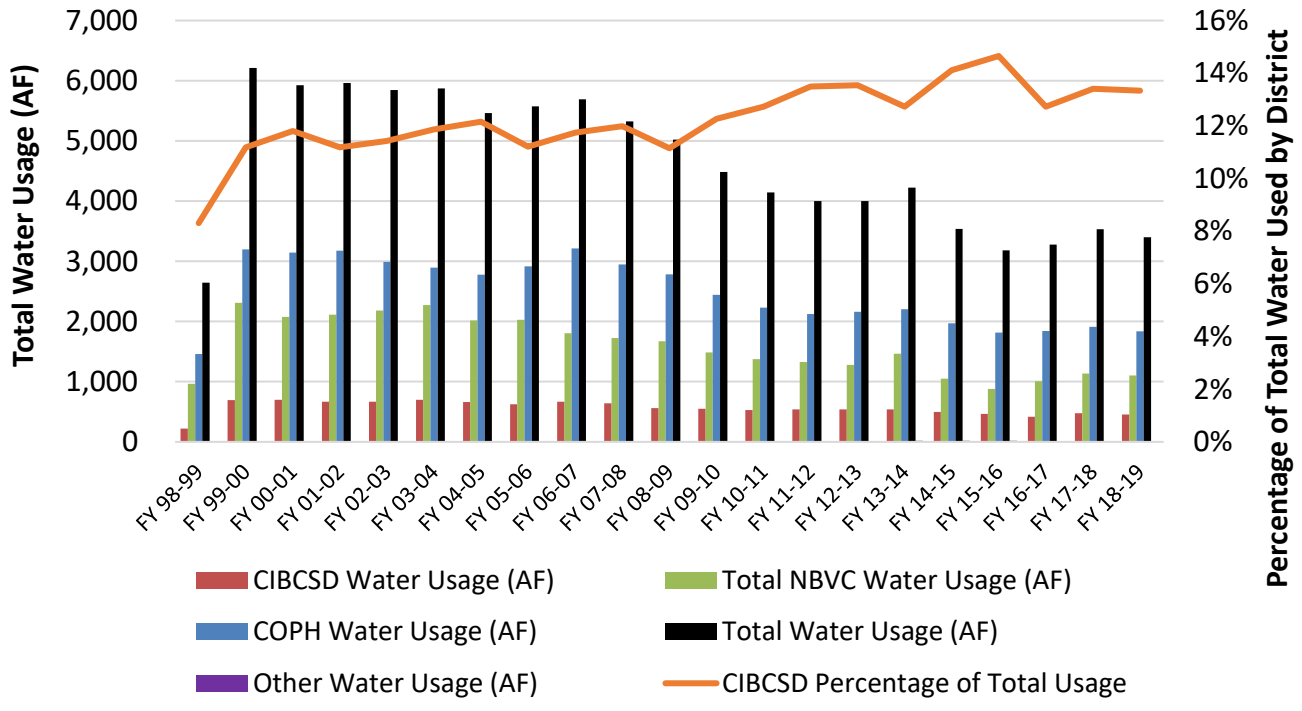
Pursuant to the OPV Allocation Ordinance, UWCD holds an initial extraction of 14,336.56 AFY for use exclusively on its O-H Pipeline system. This means UWCD can pump free of surcharge up to 14,336.56 AFY for

delivery to its O-H Pipeline contractors until such time as FCGMA adopts a program for implementing future ramp-down reductions. UWCD holds this allocation in trust for PHWA and the other O-H Pipeline contractors, each contractor being entitled to a portion of the available supply, referred to as "sub-allocation". PHWA's sub-allocation has been determined to be 3,952 AFY, after adjusting for three percent line loss/flush. This number is expected to increase to 4,076.3 AFY, pending approval of the variance request that PHWA and UWCD jointly submitted to FCGMA in June 2020. However, similar to UWCD's initial allocation of 14,336.56 AFY, PHWA's expected sub-allocation of 4,076.3 AFY will be subject to future ramp-down reductions over the 20-year GSP implementation horizon, as FCGMA seeks to bring extractions from the OPV Basins into balance with sustainable yield. While the phasing program and associated schedule of ramp-down reductions are currently unknown (i.e., have yet to be adopted by FCGMA), UWCD assumes for planning purposes that FCGMA will impose a uniform 2.6% reduction in available allocations each year until the sustainability goal set forth in the GSP is reached in 2040.

2.1.4 District Entitlements

Per Amendment No. 2 (June 2000) to the Agreement for Formation of the Joint Powers Agency (Port Hueneme Water Agency), the District's PHWA capacity rights are apportioned between the PHWA members in accordance with the Final Cost Allocation (Willdan, 2000). The Final Cost Allocation assigns a total cost allocation to the District of 23.4 percent. This calculation reflects the consolidation of multiple sub cost allocations, which includes a cost allocation for the BWRDF. The sub cost allocation noted for the BWRDF is identified as 15 percent. The historical water use, as a percentage of total PHWA member use is illustrated in **Figure 2-2**.

Figure 2-2 District and PHWA Historical Demand FY 98/99 to FY 18/19



The District's estimated use during the Base Period (2005 through 2014) is approximately 12 percent which equates to approximately 489 AF of the PHWA expected sub-allocation. As such, the range of assumed apportionment of future District water supply from PHWA is 12 to 23.4%. For planning purposes, the more conservative value of 12 percent is assumed to be the minimum available supply. **Table 2-1** summarizes total entitlement inclusive of both groundwater and imported water.

Table 2-1 District Entitlement Summary

Period	Extraction Reduction Percentage[a]	Gross Groundwater (AF) Allocation[b]	CMWD Imported Water Entitlement (AF)[c]	Total Entitlements (AF)	Total Entitlement (AF) less Brine Losses[d]
2020	100%	489	250	739	666
2025	87%	425	250	675	612
2030	74%	362	250	612	558
2035	61%	298	250	548	504
2040	48%	235	250	485	450

Notes:

(a) UWCD assumes for planning purposes that FCGMA will impose a uniform 2.6% reduction in available allocations each year until the sustainability goal set forth in the GSP is reached in 2040.
(b) Initial allocation based on 12% of PHWA sub-allocation. This is a conservative value, as the Final Cost Allocation notes up to 23.4% of capacity.
(c) CIBCSD has a State Water Entitlement of 250 AFY per Section 7.4 of the PHWA Water Quality Improvement Program (Kennedy/Jenks, 1994).
(d) Brine loss is assumed to be 15 percent as the membrane systems operate at an 80 percent recovery and are then blended with unfiltered UWCD supply. The reduction only applies to groundwater allocation.

2.1.5 Channel Islands Harbor – Water Service Agreement

In 1963, the predecessor to the District, the Oxnard Beach County water District, entered into an agreement to provide water services to the Channel Islands Harbor (Harbor) customers. After this original agreement the District served the Harbor customers water demand utilizing the District's lower aquifer system wells. Upon formation of the PHWA and development of the BWRDF, a new water service agreement was executed in April 1996 and serves as the current basis for water delivery to the Harbor. The Water Service Agreement between the County of Ventura (County) and the District requires the District to provide the Harbor with up to 465 AFY of the District's capacity in the PHWA Sub regional Water Supply Project to meet the demands within the Channel Islands Harbor.

The current agreement has a 25-year term which is due in October 2021 and includes automatic renewal and extension for 10 years unless termination is mutually agreed upon. Termination requires a written mutual agreement of the parties. The County can terminate the agreement at any time (1) during the Initial Term upon one-year advance written notice to District or (2) during any Subsequent Term upon one (1) year advance written notice to the District, in each event. If the agreement expires or is terminated, the District must reconvey to the County all of the water system facilities within the Harbor existing at the time of expiration or termination.

2.1.6 Emergency Interconnects

The water distribution systems for the District, the City of Port Hueneme, and USNBVC were interconnected with the City of Oxnard's system in December 1996. This arrangement was made between CMWD and the City of Oxnard to provide interim state water to the PHWA prior to the completion of the new PHWA facilities. The District maintains a separate emergency water interconnection with the City of Port Hueneme, in place prior to this agreement. These regional water distribution system interconnections may prove advantageous in the event of an emergency supply shortage or outage in the area and could serve to supplement fire flow needs.

The District has three emergency interconnects, which are summarized as follows:

1. City of Oxnard
    a. 8-inch PVC pipe near the Southwest corner of the Channel Islands Boulevard and Victoria Avenue intersection set at 60 psi.
    b. 12-inch DIP pipe located at the intersection of Channel Islands Boulevard and Harbor Boulevard set at 60 psi.
2. Port Hueneme: 12-inch AC line at the Southeast corner of the Channel Islands Boulevard and Victoria Avenue intersection set at 62 psi.

These emergency connections are regulated by pressure sustaining valves that open based on the current backpressure maintained in the system. The District's distribution system design criteria is set at 75 psi and the emergency valves will open when the backpressure is reduced to below 62 psi for the Port Hueneme connection and below 60 psi for the two Oxnard connections. Reference **Figure 4-1**, provided in Appendix A, for the District's service area and distribution system.

2.1.7 Contract Summary

Table 2-2 summarizes the District's key entitlements, water supply, and delivery contracts.

Table 2-2 District Contract Reference Summary

Contract Reference	Contract Start Date	Contract End Date	Entities Involved	Section Reference
Imported Water Sales Agreement	February 1996	Feb 2036	PHWA and CMWD	Section 2.1.2
Water Supply Agreement	July 1996	Jul 2036	PHWA and UWCD	Section 2.1.3
Water Sales Contract	May 1996	May 2036	PHWA and District	Section 2.1.4
Water Sales Agreement (Harbor)	April 1996	Oct 2021	County and District	Section 2.1.5

2.2 Water Demand

2.2.1 Historical

As of 2021, the District has approximately 1,866 accounts in its service area, all of which are metered. **Table 2-3** summaries the current number of metered accounts for the District by water sector. The principal water sectors include (1) single-family residential, (2) multi-family residential and (3) commercial/institutional.

Table 2-3 Existing Number of Accounts

Type of Account	Total Number of Accounts
Single-family Residential	1,633
Multi-family Residential	122
Commercial/Industrial	80
Landscape Irrigation	31
Agricultural	-
Other	-
Total	**1,866**

Source: 2019 EAR provided by District.

Table 2-4 provides a summary of annual water demands for the period 2013 to 2019.

Table 2-4 Historical Water Demand by Customer Type

Customer Type	2013	2014	2015	2016	2017	2018	2019
Single-family Residential	260	248	225	216	220	245	191
Multi-family Residential	35	34	33	37	51	142	95
Commercial/Industrial[(b)]	197	180	159	156	97	87	82
Landscape Irrigation	31	31	24	26	32	30	25
Agricultural	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total[(c)]	**523**	**492**	**442**	**435**	**399**	**504[(d)]**	**394**

Notes:
(a) Source: 2013-2019 EAR provided by District.
(b) Commercial/Institutional land use type also assumes industrial/governance land use type.
(c) Assumes that value does not include unaccounted for water. Unaccounted-for water loss within the distribution system is estimated to be 0 percent (0 AF in 2018) of the total District demand.
(d) AMI system installed in 2018.

The data shows that District water demand decreased from a high of 523 AF in 2013 to its recent low of 394 AF in 2019. In general, **Table 2-4** indicates a trend of decreasing water demand over the evaluated time period, which is consistent with the trend evaluated in the previous Master Plan. For the previous evaluation (1995-2008) a decrease in water demand from a high of 828 AF in 1997 to a low of 587 AF in 2008 is demonstrated. The only outlier in this most current dataset is 2018 which shows a momentary increase. This may be due to the installation of new water meters. Since older meters are less accurate, the new meters may have captured

water previously identified as “Unaccounted-For Water”. The return to a lower value in 2019 could be due to changing customer habits in response to the higher water bills of 2018.

Explanations for the overall decrease are multifold and include periods of prolonged drought, coupled with regulatory cutbacks on imported water supplies, new regulations affecting water conservation, and pace of development/redevelopment.

2.2.2 Unaccounted-For Water

In addition to the traditional demand sources, there is another component that impacts the District’s water resources known as “Unaccounted-For Water.” This component is typically defined as the difference between water production and water sales. These water losses can come from authorized, but unmetered sources such as firefighting and main flushing, or unauthorized sources such as leakage, illegal connections, and inaccurate flow meters.

Estimates from USEPA Region 9 indicate an average of 5 percent unaccounted-for water, while California Department of Water Resources, Office of Water Conservation uses 9.5 percent for long-range planning of municipal water production. For planning purposes, a goal of 10 percent unaccounted-for water percentage is recommended.

2.2.3 Future

Estimating future water demand is a function of several factors. Water usage is influenced by geographic location, topography, land use, demographics, and water system characteristics (i.e., system pressures, water quality, and metering of connections). Therefore, water demand characteristics within the District will differ from water demands of other areas in southern California according to each of the factors listed previously.

For this analysis, future demand is based on maximization of each land use type. The ultimate land use map provided as **Figure 4-6** (**Appendix A**) is based on the map established in the previous Master Plan. The summary of land use types and corresponding area-based demand factors is provided in **Table 2-5**.

Table 2-5 Existing District Land Use Demands

Land Use Type	Avg Daily Demand (gpd/acre)	Land Area (acre)	Annual Demand (AFY)	Demand Justification
Multi-Family Residential	2,855	45	144	Apartments on Peninsula Road based on 25 acres.
Visitor Serving Boating	77	89	8	Vintage Marina (03600-01) based on 9 acres.
Visitor Service Non-Boating Dependent	198	6	1	Kiddie's Beach Restroom (02770-01) based on 0.3 acres
Boating Dependent Industrial	160	10	2	Bellport Marine Yard (02010-02) based on 5.5-acre land
Visitor Serving Harbor Oriented - *General*	2,204	17	42	Whales Tail (13940-01) based on CIBCSD Infrastructure Review (Kennedy/Jenks 2010)
Visitor Serving Harbor Oriented - *Hyatt Hotel/Yacht Marina*	2,496	12	34	Average daily demand of 20.8 gpm from Hyatt Hotel and Anchorage Yacht Marina Hydraulic Modeling (2019)
Parking/Landscaping	490	23	13	County Irrigation Sprinklers (04740-01) based on CIBCSD Infrastructure Review (Kennedy/Jenks 2010)
Launch Ramp	550	8	5	Launch Ramp Victoria (04690-01) based on CIBCSD Infrastructure Review (Kennedy/Jenks 2010)
Mixed Use – Low	3,000	5	17	This Land Use type does not exist in the District service area; maintain value from 2010 Infrastructure Review.
Mixed Use- High *(Fisherman's Wharf)*	12,126	7	95	An average daily demand of 80 gpm was used from Fisherman's Wharf Development Hydraulic Modeling (2019)
School	1,080	5	6	Hollywood Beach School (20971-01C) based on 5-acre land
Residential	1,980	101	224	An average demand of 119 gpd (2019) was used in conjunction with an average calculated area of 0.06 acres.
Commercial	2,714	3	9	An average demand of 162 gpd (2019) was used in conjunction with an assumed area of 0.06 acres.
Park	3,125	7	25	A standard 3.5 AFY/acre was assumed for the park area.
	Total	**338**	**625**	

Based on **Table 2-5** the future buildout for the District service area is calculated to be 625 AFY, not including Unaccounted-For-Water. This represents a decrease from the 770 AFY buildout demand calculated in the 2010 Master Plan. This reduction is mainly driven by unit demand for residential which decreased from 152 gpd to 119 gpd, which corresponds to 115 AFY. Other significant changes include a *reduction* in Visitor Serving Harbor Oriented (78 AFY) and an *increase* in Mixed Use – High (56 AFY) which represents the Fisherman's Wharf Development.

This future buildout was assumed to occur at the end of our planning horizon (2040) and will build incrementally over the 20-year period. This information is provided as **Table 2-6**.

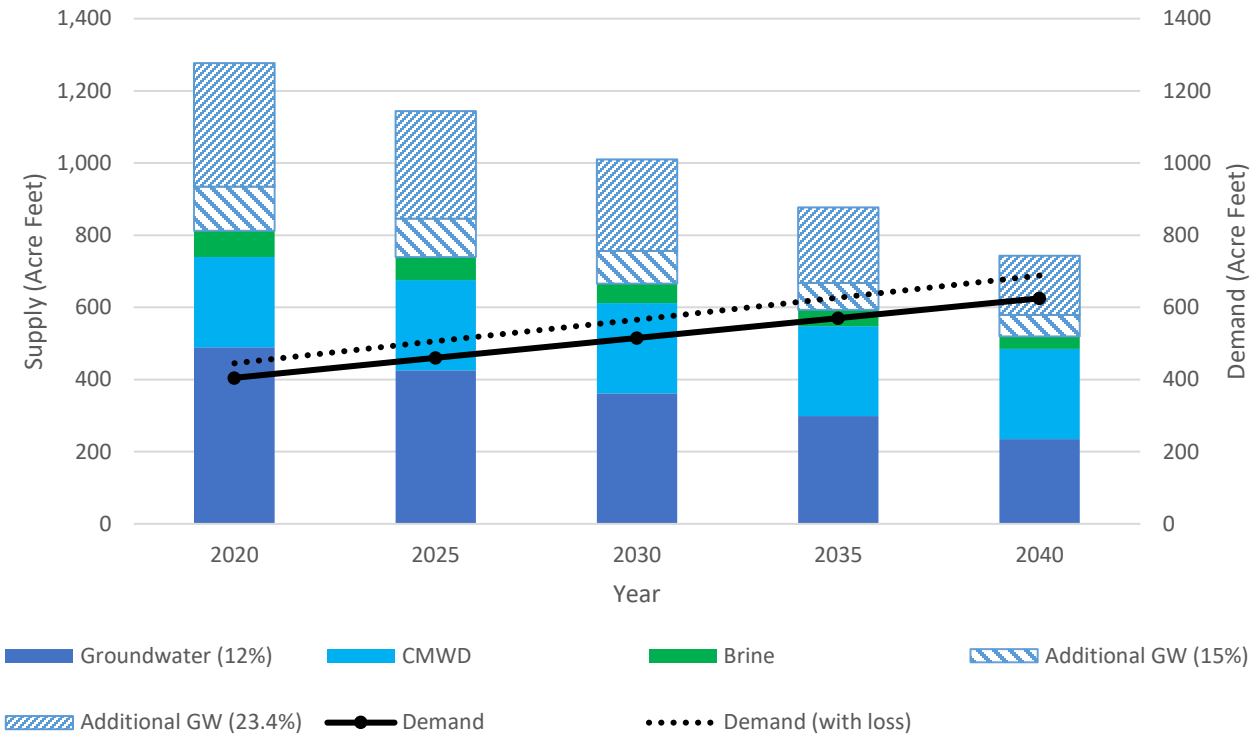
Table 2-6 Projected District Water Demands (AF)

Customer Type	Current (2019)[a]	2020	2025	2030	2035	2040
Single-family Residential	191	193	200	208	216	224
Multi-family Residential	95	97	109	121	132	144
Commercial/Industrial[b]	82	89	121	153	186	219
Landscape Irrigation[c]	25	26	29	32	34	38
Agricultural	0	0	0	0	0	0
Other	0	0	0	0	0	0
Subtotal Demand	394	405	459	514	569	625
Unaccounted-for-water[d]	39	40	46	51	57	63
Total Demand	433	445	505	565	626	688

Notes:
(a) Source: 2019 EAR provided by CIBCSD (Totals rounded to the nearest 1 AF)
(b) Commercial/Industrial includes the following Land Use Types noted in Table 3-6: Visitor Serving Boating, Visitor Serving Non-Boating Dependent, Boating Dependent Industrial, Visitor Serving harbor Oriented, Launch Ramp, Mixed Use-Low, Mixed Use-High, School and Commercial.
(c) Landscape/Irrigation includes the following Land Use Types noted in Table 3-6: Parking/Landscaping and Park.
(d) Unaccounted-for water is assumed to be 10 percent of delivered demand.

Comparing the available supply detailed in **Table 2-2** and the estimated demands provided in **Table 2-6**, an analysis of potential water supply shortfall can be identified. **Figure 2-3** presents the three data sets.

Figure 2-3 Projected District Water Demands (AF)



The following observations are provided based on projected District demands and water supply:

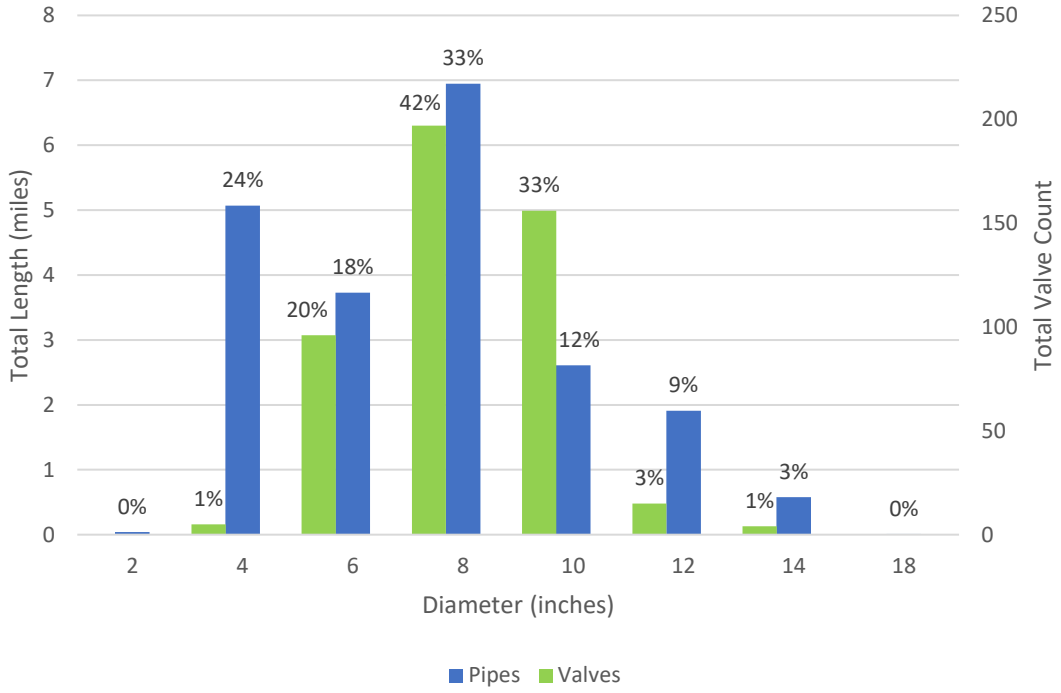
- **Groundwater Supply.** The base groundwater supply assumes a conservative estimate of 12 percent based on historical usage, while the contractual capacity from PHWA is understood to be as high as 15 to 23.4 percent (Section 2.1.4). The additional groundwater from these higher allotments is separated to illustrate the impact of this additional supply.
- **Brine Loss.** The brine loss at the BWRDF is estimated and included to demonstrate the impact this water could have should PHWA convert to blending in lieu of current operation. For normal operation, this water is not available to meet demand.
- **Supply Adequate through 2030.** Total entitlements are adequate to meet the calculated future buildout through 2030. Beyond 2030, increased demands would require utilization of the noted contractual PHWA capacity.
- **Changing Supply Mix.** As demands increase and groundwater supply diminishes, the percentage of imported water use to groundwater would essentially be reversed. This may have impacts to cost and reliability. However, since most of the flow would be higher quality imported water, it may be possible to operate the BWRDF strictly as a blending facility without operating the membrane systems. This would reduce operating and capital costs which may offset the higher cost of water.

3.0 WATER SYSTEM EVALUATION

3.1 Existing Water System

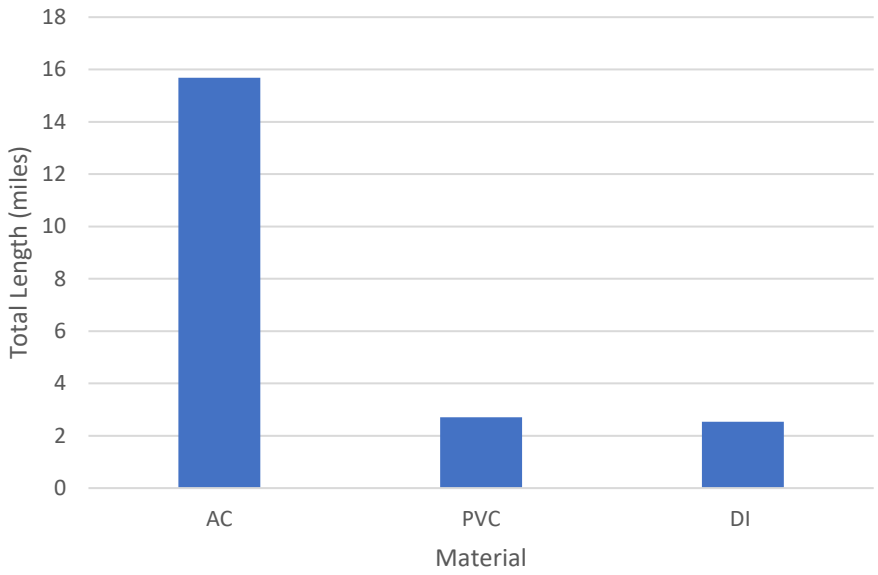
The existing water system contains approximately 17.5 miles of active pipelines ranging in size from four (4) inches to twelve (12) inches, as seen in **Figure 3-1** in **Appendix A**. There are 167 fire hydrants in the District's system and 466 valves. The distribution of pipes and valve sizes is shown in **Figure 3-2**.

Figure 3-2 Total Pipeline Length and Valve Distribution by Size



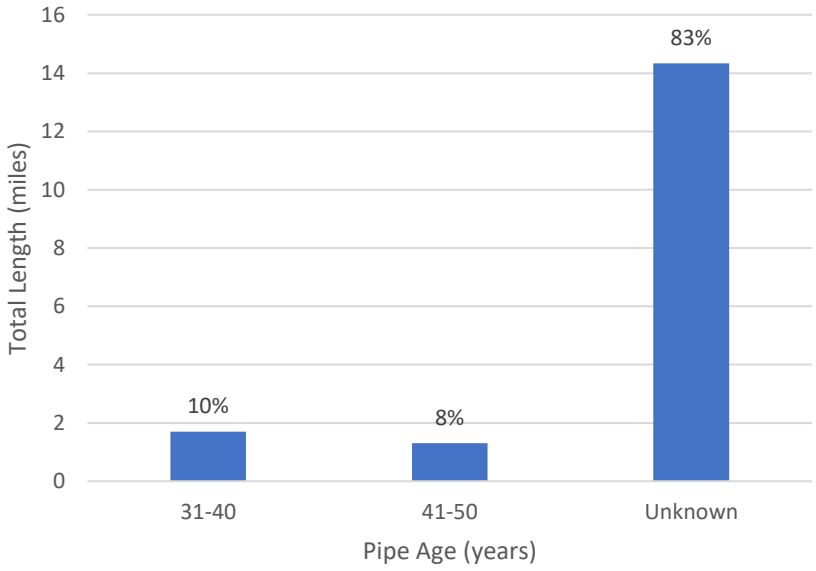
The majority of pipelines are eight (8) inches in diameter. The distribution system consists of three materials: asbestos cement (AC), polyvinyl chloride (PVC), and ductile iron pipe (DI) as shown in **Figure 3-3**.

Figure 3-3 Total Pipeline Length Distribution by Material



The distribution based on pipe age is shown in **Figure 3-4**.

Figure 3-4 Total Pipeline Length Distribution by Age



It is unknown when the majority of the pipelines were installed based on GIS information. However, approximately 20% of the pipelines are known to be 30-50 years in age. Based on review of publicly available information, the residential areas within the District's service area were built as early as 1953, with the majority of homes being built in the 1970s-1980s. Based on this assessment, the unknown pipelines are assumed to be in the 30-50 year age range.

The District has maintained a record of pipe breaks in the distribution system for the past 20 years, which are summarized in **Table 3-1**

Table 3-1 CIBCSD Water Pipe Break History

Figure Reference	Water Main ID	Main Street	Year	Main Size (inches)	Length (feet)
1	WM0155	Van Nuys Ave	2000	4	540
2	WM0142	Ocean Dr	2006	6	340
3	WM0043	Hollywood Blvd	2006	4	740
4	WM0295	Ocean Dr	2008	8	750
5	WM0185	Ventura Ave	2008	4	480
6	WM0142	Ocean Dr	2010	4	340
7	Entire Street	Oxnard Ave	2012	4	480
8	Entire Street	Hueneme Ave	2012	4	430
9	Entire Street	Island View Ave	2013	8	3690
10	WM0186	Ocean Dr	2013	4	710
11	WM0059	Highland Dr	2014	8	1140
12	WM0212	Sunset Ln	2014	6	560
13	WM0025	Sunset Ln	2014	6	540
14	WM0025	Sunset Ln	2015	6	630
15	WM0182	Ocean Dr	2018	4	910
16	WM0296	Sunset Ln	2018	6	1080
17	WM0299	Ocean Dr	Unknown	8	740

Figure 3-5 in **Appendix A** shows the locations of these pipe breaks. The southeast portion of the District's system has experienced the majority of the pipe breaks in the system. The "Pipe Break Areas of Concern", identified on **Figure 3-5**, were noted by the District and reflect pipes with multiple breaks.

3.2 Peaking Factors

For purposes of updating the hydraulic model, it is necessary to establish three general demand values: Average Day Demand (ADD), Maximum Day Demand (MDD) and Peak Hour Demand (PHD). These demands capture the range of potable water demand, which varies across the day and year. The first value, ADD, was calculated using monthly water production data from 2015 to 2019. The study period for calculating demands and peaking factors is 2017 to 2019. The results of this data summary are provided as **Table 3-2**.

Table 3-2 2015-2019 Average Daily Demand (ADD)

Month	2015	2016	2017	2018	2019	Average 2017-2019
January	38	29	23	36	34	**31**
February	34	36	23	35	29	**29**
March	40	35	29	37	34	**33**
April	39	39	26	34	36	**32**
May	43	41	41	40	36	**39**
June	40	40	42	**46**	40	**42**
July	**47**	**51**	**46**	45	**42**	**45**
August	41	48	43	45	38	**42**
September	40	39	44	41	41	**42**
October	41	32	43	38	36	**39**
November	36	29	42	42	37	**40**
December	42	32	40	35	30	**35**
Annual Total (AF)	**481**	**451**	**442**	**474**	**433**	**449**
Average Day Demand (gpm)	**298**	**279**	**274**	**294**	**268**	**279**

Notes:
(a) Source: PHWA Pipeline Water Usage by Month (CIBCSD only)
(b) Bold months indicate maximum month for the year.

In 2010, the average day demand was 363 gpm, which is significantly higher than the 2017-2019 average of 279 gpm. With the exception of 2018, peak monthly demands (shown in bold) occur in July for this five-year period. **Figure 3-6** shows monthly water production values in comparison to the three-year average (2017-2019).

Figure 3-6 2015-2019 Monthly Water Production

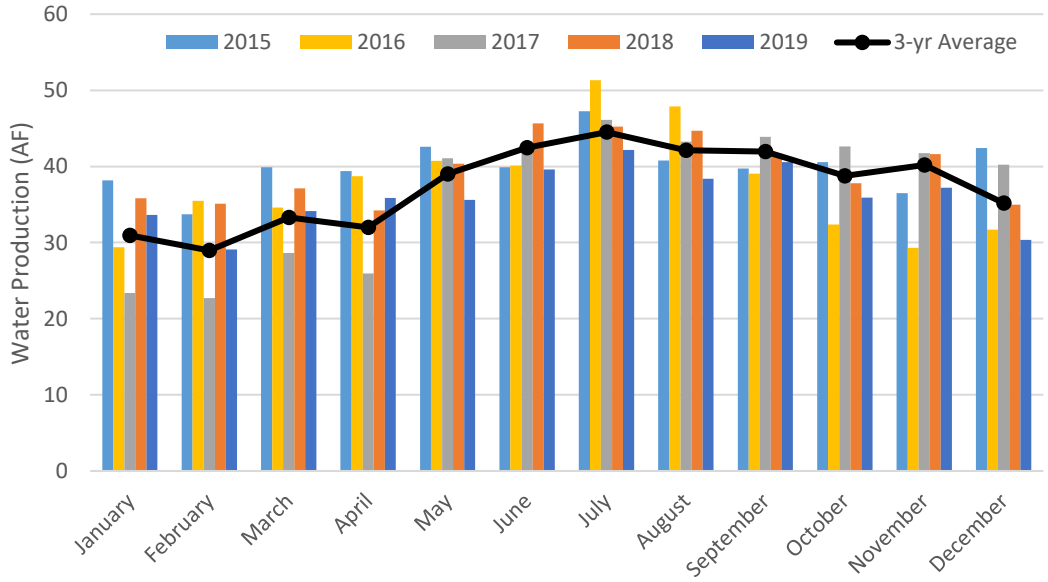


Figure 3-6 illustrates that the demand generally increases in the summer months and the variance from the average increases in the winter months.

The second factor to calculate is MDD, which is defined as the ratio between maximum day demand and the average daily demand. The maximum day demand was calculated by dividing the maximum month demand by the number of days in that month. This was necessary, as the District did not have access to more granular daily demand from the PHWA main service connection.

Table 3-3 summarizes the MDD factors for 2017-2019. In 2017 and 2019, the maximum month demand was in July and in 2018, the maximum month demand was in June.

Table 3-3 Maximum Daily Demand (MDD) Factors

Year	Average Day Demand (gpm)	Maximum Day Demand (gpm)	MDD Factor
2017	274	337	1.2
2018	294	344	1.2
2019	268	308	1.1
Average	**279**	**330**	**1.2**

The MDD factor calculated in the 2010 Infrastructure Review was 1.3, which is slightly greater than the 2017-2019 average. This minor reduction may be due to the use of a calculated daily demand instead of an actual value.

The PHD factor is defined as the ratio of peak hour flow to average daily demand. While the PHWA main service is unable to provide daily demand volumes, it does provide graphical data of instantaneous District demand. The PHWA main service flow data was provided by the District from the peak day in 2018 and 2019 (both were July 4th); 2017 data was unavailable. The peak demand was estimated from the data and used to calculate the PHD factor which is summarized in Table 3-4.

Table 3-4 Peak Hour Demand (PHD) Factors

Year	Average Day Demand (gpm)	Peak Daily Flow (gpm)	Peak Hour Demand Factor
2018	294	700	2.4
2019	268	630	2.4
Average	**281**	**665**	**2.4**

The PHD factor determined in the 2010 Infrastructure Review was 1.8 which is considerably lower than the current PHD factor of 2.4. The peak daily flow in 2010 was 653 gpm, which is in the same range as the 2018-2019 values. This means that while average day demand has decreased over the past 10 years, peak demand has remained consistent. As such, the PHD factor variation is due to the decrease in average daily demand and not the increase in actual peak hour demand.

3.3 Design Criteria

The design criteria will consist of performance requirements for distribution system pressure, velocity, head loss, and fire flow. The water service pressure requirements are as follows:

- Minimum allowable pressure at peak hour demand: 50 psi
- Minimum residual pressure at maximum day with fire flow: 20 psi
- Maximum allowable service pressure (without service lateral pressure regulator): 80 psi

To avoid excessive velocity and head loss within the distribution system, the following pipeline design criteria is also recommended:

- Maximum allowable velocity at maximum day with fire flow: 10 ft/s
- Maximum allowable head loss: 10 ft/1,000 ft
- Hazen-Williams C factor: 130

The District's potable water service area is covered by two fire departments. The areas within the City of Oxnard (City) are provided fire protection services by the City of Oxnard Fire Department. This area includes the areas surrounding the Channel Islands Harbor. The Oxnard Fire Department's fire flow criteria is summarized in Table 3-5.

Table 3-5 City of Oxnard Fire Flow Requirements at 20 psi

Land Use Type	Flow (gpm)
Single Family 1	1,500
Single Family 2	2,500
General Commercial	2,500
Heavy Commercial	3,500
Multi-Family	3,000
Commercial	4,500
Industrial	4,500
Manufacturing	4,500

Note:
(a) Source: Oxnard Fire Department

The Oxnard Fire Department also requires all new hydrants to be six (6) inch wet barrel with National Standard Thread, NST outlets.

The Ventura County Fire Department serves the balance of the District service area, which includes the mostly residential areas surrounding Silver Strand Beach and Hollywood Beach. **Table 3-6** summarizes the Ventura County Fire Protection District's fire flow requirements per Fire Prevention Standard 14.5.2.

Table 3-6 Ventura County Fire Flow Requirements at 20 psi

Land Use Type	Flow (gpm)
Single Family Dwellings[(a)]	1,000
Multi-Family[(b)]	3,000
Commercial[(b)]	3,000
Industrial[(b)]	3,000

Notes:
(a) Per Fire Prevention Standard 14.5.2 Section 2
(b) Per Fire Prevention Standard 14.5.2 Table B105.1. (Assuming Type 1A and 1B construction, 70,901-83,700 sq. ft.)

Similar to the Oxnard Fire Department Standards, the Ventura County Fire Department also requires all hydrants to be six (6) inch wet barrel hydrants. The number and size of outlets vary based on fire flow.

3.4 Hydraulic Model Update

The District's hydraulic model, prepared in Bentley's WaterCAD as part of the 2010 Infrastructure Review, was utilized as the base for the hydraulic modeling effort. This model was updated to include new pipeline information or remove unused/abandoned pipelines. Pipeline material, diameter, and Hazen Williams C-factors, along with junction elevations in the model were updated based on GIS database and the Water Atlas. Fire flow demands were not changed in the model, as minimum flow standards have not changed since the 2010 Infrastructure Review.

The magnitude and location of existing demands were updated based on 2019 billing data. Each water demand has an associated address, which was assigned to a model junction using the nearest pipe method. This method assigns the demand to the nearest pipe, and then distributes this data to the closest node along that pipe length. The demands were scaled to match the average day demand in Section 2.2. Ultimate demands were assigned in a similar fashion, using parcel data to assign demands to the closest node. To calculate the demand at each location for the ultimate scenario, a land-use type was assigned to each parcel and the total area was multiplied by the associated land use factor in **Table 2-6**. The land-use at each parcel is shown in **Figure 3-7** in **Appendix A.**

3.5 Current System Performance

The updated hydraulic model was analyzed for current average day demand, max day demand, and peak hour demand conditions. A summary of the results is shown in **Table 3-7**.

Table 3-7 Current System Hydraulic Modeling Results

Scenario	Description	System Demand (GPM)	Pressures (PSI)	Pipeline Velocities (FPS)
1	Existing ADD	268	72-82	0-1.71
2	Existing MDD	349	72-82	0-2.22
3	Existing PHD	644	71-81	0-4.11

The hydraulic modeling pressure output for Scenarios 2 and 3 are illustrated in **Figure 3-8** in **Appendix A**. As demonstrated by **Table 3-7** the current system can deliver adequate velocity and pressure, as defined by the design criteria in Section 3.3. While the maximum pressure is shown to slightly exceed the maximum allowable pressure without a regulation device, this is assumed to not be of concern as this reflects the current situation and no issues have been reported nor is this a significant variance.

The results demonstrate that head loss across the system is minimal and the reduction in service pressure is marginal between average day and peak hour demand scenarios. The final analysis conducted was for maximum day plus fire flow demands. This scenario yielded deficient nodes at locations shown in **Table 4-8**. During fire flow conditions, the 12-inch emergency Oxnard connection at Channel Islands Blvd and Harbor Blvd opens, *reducing fire flow deficiencies drastically*. The deficient fire flow nodes shown in **Table 3-8** correspond to the fire flow scenario in **Figure 3-8** in **Appendix A**.

Table 3-8 Existing Deficiencies

Deficiency	Street	Required (gpm)	% of Required	Comment
J-132	Channel Islands Blvd and S Harbor Blvd	2,500	10%	Dead End Pipeline
J-114	Channel Islands Blvd and S Harbor Blvd	2,500	11%	Dead End Pipeline
J-115	Channel Islands Blvd and S Harbor Blvd	2,500	11%	Dead End Pipeline
J-137	Santa Monica Ave	1,000	16%	Distance from Supply
J-129	Channel Islands Blvd and S Harbor Blvd	2,500	20%	Dead End Pipeline
J-116	South Harbor Blvd and Ocean Dr Intersection	2,500	48%	Dead End Pipeline
J-213	Malibu Ave and Ocean Dr Intersection	1,000	54%	Distance from Supply
J-113	S Victoria Rd and W Channel Islands Blvd	2,500	56%	Dead End Pipeline
J-204	Channel Islands Maritime Museum	2,500	61%	Dead End Pipeline
J-202	Malibu Ave and Piru Ave Intersection	1,000	67%	Dead End Pipeline
J-43	Albacore Way	3,000	70%	Dead End Pipeline
J-90	S Harbor Blvd and San Clemente Ave	3,000	71%	Distance from Supply
J-222	S Harbor Blvd Between Playa Ct & San Clemente Ave	3,000	72%	Dead End Pipeline
J-130	Channel Islands Blvd and S Harbor Blvd	2,500	72%	Dead End Pipeline
J-56	South Harbor Blvd and Ocean Dr Intersection	2,500	77%	Distance from Supply
J-223	Between Albacore Way and S Harbor Blvd	3,000	77%	Distance from Supply
J-35	S Harbor Blvd Near Playa Ct	3,000	78%	Distance from Supply
J-94	S Victoria Rd and W Channel Islands Blvd	2,500	78%	Dead End Pipeline
J-42	Albacore Way	3,000	80%	Within 20% of Goal
J-34	S Harbor Blvd Near Playa Ct	3,000	80%	Within 20% of Goal
J-58	S Harbor Blvd Near Playa Ct	3,000	82%	Within 20% of Goal
J-37	S Harbor Blvd Near Playa Ct	3,000	82%	Within 20% of Goal
J-36	S Harbor Blvd Near Playa Ct	3,000	82%	Within 20% of Goal
J-131	S Harbor Blvd Near Playa Ct	3,000	82%	Within 20% of Goal
J-67	Albacore Way	3,000	83%	Within 20% of Goal
J-209	Near the roundabout on S Peninsula Rd	3,000	84%	Within 20% of Goal
J-240	Near the roundabout on S Peninsula Rd	3,000	84%	Within 20% of Goal
J-201	Albacore Way	3,000	85%	Within 20% of Goal
J-69	Albacore Way	3,000	85%	Within 20% of Goal
J-57	South Harbor Blvd and Ocean Dr Intersection	2,500	86%	Within 20% of Goal
J-128	South Harbor Blvd and Ocean Dr Intersection	2,500	87%	Within 20% of Goal
J-224	Channel Islands Maritime Museum	2,500	97%	Within 20% of Goal

3.6 Future System Performance

The updated hydraulic model was analyzed for ultimate average day demand, max day demand, and peak hour demand conditions. These scenarios utilize the same peaking factors established for the current condition but modifies the average day demand to reflect the buildout scenario of 625 AF at 2040 as established in **Table 2-7**, with a five (5) percent addition for unaccounted for water for a total of 656 AF. This annual demand value equates to an average day demand of approximately 408 gpm. A summary of the results is shown in **Table 3-9**.

Table 3-9 Future ADD, MDD, PHD Results

Scenario	Description	System Demand (gpm)	Pressures (psi)	Pipeline Velocities (fps)
4	Ultimate ADD	408	71-82	0-2.60
5	Ultimate MDD	531	70-82	0-3.39
6	Ultimate PHD	979	58-81	0-6.25

The hydraulic modeling pressure output for Scenarios 4 and 5 are illustrated in **Figure 3-9** in **Appendix A**. **Table 3-9** demonstrates that, similar to current conditions, the distribution system can deliver adequate service pressure in all three demand scenarios. The most significant pressure reductions occur in the peak hour condition which results in reductions of over 10 psi in the western portion of the system (Hollywood Beach). The reduction in performance in this area is due to both the distance from the PHWA main service, and also the addition of new demands in the areas around the Channel Islands Harbor. Since many of these areas are currently underutilized, the future system performance impact is more apparent when compared to existing.

The final analysis conducted for the ultimate demand condition was for maximum day plus fire flow demands. This scenario yielded deficient nodes at locations shown in **Table 3-10**. The deficient fire flow nodes shown in **Table 3-10** correspond to the fire flow scenario in **Figure 3-9** in **Appendix A**.

The ultimate scenario yielded only one additional failing fire flow node (J-117), for a total of 33 failing nodes. For the balance of failing nodes, there was a marginal decrease in performance (average 2% percent reduction). The fire flow failures are summarized as follows:

- Priority 1 – Less than 50% capacity: 6 total
- Priority 2 – 51 to 80 % capacity: 18 Total
- Priority 3 – 81% or more capacity: 9 total

Table 3-10 Ultimate Deficiencies

Deficiency	Street	Required (gpm)	Existing % of Required	Ultimate % of Required	Comment
J-132	Channel Islands Blvd and S Harbor Blvd	2,500	10%	10%	Dead End Pipeline
J-114	Channel Islands Blvd and S Harbor Blvd	2,500	11%	10%	Dead End Pipeline
J-115	Channel Islands Blvd and S Harbor Blvd	2,500	11%	11%	Dead End Pipeline
J-137	Santa Monica Ave	1,000	16%	16%	Distance from Supply
J-129	Channel Islands Blvd and S Harbor Blvd	2,500	20%	19%	Dead End Pipeline
J-116	S Harbor Blvd & Ocean Dr Intersection	2,500	48%	47%	Dead End Pipeline
J-213	Harbor Blvd Near West Channel park	1,000	54%	54%	Distance from Supply
J-113	S Victoria Rd & W Channel Islands Blvd	2,500	56%	56%	Dead End Pipeline
J-204	Channel Islands Maritime Museum	2,500	61%	61%	Dead End Pipeline
J-202	Malibu Ave and Piru Ave Intersection	1,000	67%	67%	Dead End Pipeline
J-43	Albacore Way	3,000	70%	68%	Dead End Pipeline
J-90	S Harbor Blvd and San Clemente Ave	3,000	71%	68%	Distance from Supply
J-222	S Harbor Blvd Between Playa Ct & San Clemente Ave	3,000	72%	69%	Dead End Pipeline
J-130	Channel Islands Blvd and S Harbor Blvd	2,500	72%	71%	Dead End Pipeline
J-56	S Harbor Blvd and Ocean Dr Intersection	2,500	77%	74%	Distance from Supply
J-223	Between Albacore Way and S Harbor Blvd	3,000	77%	74%	Distance from Supply
J-35	S Harbor Blvd Near Playa Ct	3,000	78%	75%	Distance from Supply
J-42	Albacore Way	3,000	80%	77%	Dead End Pipeline
J-94	S Victoria Rd and W Channel Islands Blvd	2,500	78%	78%	Dead End Pipeline
J-34	S Harbor Blvd Near Playa Ct	3,000	80%	78%	Distance from Supply
J-58	S Harbor Blvd Near Playa Ct	3,000	82%	80%	Within 20% of Goal
J-37	S Harbor Blvd Near Playa Ct	3,000	82%	80%	Within 20% of Goal
J-36	S Harbor Blvd Near Playa Ct	3,000	82%	80%	Within 20% of Goal
J-131	S Harbor Blvd Near Playa Ct	3,000	82%	80%	Within 20% of Goal
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J-57	S Harbor Blvd and Ocean Dr Intersection	2,500	86%	82%	Within 20% of Goal
J-240	Near the roundabout on S Peninsula Rd	3,000	84%	83%	Within 20% of Goal
J-209	Near the roundabout on S Peninsula Rd	3,000	84%	83%	Within 20% of Goal
J-201	Albacore Way	3,000	85%	83%	Within 20% of Goal
J-69	Albacore Way	3,000	85%	83%	Within 20% of Goal
J-128	South Harbor Blvd and Ocean Dr Intersection	2,500	87%	84%	Within 20% of Goal
J-224	Channel Islands Maritime Museum	2,500	97%	95%	Within 20% of Goal
J-117	Channel Islands Blvd and S Harbor Blvd	2,500	100%	99.6%	Within 20% of Goal

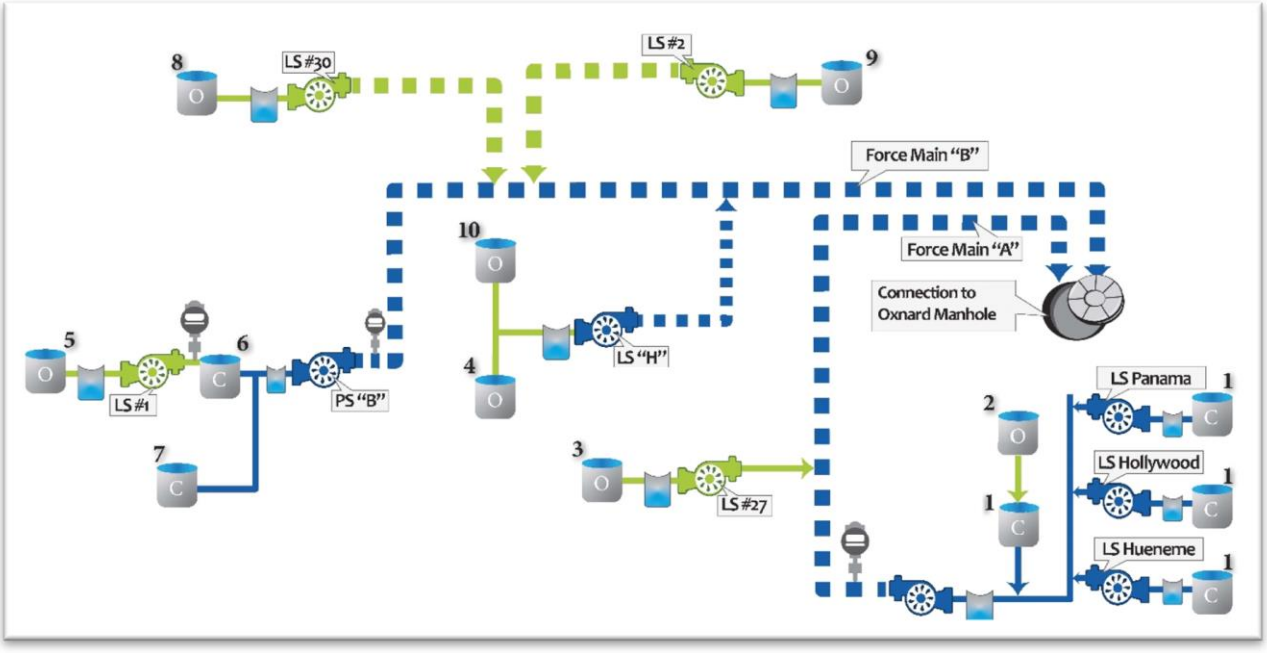
4.0 WASTEWATER SYSTEM EVALUATION

4.1 Existing Wastewater System

The District and COPH entered into an "Agreement for Disposal of Water and Sewage" in 1966 which provided the District with wastewater services from the COPH. In 1968, the City of Oxnard entered into the "Agreement for Disposal of Water and Sewage" which allowed Oxnard to connect and use District sewer infrastructure in the Channel Islands Harbor area. Multiple agreements between the parties have been put in place since the original in 1966 and is currently controlled by the wastewater agreement (A-7864) which is set to terminate in December of 2022.

Figure 4-1 summarizes the District's wastewater system. As previously mentioned, Oxnard uses the District's sewer infrastructure in the harbor area to transport wastewater from Oxnard's customers located in the District service area to the Oxnard collection system. Oxnard's infrastructure is represented in green and the District's infrastructure is represented in blue.

Figure 4-1 District Wastewater System Schematic



Source: Collection System Schematic, Wastewater Agreement Evaluation (Gannett Fleming, 2019)

The District owns, operates and maintains seven pumping stations that lift wastewater from low points in the collection system to manholes at a higher elevation. A summary of the general characteristics of each pumping station is shown in **Table 4-1**.

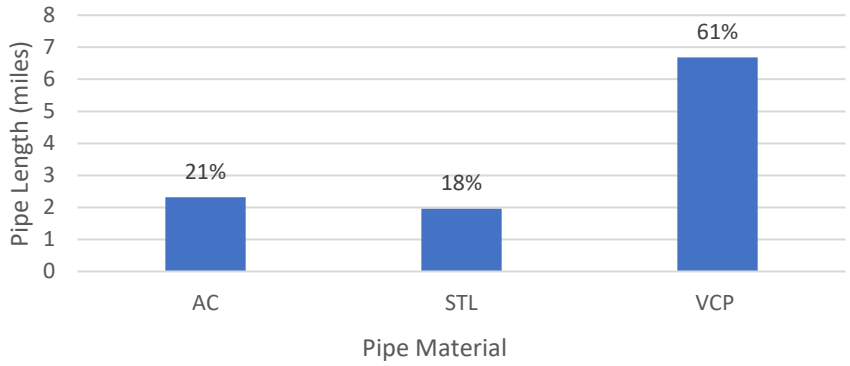
Table 4-1 Lift Station Summary

Asset	Owner	Station Type	No. of Pumps	Capacity (gpm)	Installation Year
PS A	CIBCSD	Dry Vault	2	470	1972
PS B	CIBCSD	Dry Vault	2	470	1972
PS H	CIBCSD	Submersible	2	240	1967
LS Los Robles	CIBCSD	Submersible	2	250	1997
LS Hueneme	CIBCSD	Submersible	2	Unknown	1993
LS Hollywood	CIBCSD	Submersible	2	Unknown	1995
LS Panama	CIBCSD	Submersible	2	Unknown	1997
LS #1	Oxnard	Submersible	2	315	1971
LS #2	Oxnard	Submersible	2	200	1971
LS #27	Oxnard	Submersible	2	230	2006
LS #30	Oxnard	Submersible	2	450	1984

Notes:
1. Source: CIBCSD/Oxnard Wastewater Agreement (Gannett Fleming 2019)

The existing wastewater system contains 133 manholes and approximately 11 miles of 8-inch pipelines. Based on District GIS information, the majority of the pipelines were installed in 1966, meaning they are approximately 54 years old. The distribution of pipelines consists of asbestos cement pipe (AC), Steel (STL), and Vitrified Clay Pipe (VCP), as seen in **Figure 4-2**.

Figure 4-2 Total Pipeline Length Distribution by Material



The most common pipeline material is VCP with more than two thirds of all pipelines. The steel pipeline reflects two main forcemains, approximately 6,875 feet for Force Main A and 3,480 feet for Force Main B.

4.1.1 Flow Components

For hydraulic modeling, the existing Bentley SewerCAD model was utilized; this model was originally developed as part of the Harbor Area Wastewater Infrastructure Review (City of Oxnard, 2012). The flow components of the model consist of Base sanitary flow (BSF), inflow/infiltration (I/I), City of Oxnard contributions and Ventura County stormwater diversions. Each of these flow components is described in the following subsections.

Base Sanitary Flow (BSF)

BSF, also known as Average Dry Weather Flow (ADWF), is domestic wastewater flow from residential, commercial, and industrial sources. BSF varies on a diurnal curve throughout the day in response to personal habits and business operation. For this modeling effort, BSF is determined by each parcel's actual or projected water usage adjusted by the applicable return to sewer (RTS) factor. RTS values were calculated as part of the original model development and were utilized as part of this modeling update. The RTS values used for this report are shown in **Table 4-2**.

Table 4-2 RTS Values

Land Use Type	RTS Value
Park	0.5
Parking/Landscape	0.6
Residential	0.8
Multi-Family Residential	0.9
VSHO	0.9
VSNB	0.7
Irrigation	0.1
Commercial	0.9
School	0.9

Notes:
1. Source: Harbor Area Wastewater Infrastructure Review Kennedy/Jenks, 2012)

Inflow/Infiltration (I/I)

Inflow/infiltration (I/I) is separated into groundwater infiltration (GWI) and rainfall dependent inflow/infiltration (RDI/I) components. GWI is defined as groundwater entering the collection system through pipe joints and manhole walls due to an aging system or improper construction. The magnitude of GWI depends on the depth of the groundwater table above the pipelines, the percentage of the system submerged, and the physical condition of the system. While GWI is affected by rainfall, it responds gradually and is not directly related to

an individual rainfall event. GWI usually has seasonal variations and typically declines during the summer and early fall as groundwater levels decrease.

RDI/I is stormwater that enters the collection system as a result of a specific rainfall event. RDI/I enters the collection system through direct connection to a storm drain, area drain, roof leader, manhole lid, or other improper connection. RDI/I also includes infiltration that occurs as stormwater moves down through the soil and enters the wastewater collection pipe through defective joints, pipe cracks and other defects.

GWI and RDI/I are developed from wet weather flow monitoring results similar to the process of RTS ratio calibration based on dry weather flow monitoring results. Because no wet weather flow monitoring has been conducted, a standard I/I duty factor will be used to estimate I/I. In the 2012 Harbor Area Wastewater Infrastructure Review, a standard I/I duty factor of 600 gpad was developed and is utilized as part of this modeling update.

City of Oxnard Contributions

As noted in **Figure 4-1**, the City of Oxnard has four lift stations which contribute flows to the District collection system. The City of Oxnard maintains a separate wastewater hydraulic model, and flow data for these systems was requested. The requested data is summarized in **Table 4-3** and reflected in the District hydraulic model.

Table 4-3 Lift Station Properties

Asset[a]	Average Dry Weather (MGD)	Peak Dry Weather (MGD)	Ground Elevation (ft ASL)	Invert Elevation (ft ASL)
LS #1	0.0228	0.0367	9.84	-9.94
LS #2	0.0193	0.0311	13.62	0.05
LS #27[b]	0.0162	0.0520	13.93	0.0945
LS #30	0.0391	0.0630	16.50	2.61

Notes:
(a) LS #1, #2, and #30 data provided by Asitha Withanage (City of Oxnard) on October 9, 2020.
(b) Not included in Oxnard model, data was transferred from original hydraulic model (2012).

Ventura County Stormwater Diversions

In addition to flows from the District contribution areas, flows from the San Nicholas Sewer Diversion must also be considered. The San Nicholas Sewer Diversion is a pump station owned and operated by Ventura County and is designed to divert stormwater into the District's collection system. Monthly data from 2018 to 2020 is provided in **Table 4-4**.

Table 4-4 Ventura County Stormwater Monthly Flows

Month	2018	2019	2020
January	174,103	325,127	337,014
February	160,557	902,496	241,942
March	308,985	228,017	107,566
April	145,633	216,852	129,658
May	136,264	110,237	203,111
June	127,441	183,110	147,278
July	147,136	123,076	150,184
August	164,405	111,261	
September	141,798	121,505	
October	190,986	101,764	
November	181,645	166,987	
December	298,448	195,824	
Total (gallons)	**2,177,401**	**2,786,256**	**1,316,753**

The Ventura County stormwater connection is located upstream of PS A at MH020 on the corner of San Nicholas Avenue and Roosevelt Boulevard. The estimated flow rate of the stormwater system is 70 gpm when the pump is operating.

4.2 Design Criteria

The design criteria will consist of criteria for the gravity mains, force mains, and lift stations. The gravity main criteria will be the following:

- Pipes 10-inches in diameter and smaller: ½ full at peak wet flow
- Pipes over 10-inches in diameter: 2/3 full at peak wet flow
- Minimum velocity: 2 fps
- Maximum velocity: 10 fps
- Manning's n: 0.135
- Minimum Slope Requirements:

Table 4-5 Minimum Slope Requirements

Pipe Diameter (inches)	Slope (ft/ft)
8	0.0040
10	0.0028
12	0.0020
15	0.0016
16	0.0016
18	0.0012
21	0.0012

The force main criteria will be the following:

- Minimum Force Main Diameter: 4 inches
- Minimum Velocity: 3 fps
- Maximum Velocity: 5 fps
- Maximum allowable headloss: 10 feet/ 1,000 feet of pipeline
- Maximum desirable headloss: 5 feet/ 1,000 feet of pipeline
- Hazen-Williams C factor: 130

The pump station should be sized for peak wet weather flow rate plus an additional 20 percent capacity. Pump stations should be capable of meeting the following criteria with the largest capacity pump servings as standby:

- 60 percent pump efficiency should be assumed, except where other information is available.
- 90 percent motor efficiency should be assumed, except where other information is available.

4.3 Hydraulic Model Update

The provided Oxnard Harbor SewerCAD model included sewer lines that are not owned by the District. It excluded sewer lines in the Silver Strand area, which has gravity lines and three lift stations (LS Hueneme, LS Hollywood, and LS Panama) that connect into PS A. MKN updated the model to include the Silver Strand area and removed sewer mains that are not owned by the District. The Silver Strand Area was simplified to only include the gravity mains along Ocean Drive, Simi Avenue, and Island View Avenue. In addition, the manholes were simplified to only include manholes at the beginning and end of the pipeline. Wastewater flows were distributed evenly to each manhole in the associated areas. Oxnard owned sewer mains were removed on Harbor Boulevard discharging into LS 1 and Peninsula Road discharging into LS H. However, pump stations owned by the City of Oxnard were included in the model because they discharge into the District's sewer

system. Flows in that area were added based on City of Oxnard data (**Table 4-3**) and distributed directly into the associated lift stations.

Manhole elevations, conduit diameter, conduit material, and wet well configurations were updated based on as-builts provided by the District. The District also provided pump curves for LS Hollywood and LS Panama. Existing information was not provided for LS Hueneme, so it was assumed to run at a design point to meet PWWF conditions. **Figure 4-3** in **Appendix A** shows the pipelines included in the model, along with the areas serviced by the City of Oxnard versus District.

MKN calculated average dry weather flow (ADWF), peak dry weather flow (PDWF), and peak wet weather flow (PWWF) for existing and ultimate conditions. Wastewater flows were then applied in the model using the nearest pipe method. MKN evaluated the model for hydraulic deficiencies during PWWF conditions. The following subsections describe how each loading scenario was calculated.

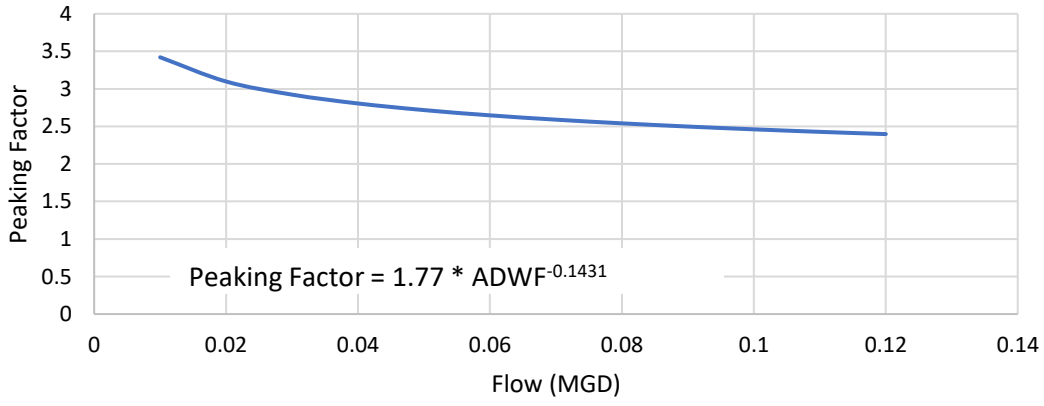
Average Dry Weather Flow (ADWF)

ADWF was calculated by multiplying RTS ratios to average day water demands calculated in Section 3.5 for current conditions and Section 3.6 for ultimate conditions. For existing conditions, each billing address was assigned a parcel that was associated to a land use. The RTS values from **Table 4-2** were then applied to the water demands. During ultimate conditions, water demands were already associated with a land use as mentioned in Section 2.2.3, so RTS values were applied directly to each parcel. For Oxnard flows, ADWF was provided by the City of Oxnard (**Table 3-3**) and applied directly to the model instead of calculating them based on RTS values and water demands.

Peak Dry Weather Flow (PDWF)

PDWF was calculated by multiplying the ADWF by an associated peaking factor. The peaking factor was calculated from an equation provided in the 2012 Wastewater Infrastructure Review, shown in **Figure 4-4**.

Figure 4-4 Peaking Factor Equation



This equation was developed from a flow monitoring study completed in 2010. For Oxnard flows, PDWF was provided by the City of Oxnard (**Table 4-3**) and applied directly to the model instead of calculating them based on the noted peaking factor.

Peak Wet Weather Flow (PWWF)

PWWF was calculated by adding I/I to the calculated PDWF. I/I was calculated at each parcel by multiplying the parcel area by a 600 gallons per acre per day (gpad) standard unit as defined in Section 4.1.1. The calculated I/I value at each parcel was then assigned a manhole using the nearest pipe method. In addition, for the PWWF condition, a stormwater flow of 70 gpm was added to model manhole GAA29 (MH020 in GIS) to account for the stormwater pump at the San Nicholas Sewer Diversion.

A summary of ADWF, PDWF, I/I and PWWF is shown in **Table 4-6**. ADWF is shown to be higher than ADD in the water model because Oxnard lift stations bring in sewer flows from outside the District water service area.

Table 4-6 ADWF, PDWF, I&I, and PWWF Summary

Scenario	ADWF	PDWF	I&I	PWWF
Existing (gpm)	282	878	192	1,071
Ultimate (gpm)	407	1218	233	1451

4.4 Current System Performance

The current system was evaluated in the PWWF condition within the updated hydraulic model. The model assumes that all lift stations are pumping at the same time, as the model is in steady state. This means the model is running at a worst-case scenario.

Table 4-7 and **Figure 4-5** in **Appendix A** show the gravity mains in existing conditions that are over capacity in the model.

Table 4-7 Existing PWWF Over Capacity Gravity Sewer Pipelines

Group	Start MH	Stop MH	Diameter (in)	Flow (gpm)	Flow/Capacity (%)	d/D (%)
1	FAA38	FAA37	8	1.7	0.7	100
	FAA42	FAA41	8	23.07	9.5	100
	FAA39	FAA40	8	3.82	1.5	100
	FAA47	FAA44	8	3.8	1.7	100
	FAA40	FAA42	8	6.39	2.6	100
	FAA44	FAA42	8	9.22	3.8	100
	FAA35	FAA37	8	280.64	115.6	100
	FAA37	FAA41	8	296.86	122.5	100

Group	Start MH	Stop MH	Diameter (in)	Flow (gpm)	Flow/Capacity (%)	d/D (%)
	FAA41	FAA43	8	329.71	136.7	100
	Cleanout	FAA43	8	386.04	130.7	100
	FAA43	FAA45	8	725.73	207.4	94.7
	FAA45	B	10	818.95	33.3	59.9
	FAA50	FAA45	8	82.24	33.9	57.3
2	GAA28	37-68	8	218.91	90.3	99.3
	37-72	37-74	8	270.57	108.4	97
	37-74	LS A	8	284.6	118.5	76.1
	GAA27	GAA28	8	130.75	53.6	68.4
	GAA20	GAA27	8	119.58	239.24	51.6
	37-68	37-71	8	241.51	101	100
	37-71	37-72	8	262.77	134.9	99.1
3	37-35	LS Hueneme	8	356.09	65	100
	MH-16	38-13	8	211.5	81.7	100
	38-13	37-35	8	293.74	120	100
	37-41	37-37	10	425.16	90.1	77
	MH-22	37-41	10	425.16	97.4	73.8
	37-44	MH-22	10	425.16	80.1	70.5
	37-37	MH-13	10	358.14	61	65.3
4	FAA59	FAA49	8	9.74	3.6	56.5
	FAA48	FAA49	8	3.87	328.3	53.8

The PWWF hydraulic performance results for the force mains were dependent on the operation of every lift station except LS Los Robles, LS Panama, LS Hollywood, and LS Hueneme, as they discharge directly into the gravity system. These results assume the worst case PWWF scenario, as each lift station is discharging at the same time. **Table 4-8** shows the hydraulic results for the District force mains. The pipe segments that exceed or do not meet the design criteria are highlighted in the table. Because the pumps run at a constant rate, these results do not change between existing and future conditions.

Table 4-8 Force Main Hydraulic Results

Lift Station	Length	Diameter	Flow (gal/min)	Wetwell Inflow (gal/min)	Velocity (ft/s)	Headloss Gradient (ft/ft)
PS B Segment 1[(a)]	3,305	12	1,200	819	3.4	0.004
PS B Segment 2[(a)]	1,879	12	2,103	-	6.0	0.01
PS B Segment 3[(a)]	916	12	2,306	-	6.5	0.012
PS H	126	6	203	222	2.3	0.004
LS #27	247	4	188	144	4.8	0.024
PS A Segment 1[(b)]	6,566	8	690	580	4.4	0.009
PS A Segment 2[(b)]	425	8	878	-	5.6	0.014

Notes:
(a) Segment 1 = from PS B to connection from LS #2 and LS #30, Segment 2 = from LS #2/LS #30 connection to LS H connection, Segment 3 = from LS H connection to Oxnard terminus
(b) Segment 1 = from PS A to connection from LS #27, Segment 2 = from LS #27 connection to Oxnard terminus
(c) Highlighted pipe segments do not meet design criteria

Summary of deficiencies:

1. **Comparison to 2012 Model**. In most cases, the current system performance matches the results from the 2012 Wastewater Infrastructure Review. The 2012 results indicate that most of the gravity mains provide sufficient capacity and meet d/D ratios criteria, except for five gravity sewer mains between LS Los Robles and PS B, and connected pipelines affected by the backwater effect (see Group 1 below). These pipelines do not have high flows but are connected to pipelines running over capacity. As a result, these pipelines do not meet the design d/D ratio criteria.

2. **Forcemains**. Overall, three of the eight force mains do not meet the head loss design criteria, while five of the eight force mains do not meet the velocity criteria. This is consistent with the 2012 Wastewater Infrastructure Review results.

3. **Group 1 – Silverstrand Beach (Figure 4-5):** These deficiencies include the sewer mains along Ocean Drive and Sunset Lane from LS Los Robles to PS B. In addition to pipelines directly affected by the pump station and lift station flows, multiple connected pipelines experience high d/D ratios with low flows due to a backwater effect. The deficiencies can be resolved by decreasing the flow rates coming from LS #1 and LS Los Robles, as they are pumping too much flow for the pipelines to handle. By turning off LS #1 (bypass to PS B forcemain), the number of pipelines affected by backwater decreases by two. To remove all deficiencies (d/D ratios below 50%), LS #1 needs to be turned off and LS Los Robles reduced to a maximum flow of 70 gpm. However, the design criteria requires that pump stations be sized for peak wet weather flow rate plus an additional 20 percent capacity, which is

approximately 110 gpm. At this flow rate with LS #1 turned off, this removes all problems related to backwater and decreases the maximum d/D ratio to 59%.

4. **Group 2 – Ventura County Stormwater Diversion (Figure 4-5).** The 2012 model did not include flows from the San Nicholas Sewer Diversion, which adds 70 gpm to Manhole GAA29. As a result, seven gravity mains (1,036 total feet) along Roosevelt Boulevard and S Victoria Avenue that flow into LS A are over capacity and have significantly higher d/D ratios and flow rates. Turning off the diversion (bypassing to PS A forcemain) removes two of the seven deficiencies and decreases the maximum d/D ratio from 100% to 71%.

5. **Group 3 – Hollywood Beach (Figure 4-5).** The sewer mains along Simi Avenue and Ocean Drive are over capacity due to high discharges from LS Hollywood and LS Hueneme. The pipelines do not have capacity to handle individual flow from these pump stations, which is 200 gpm. To meet the design criteria, flow from LS Hollywood can be decreased to 110 gpm. Although the number of deficient pipelines does not decrease, the maximum d/D ratio decreases from 100% to 66%.

6. **Group 4 – Other Deficiencies.** The only other two deficiencies in the system are on Sunset Lane, connected to the pipeline on La Brea Street. According to the model, the upstream pipelines discharge to a lower elevation than the start invert of the downstream pipeline. For both these pipelines, only half the pipe runs above capacity, while the rest of the pipeline runs around 20% full. The invert elevations in these pipelines should be field verified.

4.5 Future System Performance

The ultimate system was evaluated in the PWWF condition within the updated hydraulic model. **Table 4-9** and **Figure 4-6** in **Appendix A** shows the gravity mains in ultimate conditions that are over capacity in the model.

Table 4-9 Ultimate PWWF Over Capacity Gravity Sewer Pipelines

Group	Start MH	Stop MH	Diameter (in)	Flow (gpm)	Flow/Capacity (%)	d/D (%)
1	FAA38	FAA37	8	1.85	0.8	100
	FAA42	FAA41	8	54.76	22.6	100
	FAA39	FAA40	8	2.92	1.2	100
	FAA47	FAA44	8	13.38	5.9	100
	FAA40	FAA42	8	11.86	4.9	100
	FAA44	FAA42	8	32.6	13.4	100
	FAA35	FAA37	8	279.95	115.3	100
	FAA37	FAA41	8	291.94	120.5	100
	FAA41	FAA43	8	357.13	148.1	100
	Cleanout	FAA43	8	385.64	130.6	100
	FAA43	FAA45	8	753.12	215.2	97.7
	FAA50	FAA45	8	166.43	68.7	70.6
	FAA45	B	10	930.9	37.9	64.2

Group	Start MH	Stop MH	Diameter (in)	Flow (gpm)	Flow/Capacity (%)	d/D (%)
2	GAA28	37-68	8	289.48	119.4	100
	37-72	37-74	8	338.82	135.8	100
	GAA27	GAA28	8	205.8	84.4	100
	GAA20	GAA27	8	190.8	79.8	100
	GAA18	GAA20	8	181.33	75.5	100
	GAA14	GAA18	8	166.88	69.4	100
	37-68	37-71	8	312.08	130.6	100
	37-71	37-72	8	329.48	169.1	100
	GAA12	GAA14	8	155.56	64.3	89.9
	37-74	LS A	8	356.46	148.5	81.6
3	37-35	LS Hueneme	8	356.09	65	100
	MH-16	38-13	8	211.5	81.7	100
	38-13	37-35	8	293.74	120	100
	37-41	37-37	10	425.16	90.1	77
	MH-22	37-41	10	425.16	97.4	73.8
	37-44	MH-22	10	425.16	80.1	70.5
	37-37	MH-13	10	358.14	61	65.3
4	FAA59	FAA49	8	55.66	20.4	65.3
	FAA48	FAA49	8	13.62	4.1	56.9

Summary of deficiencies:

1. **Ultimate versus Current.** The future system performance generally coincides with the current system performance. The biggest difference in sewer flows are typically from the harbor areas, which are not near ultimate buildout capacity. These pipelines mostly flow into Oxnard owned lift stations, which pump at a constant rate.
2. **Group 2** – the only major difference in flows are in sewer mains along Roosevelt Boulevard and S Victoria Avenue. These pipelines are served flows from the Harbor. As a result, the number of sewer mains that are over capacity in this area increases from seven to ten (1,604 ft).

5.0 RECOMMENDED CIP

5.1 Introduction

This section discusses the recommended Capital Improvement Plan (CIP) for the District's water and wastewater infrastructure based on the previous sections' findings. Additionally, this section outlines the planning-level capital cost estimates of the potential system improvements.

Identified improvements are prioritized based on discussions with District staff and summarized in a five-year CIP, which includes carry over projects from the previous CIP.

5.2 Planning Level Unit Costs

Unit cost estimates are outlined to support the development of the District's CIP. Project cost estimates utilize these unit costs and are consistent with the Association of Cost Engineering International's Class 5 cost estimating classification. Class 5 estimates are based on available information using unit costs and have an accuracy range of -20 to -50 percent on the low side and +30 to +100 percent on the high side. The unit costs presented in **Table 5-1** are for budgetary and planning purposes.

Table 5-1 Construction Cost Estimating Assumptions

Cost Item Description	Unit Construction Cost	
Waterline		
4-inch	$215	per LF
6-inch	$240	per LF
8-inch	$280	per LF
10-inch	$320	per LF
12-inch	$420	per LF
Sewerline		
8-inch	$250	per LF
Valves		
6-inch Gate Valve	$7,500	ea.
8-inch Gate Valve	$10,000	ea.
Markups		
Planning and Design	10%	
Construction Management	10%	
Administrative and Legal	5%	
Construction Contingency	25%	

The base unit costs for pipeline material and installation include repaving and system appurtenances. The capital cost estimates are developed based on the unit costs and contingency markups summarized in **Table 5-1**.

5.3 Existing CIP

The District's current CIP from 2021-2025 is shown in **Table 5-2**. The total current five-year budget for all listed projects is $6.1M. The current format of the District's CIP includes the following sections:

1. Group 100 – Water Projects
2. Group 200 – Wastewater Projects
3. Group 300 – Trash Projects (not included in this Master Plan)
4. Group 400 - Facility Projects
5. Group 500 – Major Equipment and Studies
6. MI – Maintenance Related Projects and Studies

This same project group was utilized as part of the Master Plan CIP update.

Table 5-2 Fiscal Year 20/21 to FY 24/25 Capital Improvement Program

Project No.	Capital Project	Water	Sewer	Expended	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	5-Year Total
CI 101	Water Line Easement Improv.	100%		$0	$20	$300	$20	$150	$0	$490
CI 102	AMI Installation on Well	100%		$5	$0	$0	$0	$0	$0	$5
CI 103	PHWA Improvements	100%		$0	$65	$117	$118	$56	$33	$388
CI 105	Water Distribution Improv.	100%		$0	$50	$50	$50	$50	$50	$250
CI 201	I&I Reduction- Main & Manhole Improv.		100%	$59	$481	$0	$30	$266	$0	$836
CI 202	Sewer LS and PS Rehab.		100%	$35	$190	$100	$320	$100	$0	$745
CI 205	Hydrogen Sulfide Reduction		100%	$0	$0	$100	$0	$0	$0	$100
CI 206	Oxnard Wastewater Plant Improv.		100%	$0	$200	$200	$300	$600	$0	$1,300
CI 208	Wastewater Flow Meter Installation		100%	$9	$10	$0	$0	$0	$0	$19
CI 402	Yard and Building Improvements	50%	50%	$40	$100	$1,450	$0	$0	$0	$1,590
CI 403	Asset Management Software Program	50%	50%	$0	$31	$0	$0	$0	$0	$31
CI 501	Air Compressor	50%	50%	$10	$0	$0	$0	$0	$0	$10
CI 502	Changeable Message Sign	50%	50%	$15	$0	$0	$0	$0	$0	$15
CI 503	Vehicle Replacement- 2001 Crane Truck	50%	50%	$0	$150	$0	$0	$0	$0	$150
CI 102	Water Emergency Response Plan	100%		$0	$12	$0	$0	$0	$0	$12
MI 105	Water & Sewer Master Plan	50%	50%	$0	$75	$0	$0	$0	$0	$75
MI 204	CCTV Video Inspection Program		100%	$0	$0	$0	$0	$85	$0	$85
MI 209	Sewer System Management Plan		100%	$5	$0	$0	$0	$0	$0	$5
MI 404	Water & Sewer Rate Study	50%	50%	$5	$35	$0	$0	$0	$0	$40
			Water	$40	$342	$1,192	$188	$256	$83	$2,101
			Sewer	$143	$1,077	$1,125	$650	$1,051	$0	$4,046
			Total	$183	$1,419	$2,317	$838	$1,307	$83	$6,147

Notes: All costs shown in thousands.

5.4 Water System CIP

The following subsection is focused on Group 100, or water related projects. The following section summarizes the improvement projects that have been identified based on these categories:

- System Deficiency
- Rehabilitation/Replacement
- Reliability
- Operations
- PHWA Improvements

Improvement projects were established based on the stated project classification, results of the hydraulic modeling effort, and discussions with District staff. Water infrastructure projects are illustrated in **Figure 5-1** in **Appendix A.**

5.4.1 System Deficiency (CI 108)

Section 4.3 defines the District's design criteria which is established to minimize wear on infrastructure and maintain adequate system performance. Based on the hydraulic modeling results (**Figure 3-8 and 3-9**, **Appendix A**), there are no velocity or pressure deficiencies in maximum day or peak hour demand scenarios for both existing and ultimate demand conditions. The only deficiencies occur in the fire flow condition. **Table 5-3** summarizes the recommended projects to address these deficiencies.

Table 5-3 Water System Deficiency Projects

Project Area	Nodes Impacted	Recommended Improvements	Planning Level Cost
W-1 – Silverstrand (South)	J-137 (Total 1)	Replace 2 inch with 6 inch (160 ft)	$58,000
W-2 – Silverstrand (North)	J-213, J-202 (Total 2)	• Add 200 feet of 6-inch pipeline on Malibu Ave • Add 35 feet of 6-inch pipeline on Ocean Drive	$85,000
W-3 – Fisherman's Wharf	J-113, J-94 (Total 2)	Replace 4-inch with 6-inch at connecting junctions (120 feet)	$43,000
W-4 – Peninsula Road	J-240, J-209 (Total 2)	Replace 8-inch with 10-inch (310 feet) at end of Peninsula Rd	$149,000
W-5 – CI Harbor (North)	J-129, J-130, J-132, J-114, J-115 (Total 5)	• Replace 8-inch with 12-inch (300 feet) • Replace 6-inch with 8-inch (260 feet) • Replace 2 & 3-inch with 8-inch (500 feet)	$508,000
W-6 – CI Harbor (South)	J-204, J-224 (Total 2)	Replace 6-inch with 8-inch (300 feet)	$126,000
W-7 – Hollywood Beach	J-56, J-57, J-35, J-128, J-116, J-58, J-131, J-201, J-90, J-222, J-43, J-42, J-67 (Total 13)	• Replace 10-inch with 14-inch (570 feet) • Replace 8-inch with 14-inch (840 feet) • Replace 8-inch with 12-inch (900 feet)	$1,541,000
		Total	**$2,510,000**

Based on review of these projects with District staff, the following prioritization is recommended:

- Project W-2 is recommended to be completed in conjunction with the easement relocation project which is in the same area (noted as W-9, in CI 101).
- Projects W-3 and W-4 are recommended to be included as part of future development in the respective areas and will be completed at the time of development.
- Projects W-5, W-6 and W-7 are recommended for the next 5-year budget cycle. Projects W-6 and W-7 may be eliminated by a new PHWA connection planned near the existing COPH emergency connection.
- Upon review with District, it was determined hydrant at 200 Ocean Drive would provide adequate fire flow. Therefore, Project W-1 is not necessary.

5.4.2 Rehabilitation/ Replacement

Pipeline Replacement (CI 104)

There have been 17 documented pipeline breaks in the past 20 years within the District distribution area. Based on review of these failures, there is no concentration of breaks in any specific area. The distribution system is 75, 13 and 12 percent AC, PVC and DI, respectively. The age based useful life assumption for these materials is 75 years (AC), 80 (DI) and 85 (PVC). As noted in **Figure 3-4**, the age of the distribution system is only 30-50 years old. Based on the performance of the current system and age based useful life assumption, there is not currently a significant need to develop a distribution wide pipeline replacement program.

CI 105 is included to address any pipe failures and provides a budget of $50,000 per year.

Valve Replacement (CI 105)

The District's system currently has 473 valves in its system. These valves are estimated to be 30-50 years old. Based on the California Water Board, the estimated useful life of distribution system gate valves is 35-40 years.

The District has not historically exercised these valves nor maintained a Valve Exercising Program. The purpose of a Valve Exercising Program is to exercise main line valves throughout the distribution system to assure reliable operation and maintain water quality. The program accurately records detailed valve information, ensures valve reliability in the event of an emergency, allows staff the ability to immediately isolate water lines for main flushing and for main breaks, extends valve life and results in less staff time in dealing with emergency repairs. These benefits contribute to less water loss or waste and the least possible water service disruption time to District customers.

Per AWWA G200-15 Distribution Systems Operation and Management standard, a Valve Exercising Program should follow AWWA Manual M-44. Per this manual, agencies are required to set a goal for the number of distribution valves exercised annually and a goal to test 100% of valves within a certain time frame. To meet 100% of the valves in 3 years, would require 158 valves per year. The level of effort is estimated at two operators at a rate of 1-4 valves per two hours, depending on the difficulty of the valve. Based on the District's recent experience with valve exercising, an estimated 10% may require replacement. This equates to 16 valves replaced per year and would cost approximately $160,000 per year to replace.

It is recommended that District staff complete an exercising plan prior to the start of testing, and then package the resulting valve replacements into an annual construction project. The plan should prioritize critical valves, and those in intersections where additional isolation valves may be desired.

Water Flushing Program

The District currently uses a contract service provider to conduct water main flushing. The District's O&M budget allocates $40,000 every two years for this service. It is recommended that this process be evaluated, and the frequency be confirmed. The process could be modified to focus in dead end areas, and the frequency be modified to be driven by water quality factors instead of time between flushing. A study could be conducted in parallel with the next scheduled flushing, such that data collected from that effort can be used to optimize the current process.

Waterline Easement Improvements (CI 101)

In October 2020, the District completed the CIBCSD Water Pipeline Assessment which evaluated existing conditions of a potable pipeline located within private easements at one block northeast of Ocean Drive, from Harbor Boulevard to Santa Ana Avenue. Following review of three alternatives, the District selected Alternative 2 for implementation. This project **(W-8)** consists of abandoning the existing easement pipeline and installing necessary PVC pipelines and service laterals to reconnect the distribution system and customers. The total cost of this project is estimated to be approximately $400,000, which includes $75,000 in planning, design and bid phase services.

The second waterline easement improvement project recommended is located near Roosevelt Boulevard. This project **(W-9)** consists of replacing approximately 1,300 feet of AC pipe with PVC pipe on Roosevelt Boulevard, from San Nicholas Avenue to Highland Drive. The total cost of this project is estimated to be approximately $470,000, which includes $90,000 in planning, design and bid phase services.

Wharf Head Abandonment (CI 102)

The District's current system contains 16 wharf heads with three (3) inch risers and a 2-1/2 inch connection. These wharf heads are either currently abandoned or scheduled to be abandoned. The wharf heads are deteriorating and do not include isolation valves which pose a risk should one fail. It is recommended that

these be removed and capped, or isolation valves added. The initial step will be to investigate condition, prepare a schedule for prioritized implementation, identify wharf heads that can be removed in conjunction with adjacent planned projects and develop a standard detail for removal and capping. A total cost of $185,000 is assumed for this project, which includes $25,000 for initial assessment, planning and design. Only four of the 16 wharf heads are planned for abandonment in the 5-year CIP.

5.4.3 Reliability

Long-Term Water Supply Analysis (CI 107)

As noted in Section 3.2.2, the District should evaluate long term water supply options. Based on future projections, the District will need to seek additional sources approaching 2040. However, initial planning should begin earlier than the planned deficiency. The recommended timing is in FY 23/24 as this provides for several critical items to be resolved:

1. Harbor Water Sales Agreement renewal (October 2021)
2. Oxnard Wastewater Service Agreement renewal (December 2022)
3. PHWA 5-Year Master Plan Improvements (mid-point of completion)
4. Oxnard ASR and Hueneme Road Extension will be operational
5. Direct Potable Reuse criteria set for adoption by State Water Board by December 31, 2023 (AB 574)

5.4.4 Operations

Water Supply Upgrades (CI 106)

The COPH emergency interconnection is operated manually, while the Oxnard emergency connections utilize a pressure sustaining valve to provide pressure on demand in the event of a fire event. There is currently no monitoring as to the operation or condition of these valves. A recent investigation found that one of the valves was not operating, and the valve was replaced. As demonstrated in Section 4.6, these connections are critical to meeting fire flow demand and should be regularly maintained.

Due to the importance of this valves, the District should consider implementing a maintenance schedule for these valves and add remote pressure and position monitoring for the valves. The cost of this project **(W-10)** is estimated at $125,000.

The PHWA main point of supply includes flow metering information but data from this meter is not tracked and saved by PHWA. This data, if available to the District, could assist in calculating water loss, tracking system demands, verifying PHWA billings and calibrating the District's hydraulic model. It is recommended the District implement remote monitoring and data viewing for current and historical flow and pressure at the PHWA main connection. Work conducted during **W-3** would provide the opportunity to install master meter. This project **(W-11)** is estimated at $25,000.

5.4.5 PHWA Improvements (CI 103)

The PHWA Facility Master Plan (Gannett Fleming 2019) outlined improvement projects in a 5-year CIP. The District is responsible for its capacity share of the improvements which will prolong the life of the treatment equipment and optimize operation. The total cost for the 5-year CIP is $2,431,000. Through 2025, the District's portion is $387,150 for these improvements.

5.5 Wastewater System CIP

The following subsection is focused on Group 200, or wastewater related projects. The following section summarizes the improvement projects that have been identified based on these categories:

- System Deficiency
- Rehabilitation/Replacement
- Operations

The following projects were established based on the stated project classification, results of the hydraulic modeling effort, and discussions with District staff.

5.5.1 System Deficiency (CI 203)

The hydraulic model for existing flows summarized in Section 5.4 was used to assess whether the existing collection system could convey wastewater within the District's design standard for depth-to-diameter ratios. Based on the model results, **Table 5-4** is provided to summarize recommendations for addressing observed system deficiencies.

Table 5-4 Wastewater System Deficiency Projects

Project Area	Service Area Reference	Recommended Improvements	Planning Level Cost
WW-1 – Silverstrand Beach	Sewer Main along Ocean Drive and Sunset (LS Los Robles to PS B)	Flow Study and Reduce LS Los Robles Flow Rate	$60,000[(a)]
WW-2 – Ventura County Stormwater Diversion	Gravity Main along Roosevelt Boulevard and S Victoria Avenue	Bypass Stormwater Diversion to PS A force main	$25,000[(b)]
WW-3 – Hollywood Beach	Sewer Mains along Simi Avenue and Ocean Drive (LS Hollywood and LS Hueneme)	Flow Study and Reduce LS Hollywood Flow Rate	$50,000[(c)]
WW- 4 – Sunset Lane	Pipeline connecting to La Brea Street	Field verify manhole inverts and update GIS and hydraulic model	$10,000
		Total	**$135,000**

Notes:
(a) This project assumes that the PS B Improvements Project is completed (CI 204). Cost includes flow monitoring, design, and installation of new pumps. Combine project with recommendations from 2018 Condition Assessment, which includes improvements to French Drain and PVC discharge.
(b) Costs include planning study for pipe modification; construction cost is assumed to be by Ventura County.
(c) This project assumes that the PS B Improvements Project is completed (CI 204). Cost includes flow monitoring, design, and installation of new pumps.

The projects identified in Table 5-4 are included as CI 203. This CIP also includes a $50,000 annual budget to address any pipe failures or emergency projects.

5.5.2 Rehabilitation/ Replacement

PS B Improvements (CI 204)

In October 2020, the District completed the Pump Station B Evaluation which evaluated alternatives related to rehabilitation of PS B which at 50 years is near its useful life. The recommended alternative, illustrated in **Figure 5-2 (Appendix A)**, includes reconfiguring Oxnard's LS #1 flows to the PS B force main. By diverting this flow, a new PS B can be reduced in size, and capacity improvements in the District collection system can be avoided. The total cost of this project is estimated at $900,000.

The initial step of this project should include flow monitoring to confirm actual flow rates, confirmation of easement access and set back requirements, and coordination with the City of Oxnard regarding diverting LS #1 flows and associated modifications. This project should be completed in conjunction with **WW-1** as modifications to this upstream LS will impact flow rates to PS B.

I&I Reduction Improvements (CI 201)

Inflow and infiltration (I/I) reduction projects were identified in the Wastewater Collection System CIP Implementation Plan (MKN 2020). Phase 1 projects in Silverstrand Beach were completed in 2020, but Phase 2 in Hollywood Beach should also be completed due to their level of priority. Phase 2 consists of three Priority

1 sewer pipelines and eight Priority 2 pipelines, for a total of 11 segments and an estimated project cost of $300,000 which includes $30,000 for design.

Lift Station Improvements (CI 202)

The Lift and Pump Station Condition Assessment (KEH 2018) recommended multiple improvements for the District's seven lift stations for a total of $670,000. Since completion of the study the District has completed or is scheduled to complete all recommended projects with exception of the structural/mechanical recommendations ($110,000). The CIP was updated to reflect completed projects and the remaining effort reallocated.

5.5.3 Operations

CCTV Inspection (CI 206)

The last CCTV inspection was performed in June 2019 and the District examined 43,000 LF of existing 8-inch sewer and 1,200 LF of 10-inch gravity sewer. Multiple structural defects were noted, such as broken and fractured pipe, as well as roots, offset joints, and attached encrustation. This inspection is recommended to be completed every 5 years and is scheduled for 2024.

5.6 Recommended CIP

The recommended projects for water and wastewater were integrated with the current CIP and is provided as **Table 5-5**. The priority and phasing of projects is based on discussions with District staff.

Table 5-5 Recommended 5-Year CIP

Line	Project No.	Capital Project	Water	Sewer	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	5-Year Total
1	CI 101	Easement Risk Mitigation Projects	100%		$75	$325	$90	$380	$0	$870
2	CI 102	Wharf Head Removal	100%		$25	$10	$10	$10	$10	$65
3	CI 103	PHWA Improvements	100%		$65	$117	$118	$56	$32	$387
4	CI 104	Water Distribution Improvements	100%		$50	$50	$50	$50	$50	$250
5	CI 105	Valve Replacement	100%		$180	$160	$160	$50	$50	$600
6	CI 106	Water Supply Upgrades	100%		$25	$0	$0	$25	$100	$150
7	CI 107	Long Term Water Supply Planning	100%		$0	$0	$75	$0	$0	$75
8	CI 108	Fire Flow Improvements	100%		$0	$0	$15	$70	$0	$85
9	CI 109	Water Emergency Response Plan	100%		$15	$0	$0	$0	$0	$15
10	CI 201	I&I Reduction- Main & Manhole Impr.		100%	$0	$30	$270	$0	$0	$300
11	CI 202	Sewer Lift Station and PS Rehab		100%	$120	$0	$0	$30	$110	$260
12	CI 203	Sewer Improvement Projects		100%	$65	$85	$75	$100	$60	$385
13	CI 204	Pump Station B Replacement		100%	$50	$150	$700	$0	$0	$900
15	CI 205	Oxnard Wastewater Plant Impr.		100%	$200	$200	$300	$600	$300	$1,600
16	CI 206	CCTV Video Inspection Program		100%	$0	$0	$0	$85	$0	$85
17	CI 401	Yard and Building Improvements	50%	50%	$1,450	$150	$0	$0	$0	$1,600
18	CI 402	Asset Management Program	50%	50%	$15	$8	$8	$8	$8	$45
19	CI 403	Vehicle Replacement Program	50%	50%	$0	$80	$0	$80	$0	$160
20	MI 401	Water & Sewer Rate Study	50%	50%	$0	$0	$0	$0	$50	$50
				Water	$1,167	$780	$522	$684	$271	$3,424
				Sewer	$1,168	$584	$1,349	$859	$499	$4,459
				Total	**$2,335**	**$1,364**	**$1,871**	**$1,543**	**$770**	**$7,883**

Note: All costs shown in thousands.

6.0 APPENDICES

6.1 Appendix A- Figures

Figure 3-1 Water System Overview
Figure 3-5 Pipe Break History
Figure 3-7 Land Use
Figure 3-8 Existing Model Results
Figure 3-9 Ultimate Model Results
Figure 4-3 Sewer System Overview
Figure 4-5 Existing Model Results
Figure 4-6 Ultimate Model Results
Figure 5-1 Water Capital Improvement Projects
Figure 5-2 PS B Project

6.2 Appendix B- CIP Details

APPENDIX A

FIGURES

N

0 675 1,350

US Feet

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 3-1

Water System Overview

Channel Islands Beach Community Services District Water and Wastewater Master Plan Update

N

0 810 1,620

US Feet

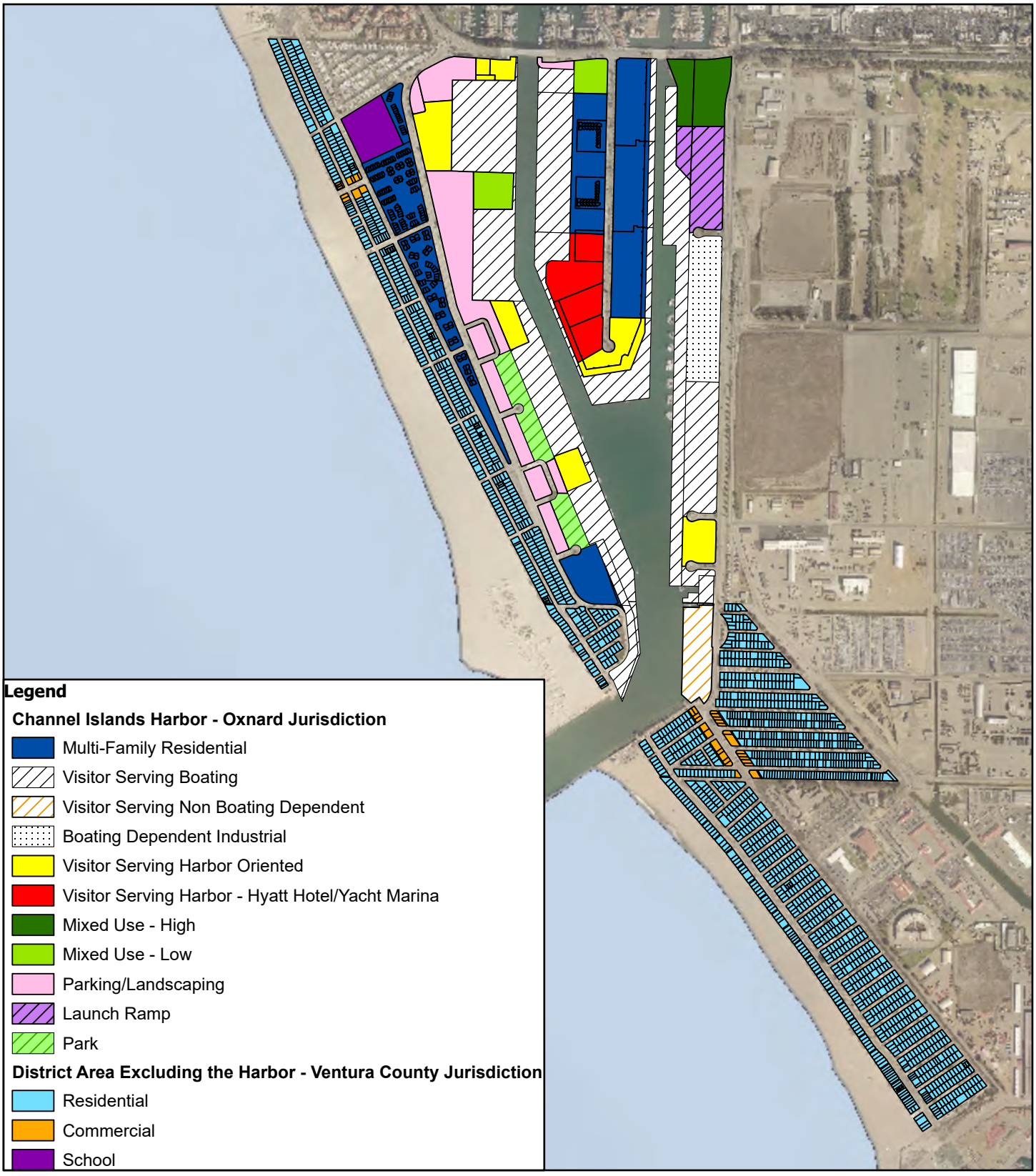
CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 3-5

Pipe Break History

Channel Islands Beach
Community Services District
Water and Sewer
Master Plan Update



N

0 675 1,350

US Feet

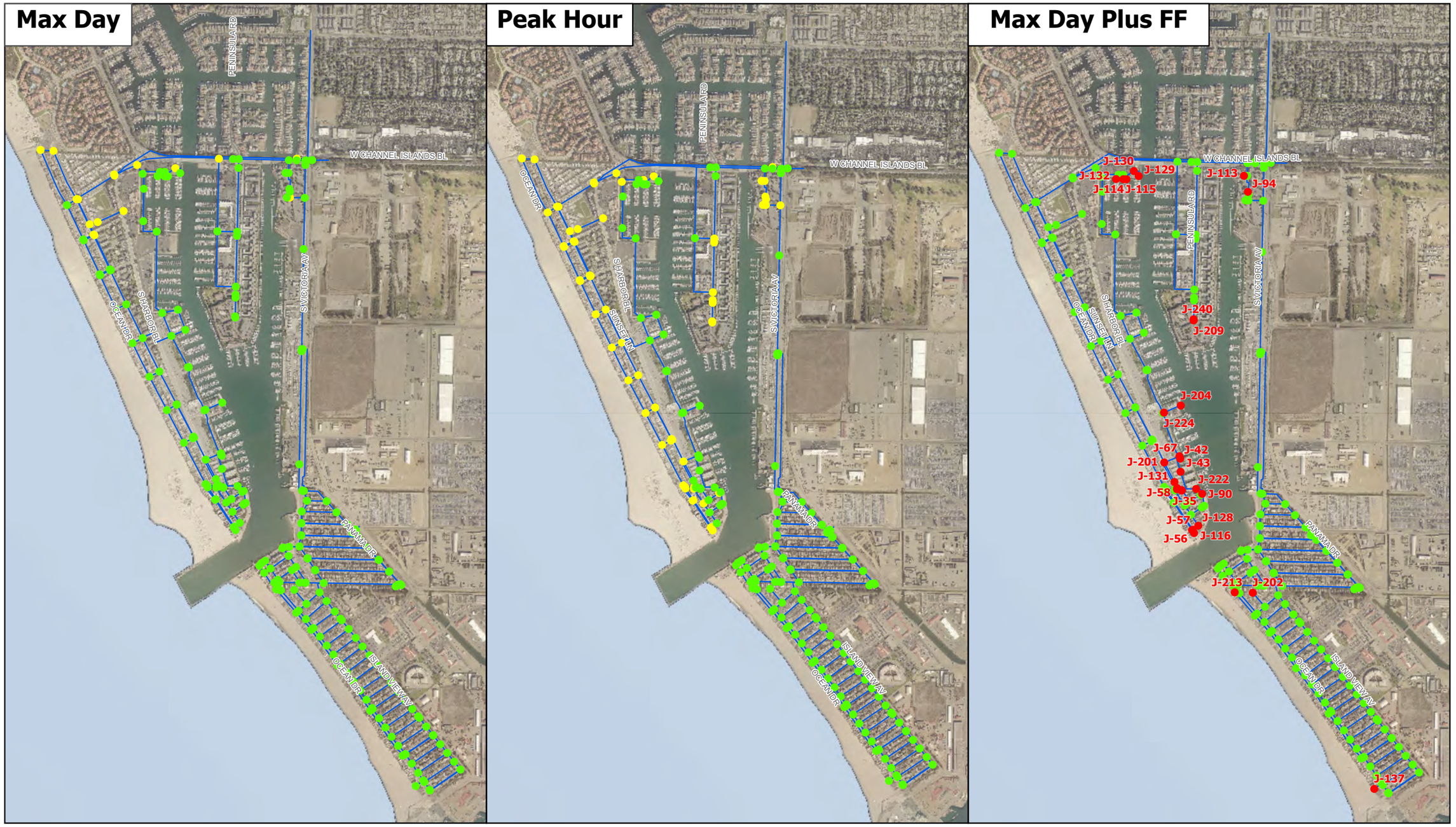
CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 3-7

Land Use Map

Channel Islands Beach
Community Services District
Water and Wastewater
Master Plan Update



Legend

Pressure (psi)

- 55 to 60
- 60 to 65
- 65 to 70
- 70 to 75
- Greater than 75

Fire Flow

- Pass
- Fail

N

0 775 1,550 Feet

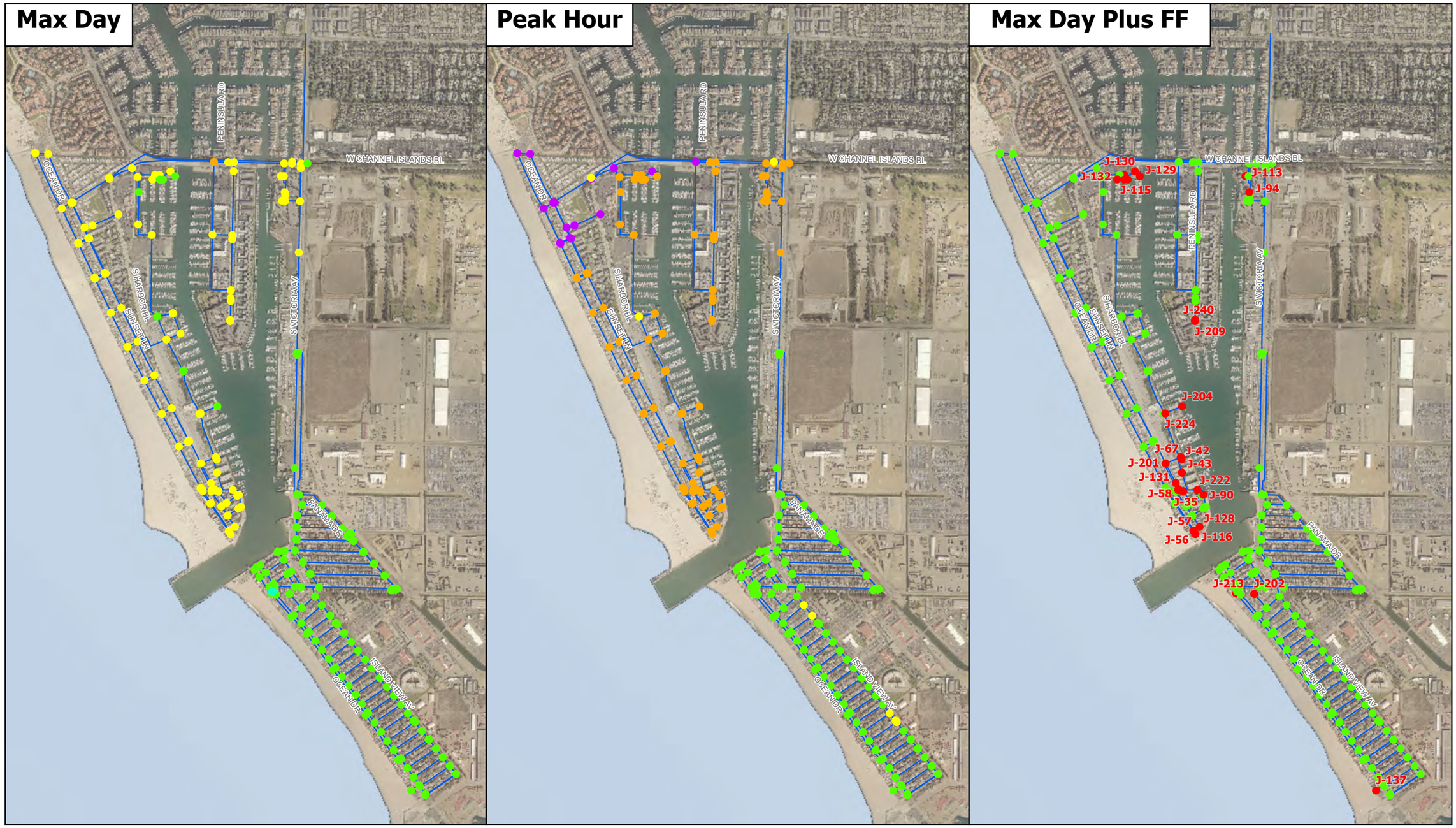
CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 3-8

Existing System Model Results

Channel Islands Beach Community Services District
Water and Wastewater Master Plan Update



Legend

Pressure (psi)

- 55 to 60
- 60 to 65
- 65 to 70
- 70 to 75
- Greater than 75

Fire Flow

- Pass
- Fail

N

0 775 1,550 Feet

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 3-9

Ultimate System Model Results

Channel Islands Beach Community Services District Water and Wastewater Master Plan Update

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 4-3

Sewer System Overview

Channel Islands Beach Community Services District Water and Wastewater Master Plan Update

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 4-5

Existing System Results

Channel Islands Beach Community Services District
Water and Wastewater Master Plan Update

N

0 650 1,300

US Feet

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

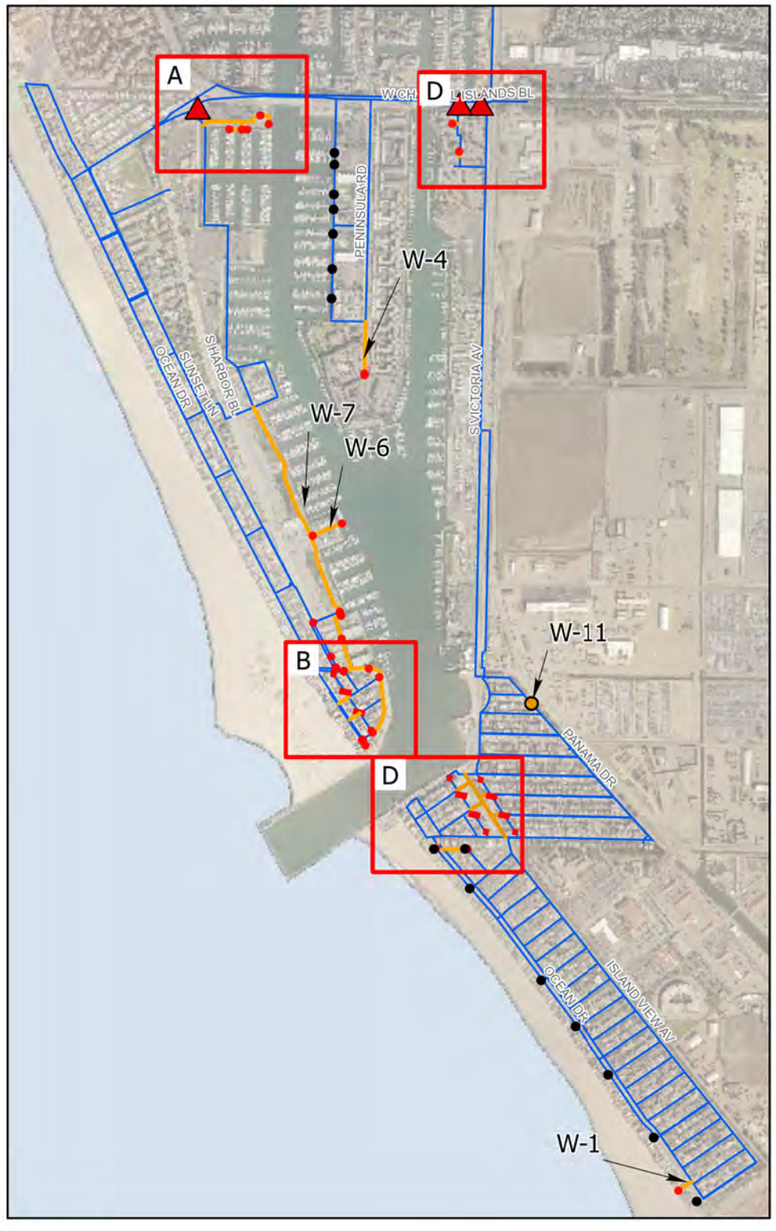
mkn

Figure 4-6

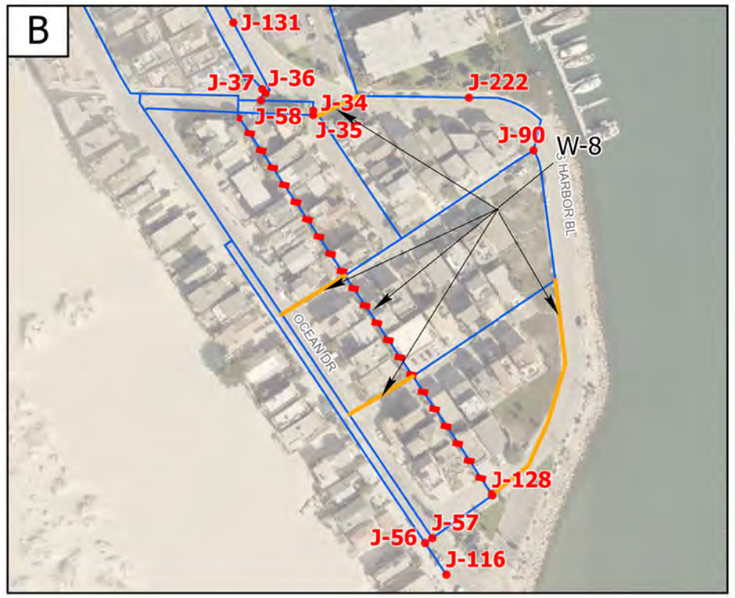
Ultimate System Results

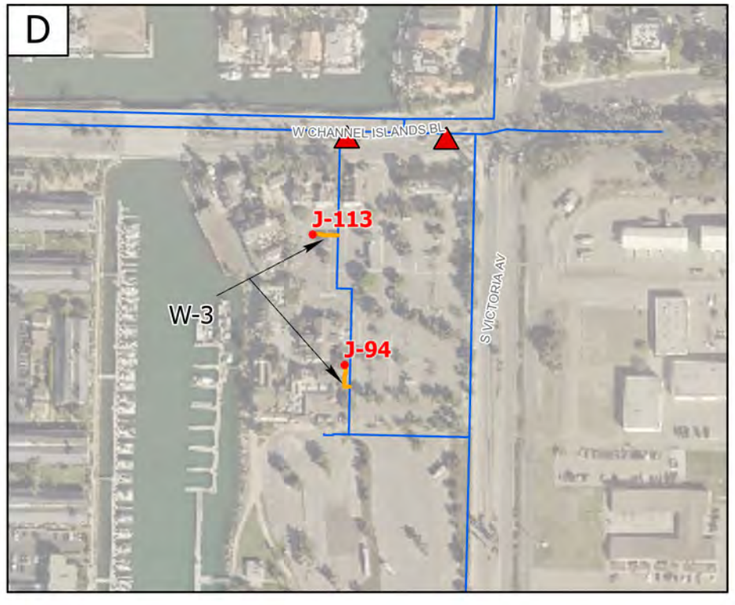
Channel Islands Beach Community Services District
Water and Wastewater Master Plan Update

Projects Overview



Project Details





Legend

- Emergency Interconnections
- PHWA Supply
- Pipeline Improvement
- Wharf Heads

Fire Flow

- Fail

N

Not to Scale

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

mkn

Figure 5-1

Water Capital Improvement Projects

Channel Islands Beach
Community Services District
Water and Wastewater
Master Plan Update

Legend

- PS — Pump Station
- Cleanout
- Manhole
- Gravity Pipeline
- Propopsed Force Main
- Existing Force Main
- Abandon Existing Line

N

0 75 150

US Feet

CHANNEL ISLANDS BEACH COMMUNITY SERVICES DISTRICT

Figure 5-2

PS B Project

Channel Islands Beach
Community Services District
Water and Wastewater
Master Plan Update

mkn

APPENDIX B

CIP SHEETS

Project No: CI 101
Title: **Easement Risk Mitigation Projects**

Description: Abandon two existing pipelines located within easements that cannot be easily accessed. Construct new piping to reconnect system following abandoment.

Justification: Water main breaks in areas where the District's distribution system runs through private property may be costly to address repairs and damage caused if not detected early. These projects reduce District risk.

Operations Impact: Improve ability to operate and maintain distribution system

Begin: 2021
End: 2025

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $870,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$75,000	$0	$90,000	$0	$0	$165,000
Construction	$0	$325,000	$0	$380,000	$0	$705,000
Total	$75,000	$325,000	$90,000	$380,000	$0	**$870,000**

Project No: CI 102
Title: **Wharf Head Removal**

Description: Abandon and remove all wharf heads in system. FY 21/22 includes assessment, prioritization and development of standard replacement detail.

Justification: Wharf heads do not include isolation valves which pose a risk should they fail. Current condition of wharf heads is unknown. Providing an assessment, prioritization and abandoment detail focuses efforts in highest risk areas and creates consistent standard District replacement protocol.

Operations Impact: Reduce time and costs associated with addressing failed wharf heads.

Begin: 2021
End: 2026

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $65,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$25,000	$0	$0	$0	$0	$25,000
Construction	$0	$10,000	$10,000	$10,000	$10,000	$40,000
Total	$25,000	$10,000	$10,000	$10,000	$10,000	**$65,000**

Project No: CI 103
Title: **PHWA Improvements**

Description: District's share of capital improvement needs at the PHWA Brackish Water Reclamation Demonstration Facility.

Justification: Reinvestment in the PHWA facility will be required to prolong the life of the treatment equipment. The District will be responsible for its capacity share of the improvements.

Operations Impact: N/A

Begin: 2021
End: 2026

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $387,150

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$0	$0
Construction	$64,740	$116,700	$117,810	$55,650	$32,250	$387,150
Total	$64,740	$116,700	$117,810	$55,650	$32,250	**$387,150**

Project No: CI 104
Title: **Water Distribution Improvements**

Description: Replacement of water distribution assets and other ancillary water distribution assets as needed due to failure or other emergency projects.

Justification: Preparing for the need to replace water distribution assets as they fail due to age.

Operations Impact: Increase system reliability by maximizing the operability of water system assets.

Begin: 2021
End: 2026

Funding Allocation:
Water 100%
Sewer 0%
Solid Waste 0%

Project Costs: $250,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$0	$0
Construction	$50,000	$50,000	$50,000	$50,000	$50,000	$250,000
Total	$50,000	$50,000	$50,000	$50,000	$50,000	**$250,000**

Project No: CI 105
Title: **Valve Repalcement**

Description: Replacement of valves and implementing a valve exercising program. Initial effort includes $20,000 for development of excercizing program required to plan and priortize efforts.

Justification: Estimated usefil life of distribution gate valves are 35-40 years old and valves in the system are 30-50 years old. Valve exercising programs assure reliabtion operation and maintain water quality by recording detail valve information.

Operations Impact: Increase system reliability by maximizing the operability of water system assets.

Begin: 2021
End: 2026

Funding Allocation:
Water 100%
Sewer 0%
Solid Waste 0%

Project Costs: $600,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$20,000	$0	$0	$0	$0	$20,000
Construction	$160,000	$160,000	$160,000	$50,000	$50,000	$580,000
Total	$180,000	$160,000	$160,000	$50,000	$50,000	**$600,000**

Project No: CI 106
Title: **Water Supply Upgrades**

Description: Improving interconnections with COPH and PHWA to provide monitoring and metering information.

Justification: Implementing monitoring helps assess water loss, tracking demands and calibrating hydraulic model.

Operations Impact: N/A

Begin: 2021
End: 2026

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $150,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$5,000	$0	$0	$25,000	$0	$30,000
Construction	$20,000	$0	$0	$0	$100,000	$120,000
Total	$25,000	$0	$0	$25,000	$100,000	**$150,000**

Project No: CI 107
Title: **Long Term Water Supply Planning**

Description: Analyzing future water supplies to address future population growth.

Justification: Based on future projections, additional water sources will need to be sought approaching 2040. The timing of this effort is related to adjacent agency reuse projects and status of current District agreements (see Section 5.4.3 of Water and Sewer Master Plan)

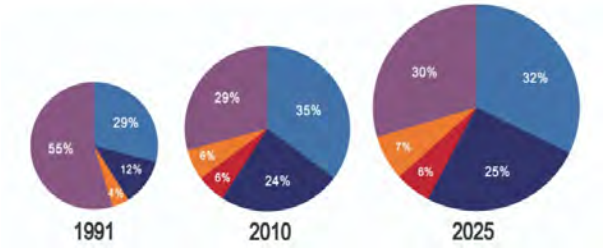
Operations Impact: Provides reliable water supply for District customers.

Begin: 2023
End: 2024

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $75,000



Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$75,000	$0	$0	$75,000
Construction	$0	$0	$0	$0	$0	$0
Total	$0	$0	$75,000	$0	$0	**$75,000**

Project No: CI 108
Title: **Fire Flow Improvement**

Description: Improve infrastructure to meet required fire flow. This includes Project W-2 from Table 5-3 of the Water and Sewer Master Plan. This project should be coordinated with CI 101.

Justification: Assure adequate fire flow can be provided during an emergency.

Operations Impact: N/A

Begin: 2023
End: 2025

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $85,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$15,000	$0	$0	$15,000
Construction	$0	$0	$0	$70,000	$0	$70,000
Total	$0	$0	$15,000	$70,000	$0	**$85,000**

Project No: CI 109

Title: **Water Emergency Response Plan**

Description: A water emergency response plan summarizes disasters/emergencies that may occur in the water system's service area, such as: earthquake, major fire emergencies, water outages due to loss of power, water contamination, and acts of sabotage.

Justification: Regulatory recommendation. Plan is to ensure reliable water service and minimize public health risks from unsafe drinking water during emergency events.

Operations Impact: N/A

Begin: 2021
End: 2022

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $15,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$0	$0
Construction	$15,000	$0	$0	$0	$0	$15,000
Total	$15,000	$0	$0	$0	$0	**$15,000**

Project No: CI 201
Title: **I&I Reduction- Gravity Main Improvements & Manhole Repair**

Description: Repair and/or relining of VCP in areas where Grade IV and V defects are present. Rehabilitation of manholes. Problem areas were identified by CCTV per NASSCO standards.

Justification: Repairing cracks and joints prevents unwanted infiltration, exfiltration, and reduced pumping/treatment costs.

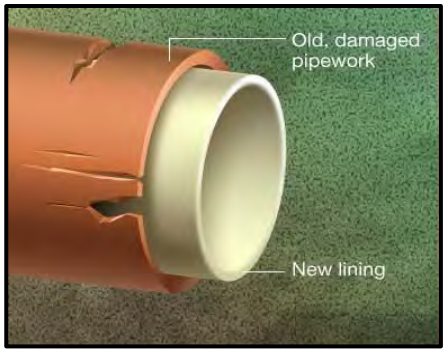
Operations Impact: Potential for less pumping and treatment costs as a result of reduced infiltration flows.

Begin: 2022
End: 2024

Funding Allocation:

Water	100%
Sewer	0%
Solid Waste	0%

Project Costs: $300,000



Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$30,000	$0	$0	$0	$30,000
Construction	$0	$0	$270,000	$0	$0	$270,000
Total	$0	$30,000	$270,000	$0	$0	**$300,000**

Project No: CI 202

Title: **Sewer Lift Station and Pump Station Rehabilitation**

Description: Upgrades/rehab of the District's seven sewer lift stations to address mechanical, electrical, safety, structural, and instrumentation needs. Projects identified in the 2018 Lift Station Condition Assessment. FY 21/22 includes electrical improvements and FY 24/25 and 25/26 reflect structural and mechanical improvements.

Justification: Project ensures the longevity and continued operation of the District's sewer lift stations, maintains compliance with regulatory standards, and improves worker safety.

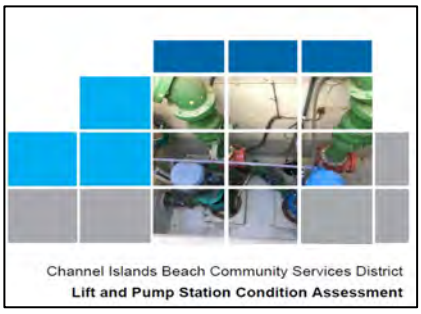
Operations Impact: Improvements will address operational reliability and longevity of sewer lift stations.

Begin: 2021
End: 2025

Funding Allocation:

Water	0%
Sewer	100%
Solid Waste	0%

Project Costs: $260,000



Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$120,000	0	$0	$0	$0	$120,000
Construction	$0	$0	$0	$30,000	$110,000	$140,000
Total	$120,000	$0	$0	$30,000	$110,000	**$260,000**

Project No: CI 203

Title: **Sewer Improvement Projects**

Description: Upgrades including implementation of flow monitoring, design and installation of new pumps and sewerlines. A budget of $50k is also allocated for addressing sewer failures and emergency projects. The scheduled projects are summarized as follows:

1. **WW-1 Silverstrand Beach** ($60k total) – Planning in FY 21/22 ($15k), Construction FY 22/23 ($35k). Efforts should be coordinated with CI 204 PS B Replacement.

2. **WW-2 Ventura County Stormwater Diversion** ($25k total) – Planning in FY 23/24. Efforts should be coordinated with Ventura County rate setting process. Need to confirm pre-treatment of stormwater and impacts on District system.

3. **WW-3 Hollywood Beach** ($50k total) – Planning and Construction in FY 24/25

4. **WW-4 Sunset Lane** ($10k total) – Planning in FY 25/26

Project descriptions and cost estimates from Table 5-4 of Water and Sewer Master Plan.

Justification: Improvements address deficiencies identified from the hydraulic model.

Operations Impact: Improvements will address operational reliability and longevity of sewers.

Begin: 2021
End: 2026

Funding Allocation:

Water	0%
Sewer	100%
Solid Waste	0%

Project Costs: $385,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$15,000	$0	$25,000	$0	$10,000	$50,000
Construction	$50,000	$85,000	$50,000	$100,000	$50,000	$335,000
Total	$65,000	$85,000	$75,000	$100,000	$60,000	**$385,000**

Project No: CI 204
Title: **Pump Station B Replacement**

Description: Rehabilitate Pump Station B by reconfiguring Oxnard's Lift Station #1 flows to Pump Station B's force main to reduce the size of the pump station.

Justification: Pump Station B is 50 years old and is approaching the end of its useful life. Reconfiguration will provide operational and energy savings.

Operations Impact: Improvements will improve operability of PS B and reduce maintenance activities related to sewer cleaning and gravity system "hot spots".

Begin: 2021
End: 2024

Funding Allocation:

Water	0%
Sewer	100%
Solid Waste	0%

Project Costs: $900,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$50,000	$150,000	$0	$0	$0	$200,000
Construction	$0	$0	$700,000	$0	$0	$700,000
Total	$50,000	$150,000	$700,000	$0	$0	**$900,000**

Project No: CI 205
Title: **Oxnard Wastewater Plant Improvement**

Description: District's share of the necessary upgrades to the City of Oxnard's Wastewater Treatment Plant.

Justification: The District owns approximately 2% of the wastewater plant's capacity for treatment of its wastewater flows. Current agreement requires participation in capital improvements at Oxnard Wastewater Treatment Plant.

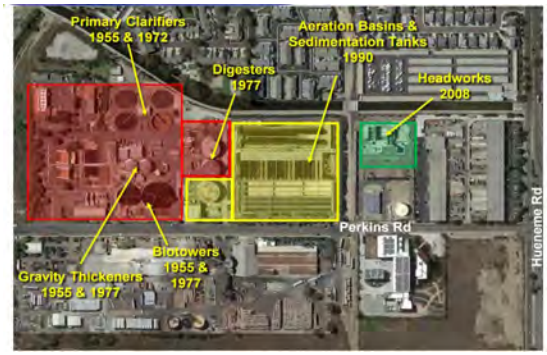
Operations Impact: N/A

Begin: 2021
End: 2026

Funding Allocation:

Water	0%
Sewer	100%
Solid Waste	0%

Project Costs: $1,600,000



Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$0	$0
Construction	$200,000	$200,000	$300,000	$600,000	$300,000	$1,600,000
Total	$200,000	$200,000	$300,000	$600,000	$300,000	**$1,600,000**

Project No: CI 206
Title: **CCTV Inspection Program**

Description: Cleaning and videoing of the District gravity sewer collection system.

Justification: Results from the CCTV video will inform District of vulnerable areas in the sewer collection system that require repair or additional maintenance.

Operations Impact: N/A

Begin: 2024
End: 2024

Funding Allocation:
Water 0%
Sewer 100%
Solid Waste 0%

Project Costs: $85,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$10,000	$0	$10,000
Construction	$0	$0	$0	$75,000	$0	$75,000
Total	$0	$0	$0	$85,000	$0	**$85,000**

Project No: CI 401
Title: **Yard & Building Improvements**

Description: Construction of a new District Headquarters and yard. Project includes architectural design and construction.

Justification: Project will address code and ADA Compliance issues at District's main facility.

Operations Impact: N/A

Begin: 2021
End: 2024

Funding Allocation:

Water	50%
Sewer	50%
Solid Waste	0%

Project Costs: $1,600,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$0	$0
Construction	$1,450,000	$150,000	$0	$0	$0	$1,600,000
Total	$1,450,000	$150,000	$0	$0	$0	**$1,600,000**

Project No: CI 402

Title: **Asset Management Software**

Description: In 2020, the District implemented a new management software which allows for better management of District assets by minimizing the total cost of owning, operating, and maintaining assets while improving levels of service. This project addresses development of new work flows and updates to GIS database.

Justification: Improvements will continue to streamline workflows, schedule preventative maintenance, track historical maintenance and associated costs, and allow for more efficient asset management. GIS updates will provide for ongoing accuracy of District asset database.

Operations Impact: N/A

Begin: 2021
End: 2026

Funding Allocation:

Water	50%
Sewer	50%
Solid Waste	0%

Project Costs: $45,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$0	$0
Construction	$15,000	$7,500	$7,500	$7,500	$7,500	$45,000
Total	$15,000	$7,500	$7,500	$7,500	$7,500	**$45,000**

Project No: CI 403
Title: **Vehicle Replacement Program**

Description: Replacement of multiple vehicles that have reached the end of their useful life.

Justification: District routinely uses its vehicles and many are approching their end of useful life.

Operations Impact: N/A

Begin: 2022
End: 2025

Funding Allocation:

Water	50%
Sewer	50%
Solid Waste	0%

Project Costs: $160,000

Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$0	$0
Construction	$0	$80,000	$0	$80,000	$0	$160,000
Total	$0	$80,000	$0	$80,000	$0	**$160,000**

Project No: MI 401
Title: **Water & Sewer Rate Study**

Description: Update to the District's 2021 Combination Water & Sewer Rate Study. Future Board direction will determine if scope will contain Financial Plan and/or Cost of Service Study.

Justification: The District's 5-year rate plan will end in July 2026. A cost of service study is required every 10 years, but is often completed every 5 years. Staff will make a recommendation on whether a cost of service study is necessary as part of the next rate study.

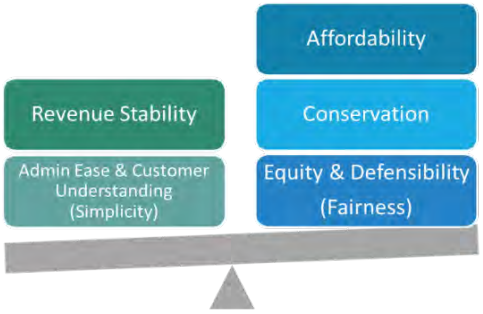
Operations Impact: N/A

Begin: 2025
End: 2026

Funding Allocation:

Water	0%
Sewer	100%
Solid Waste	0%

Project Costs: $50,000



Project Schedule	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	Total
Planning/Design	$0	$0	$0	$0	$50,000	$50,000
Construction	$0	$0	$0	$0	$0	$0
Total	$0	$0	$0	$0	$50,000	**$50,000**

CHANNEL ISLANDS BEACH
COMMUNITY SERVICES DISTRICT

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Regular Board Meeting, October 12, 2021

To: **Board of Directors**

From: **Peter Martinez, *General Manager***

Subject: **NEW BOARD MEETING START TIME DISCUSSION**

Item No. **D-3**

RECOMMENDATION:

Board discretion.

BACKGROUND/DISCUSSION:

At the August 3, 2021, Special Board Meeting during Board Member Comments it was recommended that a discussion regarding a new board meeting start time be placed on a future agenda. The Board currently meets on the second Tuesday of the month at 6:00 p.m. and this item shall allow for discussion among the Board for the consideration of a new potential start time.