Part	Newport MUD - Capital Improvement Plan															
Section   Sect	LAN Job No. 120-12151-000-100															
Part	As of 3/6/23, CIP in 2022\$															
Part																
The   South of the 19/10/20				\$5,500,000	\$4,225,000	\$7,500,000	\$20,840,000									
Part				Bond		Bond		Projected Y		will be needed						
District InterNotWelfTit & ReMedical Action (1997)   Property																
Accurate that Act is recorded from the Part of the Par	<u>Item</u>	Status (as of 3/18/24)	<u>Amount</u>	<u>2016</u>	<u>2018</u>	<u>2019</u>	2021/2022	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>
Application of the Principle of the Pr					I											
		A diaha.a.a.a.da.ha.i.a.a.a.a.a.d														
Surface Water Part Dickafac Care Water Part		·														
Surface Water Parts (Including CW Well & SVITI, page 5   Supplemental Cast Increased Formation of the National Annual Cast Increased Formation of the National																
Concept Water Plant Specialized (Power of Surfrig pages)																
Somewhater Fuers, page 10   Section State Stat	1 Surface Water Plant (including GW Well @ SWTP), page 9			\$50,000	\$0	\$470,000	\$7.820.000	\$0	\$4,000,000	\$0	\$0	\$1.800.000	\$120,000	\$0	\$0	\$350,000
Extracted Water Plants, page 10   Section Se		•		<del>+30,000</del>	ŢŨ	\$ 17 <b>0</b> ,000	<i>\$1,626,666</i>	70	<b>\$ 1,000,000</b>	γo	ΨO	<b>\$1,000,000</b>	7120,000	Ψ0	Ţ.	<del>γ</del> 550,000
2   Concent Water Plants, page 10   Charges   50   50   51,000   51,000   51,000   50   50   50   51,000   51		-														
Security Series System, page 3 (includes SOH Bridge Reio)  Advanced from the South Collaboration System, page 3 (includes SOH Bridge Reio)  Advanced from the South Collaboration South Co				\$0	\$0	\$15,000	\$240,000	\$0	\$0	\$0	\$0	\$110,000	\$600,000	\$0	\$0	\$160,000
Security Series System, page 3 (includes SOH Bridge Reio)  Advanced from the South Collaboration System, page 3 (includes SOH Bridge Reio)  Advanced from the South Collaboration South Co																
A varied Dermitter System, page 8 (includes SOH Kindge Acid)   Sign System System, page 8 (includes SOH Kindge Acid)   Sign System System, page 8 (includes SOH Kindge Acid)   Sign System System, page 8 (includes SOH Kindge Acid)   Sign System System, page 9 (includes SOH Kindge Acid)   Sign System Sy		Adjustments due to increased														
Water Data Duckins System, page 3 (includes Set) Endings Relo)																
Adjustments due no increased construction costs. Schularidation show "4-80 Miles Spene Parks of each lives deeper than officials systems 1,000 miles deeper than officials and increase in success and principle due increased constructions costs and increased constructions costs and increased constructions costs and increased increas																
Construction costs solutions   Solution	3 Water Distribution System, page 3 (includes SDH Bridge Relo)	requirement for SDH.		\$0	\$0	\$0	\$970,000	\$0	\$550,000	\$1,240,000	\$1,620,000	\$1,300,000	\$1,350,000	\$1,130,000	\$1,140,000	\$1,420,000
Construction costs solutions   Solution																
## Santany Severe System, page 4 (includes SOH Bridge Relin)  ## Santany Severe System, page 4 (includes SOH Bridge Relin)  ## Adjustments due to increased construction costs and princing district control and princing severe systems, page 5 & 0 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		,														
A   Santary Sewer System, page 4 (includes SDH Ending Relo)				ģ0	44 442 000	6765 447	42 720 000	40	42.000.000	40	4050.000	44 020 000	44 400 000	44 000 000	44 020 000	44 050 000
A   Sentary Sever System, page 4 (includes SDH Rindge Relo)   Adjustments due to increased construction costs and printing construction costs and printing construction costs and con	SI	-		\$0	\$1,142,900	\$765,417	\$2,720,000	\$0	\$2,000,000	\$0	\$950,000	\$1,020,000	\$1,100,000	\$1,080,000	\$1,030,000	\$1,050,000
A statisticy Sever System, page 4 (includes SoH Arriage Reio)   requirement for SDH.   A statistic state of increased construction costs and priority changes.   SO   \$0   \$11,000   \$440,000   \$0   \$0   \$0   \$352,000   \$100,000   \$205,000   \$0   \$0   \$0,000   \$0,		•														
Adjustments due to increased construction costs and principle of the management of t	4 (Sanitary Sower System, page 4 (includes SDH Bridge Bole)															
Substation & Force Mains, page 5 & 6		'														
Station & Force Maint, page 5 & 6   Changes   S0   S0   \$110,000   \$440,000   \$0   \$0   \$382,000   \$100,000   \$285,000   \$0   \$300,000   \$300																
Adjustments due to increased construction costs and increase in scope of work required by HECCP for WWTP bern.  7 Detertion Fonds, page 11				¢0	¢0	\$110,000	\$440,000	ėn.	ėn.	\$252,000	\$100,000	\$100,000	\$265,000	¢0	\$80,000	\$00,000
A construction costs and increase in scope of work required by HCFCD for WWTP by CEP for WWT		<del>-</del>		ŞU	ŞU	\$110,000	\$440,000	ŞU	ŞU	\$352,000	\$100,000	\$100,000	\$205,000	ŞU	\$80,000	\$90,000
Substitution   Subs		•														
Proceedings   Proceedings   Process   Proces	6 Wastewater Treatment Plant, page 7 & 8 (includes new Berm Costs)			\$395,000	\$0	\$819.583	\$500,000	\$0	\$0	\$0	\$7,200,000	\$16.500.000	\$17.840.000	\$0	\$0	\$3,450,000
Detention Ponds, page 11		•		φουσ,σου	Ψ.	<b>4013</b> ,300	φσσσ,σσσ		<b>,</b>	Ψ°	ψ.,200,000	<b>\$10,500,000</b>	ψ17,0.0,000	Ψ.	Ψū	ψο, .σο,σσσ
8 Administration Building District Owned \$250,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0																
Mater Line Ext. Phase 2 to serve Compass Tr Defined Area   District Commitment   \$270,000	7 Detention Ponds, page 11	District Owned		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10   Mater Line Ext. Phase 2 to serve Compass Tr Defined Area   District Commitment   \$270,000	8 Administration Building	District Owned	\$250,000	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11   Force Main Phase 1 to serve Compass Tr Defined Area   District Commitment   \$470,000	9 Water Line Ext. Phase 1 to serve Compass Tr Defined Area	District Commitment	\$190,000							\$190,000						
12   Force Main Phase 2 to serve Compass Tr Defined Area   District Commitment   \$960,000   \$860,	10 Water Line Ext. Phase 2 to serve Compass Tr Defined Area	District Commitment	\$270,000								\$270,000					
13   Lift Station to serve Compass Tr. Defined Area   District Commitment   S860,000   S445,000   S1,142,900   S2,180,000   S2,280,000   S2,210,000   S2,210,000   S2,210,000   S2,250,000   S2,210,000   S2,250,000   S2,250,00	11 Force Main Phase 1 to serve Compass Tr Defined Area	District Commitment								\$470,000						
DISTRICT ITEMS TOTAL   \$445,000 \$1,142,900 \$2,180,000 \$12,940,000 \$0 \$6,550,000 \$3,112,000 \$11,100,000 \$20,830,000 \$21,275,000 \$2,210,000 \$6,520,000 \$6,520,000 \$1,142,900 \$2,147,402 \$1,147,442 \$1,	·	District Commitment									\$960,000					
Newport Court, Developer Reimbursement (Compass)   Bond Issue #6   \$1,147,442   \$		<u>District Commitment</u>	\$860,000		4.	4		<del>                                     </del>	4-		4		45	*=	4	4.5
Newport Court, Developer Reimbursement (Compass)   Bond Issue #6   \$1,147,442   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$	DISTRICT ITEMS TOTAL			\$445,000	\$1,142,900	\$2,180,000	\$12,940,000	\$0	\$6,550,000	\$3,112,000	\$11,100,000	\$20,830,000	\$21,275,000	\$2,210,000	\$2,250,000	\$6,520,000
Newport Court, Developer Reimbursement (Compass)   Bond Issue #6   \$1,147,442   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$1,147,444   \$	INTERACTOR OF EVEN ANGULA															
2       Newport Section 4, Partial Replat 1, Dev. Reim. (Katt)       Bond Issue #6       \$360,516       \$36		Rond Issue #6	¢1 147 442			¢1 147 442				-						
Newport Section 4, PR 4 (DH Builders)							+	+		+						
4 Newport Section 6, Partial Replat 1, Dev. Reim. (Rochester)       Bond Issue #7       \$330,596						3200/210	+	1		\$220,000						
5       Newport Section 7, PR1, PR3, DP Developer Reim. (Lennar)       Bond Issue #7       \$1,528,874 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>\$330 596</td><td>1</td><td></td><td>7220,000</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							\$330 596	1		7220,000						
6 Newport Section 7, PR4, PR5 Developer Reim. (Lennar)  8 ond Issue #8 \$1,262,309 \$																
7 Newport Sec 8, PR 3 & 4 Clearing & Grubbing Dev. Reim. (Lennar)       Bond Issue #6       \$39,588       \$39,588       \$39,588         8 Newport Section 8, Partial Replat 3, Dev. Reim. (Lennar)       Bond Issue #6       \$322,630       \$322,630         9 Newport Section 8, Partial Replat 4, Dev. Reim. (Lennar)       Bond Issue #6       \$1,016,250       \$1,016,250         10 Newport Section 9, Dev. Reim, (Rochester)       Bond Issue #6       \$962,578       \$962,578       \$962,578         11 Newport Section 10, Partial Replat 1 Dev. Reim. (Rochester)       Bond Issue #8       \$546,612       \$546,612							, -,, -, -, -, -, -, -, -, -, -, -,		\$1,262.309							
8 Newport Section 8, Partial Replat 3, Dev. Reim. (Lennar)       Bond Issue #6       \$322,630       \$322,630       \$322,630         9 Newport Section 8, Partial Replat 4, Dev. Reim. (Lennar)       Bond Issue #6       \$1,016,250       \$1,016,250         10 Newport Section 9, Dev. Reim, (Rochester)       Bond Issue #6       \$962,578       \$962,578         11 Newport Section 10, Partial Replat 1 Dev. Reim. (Rochester)       Bond Issue #8       \$546,612       \$546,612						\$39,588			. , . , . , ,							
10 Newport Section 9, Dev. Reim, (Rochester)       Bond Issue #6       \$962,578       \$962,5																
11 Newport Section 10, Partial Replat 1 Dev. Reim. (Rochester) Bond Issue #8 \$546,612 \$546,612	9 Newport Section 8, Partial Replat 4, Dev. Reim.(Lennar)	Bond Issue #6	\$1,016,250			\$1,016,250										
	10 Newport Section 9, Dev. Reim, (Rochester)	Bond Issue #6	\$962,578			\$962,578										
12 Newport Sec 4, Reserve C (Area 7), 3.42 Acres \$0		Bond Issue #8	\$546,612						\$546,612							
			-													
13 Newport Sec 4, Reserve D (Area 8), 12.35 Acres NPBOD will not offer any \$0		NPBOD will not offer any														
14 Country Club Villas of NP (Area 12), 8.28 Acres future developer \$0	14 Country Club Villas of NP (Area 12), 8.28 Acres	future developer	\$0													
15 Country Club Villas of NP (Area 13), 2.12 Acres, 1.13 ac Dev reimbursement. No Exist. \$0	, , , , , , , , , , , , , , , , , , , ,															
16 HOA Country Club Tr (Area 16) 3.04 Acres Developer Agmt. Therefore \$0	16 HOA Country Club Tr (Area 16) 3.04 Acres	Developer Agmt. Therefore	\$0													

			\$5,500,000	\$4,225,000	\$7,500,000	\$20,840,000									
			Bond	Bond	Bond	Actual Bond	Projected Ye	ar when Funds v	vill be needed						
	and the testing to the		Issue #4	Issue #5	Issue #6	Issue #7		Bond Issue 8							
<u>Item</u>	Status (as of 3/18/24)	Amount	2016	<u>2018</u>	<u>2019</u>	2021/2022	2022	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>
17 Crosby Development Reserve A (Area 20), 4.87 Acres	est. amt. removed from CIP.	\$0 ***													
18 Newport Villages (Area 21) 15.31 Acres - Rampart		\$0													
19 187.7-acre Compass Tract (in Defined Area) - Dev. Reimb.	<u>In Defined Area</u>	<u>\$0</u>													
DEVELOPER CONTRIBUTION ITEMS TOTALS		\$7,737,395	\$0	\$0	\$3,849,004	\$1,859,471	\$0	\$1,808,921	\$220,000	\$0	\$0	\$0	\$0	\$0	\$0
Contingencies															
1 Contingencies (10% of District Construction Costs)					\$218,000	\$1,294,000	<u>\$0</u>	\$655,000	\$311,200	\$1,110,000	\$2,083,000	\$2,127,500	\$221,000	\$225,000	\$652,000
Contingencies Total			\$0	\$0	\$218,000	\$1,294,000	\$0	\$655,000	\$311,200	\$1,110,000	\$2,083,000	\$2,127,500	\$221,000	\$225,000	\$652,000
Engineering															
1 Developer Engineering						\$476,560		\$640,284							
2 Engineering & Surveying (22% of Construction Costs)	_		_		\$479,600	\$2,846,800	<u>\$0</u>	\$1,441,000	\$684,640	\$2,442,000	\$4,582,600	\$4,680,500	\$486,200	\$495,000	\$1,434,400
Engineering Total		\$0	\$0	\$0	\$479,600	\$2,846,800	\$0	\$2,081,284	\$684,640	\$2,442,000	\$4,582,600	\$4,680,500	\$486,200	\$495,000	\$1,434,400
CONSTRUCTION COSTS			\$445,000	\$1,142,900	\$6,726,604	\$18,940,271	\$0	\$11,095,205	\$4,327,840	\$14,652,000	\$27,495,600	\$28,083,000	\$2,917,200	\$2,970,000	\$8,606,400
IUOE Funds (\$4,500,000)	\$4.300.000 Available														
Insurance and FEMA Reimbursement Funds	\$2,173,911 Available														
	. , ,														
NON-CONSTRUCTION COSTS (Normally 15 % of Total BIR)	15.0%		\$0	\$0	\$773,396	\$1,899,730	\$0	\$1,334,795	\$763,736	\$2,585,647	\$4,852,165	\$4,955,824	\$514,800	\$524,118	\$1,518,776
TOTAL BOND ISSUE AMOUNT			\$445,000	\$1,142,900	\$7,500,000	\$20,840,000	\$0	\$12,430,000	\$5,091,576	\$17,237,647	\$32,347,765	\$33,038,824		\$3,494,118	\$10,125,176
WSD Bond Capacity					4	40.000.000	440.040.000	******	4000	400 500 400	4	40.5.005.000	4=0.00=.010	<b>*</b>	455.054.000
Previous WSD Bond Capacity					\$15,590,000	\$8,090,000	\$40,210,000	\$40,210,000	\$27,780,000	\$22,688,423	\$5,450,776	1 -//	-\$59,935,812	1 / - / -	-\$66,861,930
2020 Bond Authorization Amount					\$0	\$52,960,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Proposed Bond Issues during the year					\$7,500,000	\$20,840,000	<u>\$0</u>	\$12,430,000	\$5,091,576	\$17,237,647	\$32,347,765		\$3,432,000	\$3,494,118	\$10,125,176
Remaining WSD Bond Capacity Balance					\$8,090,000	\$40,210,000	\$40,210,000	\$27,780,000	\$22,688,423	\$5,450,776	-\$26,896,988	-\$59,935,812	-\$63,367,812	-\$66,861,930	-\$76,987,106
Inflation Adjustments															
Annual Inflation Values									3.0%	3.0%	2.0%	2.0%	2.0%	2.0%	2.0%
ANNUAL BIR INFLATION VALUES (3% per year from 2024-2026 and 2%	per year from 2027-2030)								\$5,401,653	\$18,836,042	\$38,195,513	\$39,791,729	\$4,216,146	\$4,378,306	\$12,941,105
1400 0 10 11 1 11 11 11 11															
WSD Bond Capacity (with Inflation)					445 500 000	40.000.000	440.240.655	440.240.022	427 700 000	422.270.245	62.542.20:	624 CE2 222	<u> </u>	A70.664.657	402.020.25
Previous WSD Bond Capacity					\$15,590,000	\$8,090,000	\$40,210,000	\$40,210,000	\$27,780,000	\$22,378,346	\$3,542,304		<u> </u>	· <i>'</i> · ·	-\$83,039,391
2020 Bond Authorization Amount					\$0	\$52,960,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Proposed Bond Issues during the year					\$7,500,000	\$20,840,000	<u>\$0</u>	\$12,430,000	\$5,401,653	\$18,836,042	\$38,195,513	\$39,791,729		\$4,378,306	\$12,941,105
Remaining WSD Bond Capacity Balance					\$8,090,000	\$40,210,000	\$40,210,000	\$27,780,000	\$22,378,346	\$3,542,304	-\$34,653,209	-\$74,444,938	-\$78,661,085	-\$83,039,391	-\$95,980,496

New	port MUD																		
	Distribution System - Inspection, Evaluation and Re	ehabilitation																	+
As of 3																			
	-					Bond Autl	norization Pri	ior to 2020	Bond Fund	s from May 20	20 Bond Electi	on			Year Anticipat	ed			
						Bond	Bond	Bond		Bond		Bond			·				
						Issue #4	Issue #5	Issue #6		Issue #7		Issue #8							
			Year	Pipe	Rehab	\$5.5M	\$4.225M	\$7.5M		\$20.84M		Proposed							
No.	Subdivision	Status (as of 3/18/24)	Platted	Material	Cost	2016	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
_	Country Club Villas of Newport Section 1 & 2		1982		\$0														
	Deerpointe Section 1		1978	AC	\$0														+
	Newport Country Club Estates Section 1		1979	AC	\$0														+
	Newport Country Club Golf Club		1972	AC	\$0														+
	Newport Court (Defined Area)		2016	PVC	\$0														+
	·	\$600,000 of BI7 Funds Reallocated to																	
6	Newport Section 1	SDH Utility Reloc	1972	AC	\$2,680,000							\$550,000		\$510,000	\$510,000		\$510,000		\$600,000
7	Newport Section 2		1972	AC	\$0														
	·	Adjustment due to increased	4070		44 = 22 222								4.55.555	4.00.000		4=== 000			
8	Newport Section 3	construction costs	1972	AC	\$1,520,000								\$460,000	\$490,000		\$570,000			
0	Newport Section 4	Adjustment due to increased	1972	AC	\$890,000													\$890,000	
9	Newport Section 4	construction costs	1972	AC	\$630,000													\$690,000	
10	Newport Section 4, Partial Replat 1		2016	PVC	\$0														
11	Newport Section 4, PR 4 (DH Builders)		2017	PVC	\$0														
		Adjustment due to increased																	
12	Newport Section 5	construction costs, Additional needs	1972	AC	\$1,440,000								\$530,000	\$370,000	\$540,000				
		identified.																	
13	Newport Section 6	Adjustment due to increased	1972	AC	\$900,000											\$530,000	\$370,000		
		construction costs	2010	D) (C	ćo														
	Newport Section 6, Partial Replat 1		2019	PVC	\$0														
	Newport Section 7		1972	AC	\$0														
	Newport Sec 7, Partial Replat No. 1		2018	PVC	\$0														
	Newport Sec 7, Partial Replat No. 3		2019	PVC	\$0														
	Newport Sec 7, Partial Replat No. 4		2019	PVC	\$0														
19	Newport Sec 7, Partial Replat No. 5		2020	PVC	\$0														
	Newport Section 8	Adjustment due to increased construction costs	1978	AC	\$570,000														\$570,000
	Newport Section 8, Partial Replat 1		2015	PVC	\$0														
	Newport Section 8, Partial Replat 3		2018	PVC	\$0														
23	Newport Section 8, Partial Replat 4		2017	PVC	\$0														
	Newport Section 9		2017	PVC	\$0														
_	Newport Section 10		1974	AC	\$0														
26	Newport Section 10, Partial Replat 1		2019	PVC	\$0														
27	Newport Section 11 (portion of Section 6 Res B)		2006 & 2010		\$0														
28	Newport Section 12 (Newport Villas)		2016	PVC	\$0														
29	Oaks at Newport Section 1		1981		\$0														
30	Patio Woods		1975	AC	\$0														
31	Seven Oaks North		2010	PVC	\$0														
32	Seven Oaks South		2014	PVC	\$0														
33	Union of Operating Engineers Training Fac.		2019	PVC	\$0														
34	Villas at Newport		2014	PVC	\$0														
35	Water Meter Replacement Program	Est. 20 year battery life	2018		\$1,500,000														
	S. Diamondhead Utility Relocation (Water)	Construction Start 2023	2023							\$970,000									
	Valve Survey and Replacement Program (Replace	\$120,000 of BI7 Funds Reallocated to								<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$250,000
_	approximately 50 valves per year)	SDH Utility Reloc																	
	Water Distribution Projects Total					\$0	\$0	\$0	\$0	\$970,000	\$0	\$550,000	\$1,240,000	\$1,620,000	\$1,300,000	\$1,350,000	\$1,130,000	\$1,140,000	\$1,420,000
	Total Bond Issue Requirement (1)	1								\$1,506,353	\$0	\$854,118	\$1,925,647	\$2,515,765	\$2,018,824	\$2,096,471	\$1,754,824	\$1,770,353	\$2,205,176
	(1) Total Bond Issue Requirement = Construction Co.	sts + Contingencies + Engineering + Bond	Issuance	Costs	J.														

Newport MUD	)									*All T\	/ Costs from	BI 4-6*													
•	er System - Inspection, Evaluation and Rehabil	itation									horization Pr		Bond Funds	from May 202	0 Bond Elect	tion			Year Anticipat	ed					
As of 3/6/23										\$50,000	\$1,142,900	\$615,433		\$2,720,000		\$2,000,000									
										Bond	Bond	Bond		Bond		Bond									
					High Wet		TV &	Line	Manhole	Issue #4	Issue #5	Issue #6		Issue #7		Issue #8									
			Year	Pipe	Weather	Expansive	Inspection	Rehab	Rehab Cost	\$5.5M	\$4.225M	\$7.5M		\$20.84M		Proposed			Ass	uming 1 Line F	Rehab and 1 M	H Rehab per Y	ear		
No.	<u>Subdivision</u>	Status (as of 3/18/24)	Platted	<u>Material</u>	<u>Flows</u>	<u>Soils</u>	Cost	<u>Cost</u>		<u>2016</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>	<u>2032</u>
	y Club Villas of Newport Section 1 & 2	100% TV	1982	Truss & Conc			\$20,000	\$23,225	¢11 265			\$20,000											¢12.000		
	y Club Villas of Newport Section 1 & 2 MHs	100% TV	1070	T 0.0			440.000	456.400	\$11,365			440.000		1		T			1		1	I	\$12,000		
	inte Section 1	100% TV	1978	Truss & Conc	1		\$10,000	\$56,493	Ć10 712			\$10,000									1		Ć44 000		
	inte Section 1 MHs	100% TV	1070	T -			440.000	404.040	\$10,742			440.000				T		1	1		1	I	\$11,000		
	rt Country Club Estates Section 1	100% TV	1979	Truss	l		\$10,000	\$81,940	47.464			\$10,000						I					40.000		
	rt Country Club Estates Section 1 MHs	100% TV		1	1		4	+	\$7,161							1						ı	\$8,000		
	rt Country Club Golf Club	100% TV	1972	Concrete	l		\$10,000	\$95,349				\$10,000													
	rt Country Club Golf Club MHs	100% TV	1						\$5,013							1	1					\$5,000	I		
	rt Court (Defined Area)		2016	+															-						<u> </u>
6 Newpor		100% TV; 10.5% rehabilitated	1972	Concrete	Υ	Υ	\$120,000	\$2,094,353			\$231,509	\$120,000		\$50,000		\$362,250		\$200,000			l .				
	rt Section 1 MHs	100% TV							\$507,194		\$10,804					\$200,000		\$140,000	\$60,000	\$50,000	\$25,000	T.	\$33,000		
7 Newpor		100% TV; 7.4% rehabilitated	1972	Truss & Conc			\$160,000	\$1,576,776			\$95,659	\$160,000		\$4,000		\$301,500		\$100,000							
	rt Section 2 MHs	100% TV							\$222,640			1		1		\$60,000		\$65,000			\$25,000	\$35,000	\$38,000		
8 Newpor		100% TV; 8.3% rehabilitated	1972	Truss & Conc	Υ	Υ	\$60,000	\$895,292			\$96,613	\$60,000		\$12,000		\$107,500					L				
	rt Section 3 MHs	100% TV							\$102,298											\$50,000	\$25,000			\$28,000	
9 Newpor	rt Section 4	100% TV	1972	Concrete			\$70,000	\$988,557				\$70,000		\$4,000		\$103,750									
Newpor	rt Section 4 MHs	100% TV							\$162,360									\$75,000			\$25,000	\$30,000	\$33,000		
10 Newpor	rt Section 4, Partial Replat 1		2016	PVC																					
11 Newpor	rt Section 4, PR 4 (DH Builders)		2017	PVC																					
12 Newpor	rt Section 5	100% TV	1972	Concrete	Υ	Υ	\$40,000	\$538,259				\$40,000													
Newpor	rt Section 5 MHs	100% TV	•	•	, ,		,		\$82,526			, ,										\$40,000		\$43,000	
13 Newpor	rt Section 6	100% TV; 38.8% rehabilitated	1972	Truss & Conc	Υ	Υ	\$80,669	\$1,123,962			\$266,461	\$80,669		\$400,000		\$297,500		\$350,000							
Newpor	rt Section 6 MHs	100% TV		•	,		'	,	\$266,200			,	,	'		\$90,000		\$20,000	\$60,000	\$50,000	\$25,000	,	,	\$21,000	
14 Newpor	rt Section 6, Partial Replat 1		2019	PVC																					
15 Newpor	rt Section 7	100% TV	1972	Truss			\$50,000	\$461,898				\$50,000													
	rt Section 7 MHs	100% TV	1	•					\$81,675				'			1		' '	"		\$25,000	\$25,000	1	\$32,000	
16 Newpor	rt Sec 7, Partial Replat No. 1		2018	PVC																				<u> </u>	
	rt Sec 7, Partial Replat No. 3		2019	PVC																					
	rt Sec 7, Partial Replat No. 4		2019	PVC																					
	rt Sec 7, Partial Replat No. 5		2020	PVC																					
20 Newpor	·	100% TV; 2% rehabilitated	1978	Truss			\$50,000	\$436,526			\$16,286	\$50,000													
	rt Section 8 MHs	100% TV	1	1	1			. , ,	\$98,228		\$23,528		- 1	1		1		1			\$25,000	\$20,000	\$33,000		1
	rt Section 8, Partial Replat 1		2015	PVC					, ,		, -,-					T					,	,	, ,		
	rt Section 8, Partial Replat 3		2018	PVC																					
	rt Section 8, Partial Replat 4		2017	PVC																					
24 Newpor	•		2017	PVC																					
25 Newpor		100% TV; 36% rehabilitated	_	Truss & Conc			\$50,000	\$768 414			\$189,729	\$50,000		\$280,000		\$427,500									
	rt Section 10 MHs	100% TV	1237	11 433 & 65116	1		<b>\$30,000</b>	ψ, σο, . I .	\$166,199		\$49,563	<b>\$30,000</b>		<b>\$200,000</b>		\$50,000		1		\$50,000	\$25,000	\$20,000	\$21,000		
	rt Section 10, Partial Replat 1	100% 11	2019	PVC					ψ200,233		ψ 13)303					750,000				<del>+50,000</del>	<b>\$23,000</b>	<del>\$20,000</del>	<b>V21,000</b>		
	rt Section 11 (portion of Section 6 Res B)		2006 &																						
28 Newpor	rt Section 12 (Newport Villas)		2010 2016																						
	Newport Section 1	100% TV; 16% rehabilitated	1981				\$10,000	\$29,978				\$10,000							1						
	Newport Section 1 MHs	100% TV	1		1				\$10,553			, ,,,,,	1			1	l 	I	1		I	1	\$11,000		
30 Patio W		100% TV	1975	Truss			\$10,000	\$40,055				\$10,000													
	/oods MHs	100% TV	1	1			,	,	\$4,774				1			1	! 		1		1	\$5,000	1		1
31 Seven C			2010	PVC					Ţ .,,, · · · ·													+3,000			
32 Seven C			2014																						<u> </u>
	of Operating Engineers Training Fac.		2019																1						<del>                                     </del>
34 Villas at			2013																†						
S. Diam	ondhead Utility Relocation (Sanitary), 000 of SS Rehab BI7 Funds Reallocated to SDH		2014											\$1,970,000											
		929/ TV /1009/ TV)	Lines (C	octions Built Detail	to 1000\						Ć14F 024	¢11 01 4							\$000,000	¢000 000	¢000 000	¢0E0 000	¢0E0 000	¢0E0 000	¢050.000
	y Sewer TV & Rehabilitation y Sewer Projects Total	83% TV (100% TV) 80% TV (100% TV)		ections Built Prior es (Sections Built		)				\$0	\$145,031 <b>\$1,125,183</b>		\$0	\$2,720,000	\$0	\$2,000,000	\$0	\$950,000	\$900,000 \$1,020,000	\$900,000 <b>\$1,100,000</b>	\$880,000 \$1,080,000	\$850,000 \$1,030,000	\$850,000 \$1,050,000	\$850,000 <b>\$974,000</b>	\$850,000 \$850,000
	ond Issue Requirement (1)										-			\$4,224,000	\$0	\$3,105,882	\$0	\$1,475,294	\$1,584,000						\$1,320,000
	al Bond Issue Requirement = Construction Cost	s + Contingencies+ Engineering +	Bond Issue	ance Costs										. , .,		, , , , , , , ,		. , .,	, , , , , , , ,	. ,,	. ,,	, , , , , , , , , , , , , , , , , , , ,	. ,	. ,,	. ,: ::,:30
12/1010																j	l .		1		1	1			

Segret Se	ewport MUD					Completed														
Seminary Property of the control of	ift Stations																			
March   Marc					1	Further investigation	on													
Part	- , , , , ,									BA Prior to 2020	Bond Fund	ls from May 2	020 Bond Ele	ection			Year Antio	cipated		
Part	paded 517715.gail Stallinouse, 112.										20114114111		220 20114 210				Tour rune.	parca		
Second	urface inspection performed on all lift stations in 2019			When	Conceptual	Conceptual	LAN			Issue #6		Issue #7								
Commonwest   Professor   Commonwest   Comm				Needed		<u>Cost</u>	Project Status (as of		Operations	\$7.5M		\$20.84M								
Column   C	No. Project	<u>Description and Information</u>	<u>Justification</u>	(Year)	(2019\$)	<u>(2022\$)</u>	<u>Number</u> <u>3/18/24)</u>	Bid Amount	<u>Funds</u>	<u>2019</u>	2020	<u>2021</u>	2022	<u>2023</u>	2024	<u>2025</u>	<u>2026</u>	<u>2027</u>	2028	<u>2029</u> <u>2030</u>
Comment   Comm	1 Compass Bank Lift Station - 6011-1/2 FM 2100	Wet Well	Constructed in 2014. Minor aggregate showing.	2030	\$20,000	\$40,000	Postponed 2030			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$40,00
Comment   Comm	2 Compact Pank Lift Station 6011 1/2 EM 2100	Picar Pinas	Constructed 2014 BVC	2020	\$20,000	\$20,000				¢n.	¢n.	¢n.	ćn	¢η	¢n.	¢n.	¢n.	¢n.	¢n.	\$0 \$20.00
Control Property   Control Pro												-			_					
Part	4 Compass Bank Lift Station - 6011-1/2 FM 2100												· ·							
Property	5 Compass Bank Lift Station - 6011-1/2 FM 2100	Misc Install fence, reset hatch,	Existing PVC fence is not 6' tall, does not have barbed wire, does not have a 16 ft wide access gate. Space within the fencing is limited and if possible be pushed out to provide more maneuverability. Bottom of fence needs repair. Hatch does not close completely, leaving a couple																	
Second State   Seco	Company Bank Life Station Total							T		ć30.000	Ć0	ćo	ćo	ćo	ćo	ćo	ćo	ćo	ćo	ćo ćoo oc
Property	Compass Bank Lift Station Total									\$20,000	ŞU	ŞU	ŞU	ŞU	ŞU	ŞU	ŞU	ŞU	ŞU	\$0 \$90,000
Property	6 Lift Station #1 - 514 Helmsman	Wet Well - Add Liner. Seal I/I	Age (1972)	2024	\$30.000	\$50.000	Postponed 2024			\$0	\$0	\$0	\$0	\$0	\$50.000	\$0	\$0	\$0	\$0	\$0 \$0
Process of the Control of the Cont	7 Lift Station #1 - 514 Helmsman										1	-	-							
## Secret From Programs   Mark - Regular Secret Color	8 Lift Station #1 - 514 Helmsman		Exterior pipe is chalking, dry pit pipes have signs of corrosion. Pipe supports need replacement. Valves																	
Statistical Control	9 Lift Station #1 - 514 Helmsman	MCC - Replace and Raise	Replace Prior to SCADA. Add site lighting.	2021	\$80,000	\$80,000	Coordinating with operator to rep	place in Q1 2024		\$0	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Proceedings   Proceedings   Procedure	10 Lift Station #1 - 514 Helmsman	Misc Install Access Drive	LS design manual (2016), requires an all-weather access drive to lift station such that the ROW is not	2024	\$16,000	\$16,000	Postponed 2024							·					·	
SOUTH PERSONNELLY CONTINUENCE   SOUTH PERSONNELLY CONTINUENC	Litt Station #1 Total									\$0	\$0	\$80,000	\$0	\$0	\$116,000	\$0	\$0	\$0	<b>\$0</b>	\$0 \$0
SOUTH PERSONNELLY CONTINUENCE   SOUTH PERSONNELLY CONTINUENC	11 ILIOE Lift Station	Wet Well	Constructed 2018	2033	\$n	Śn	No work planned			\$n	Śn	\$n	\$n	Śn	Śn	¢η	Śn	\$n	Śn	\$0 \$0
Mode of Statistics													-							
Section 19   Sec	13 IUOE Lift Station												· ·							
NOTE INSTRUCTION OF COME   Company	14 IUOE Lift Station	MCC		2048	\$0	\$0				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	
Machine 12 - 19662 Dames (b)	15 IUOE Lift Station	Misc. Items		2033	<u>\$0</u>	<u>\$0</u>				<u>\$0</u>	<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>			
Procedure   Proc	IUOE Lift Station Total									\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Procedure   Proc	46 US Station #2 46062 Provide	Manager Cool (	A (4072)	2024	¢20.000	¢50.000	D			ćo.	60	ćo	ćo	ćo	¢50.000	ćo	Ć0.	ćo	ćo	<u> </u>
Letters gas a challeng of yet gas believes and state. Seed to the control of the													· ·							
Sistenance 2 - 26/62 Durines Dr.  Misc Install Acress Drive  Sign of correction  Misc Install Acress Drive  Misc Install Acress Drive  Sign of correction  Misc Install Acress Drive  Si	18 Lift Station #2 - 16062 Dunes Dr.		Exterior pipe is chalking, dry pit pipes have signs of corrosion. Valves in good condition, some need							,										
Appears to have a crushed stone access. COH LS station R2 - 15602 During Dr. Milks - Install Access Drive Bright Frances and rive Bill. Station such that the ROWs need Dischards by a vehicle.  Uit Station R2 Testal  Uit Station R2 - 15602 During Dr. Milks - Install Access Drive Bright Frances and rive Bill. Station such that the ROWs need Dischards by a vehicle.  Uit Station R2 - 15602 During Dr. Milks - Install Access Drive Bright Frances and rive Bright Fr	19 Lift Station #2 - 16062 Dunes Dr.	MCC - Replace and Raise		2021	\$80,000	\$80,000	Coordinating with operator to rep	place in Q1 2024		\$0	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Wet Well - Add Lines, Seal   /	20 Lift Station #2 - 16062 Dunes Dr.	Misc Install Access Drive	Appears to have a crushed stone access. COH LS design manual (2016), requires an all-weather access drive to lift station such that the ROW is not	2024	\$16,000	\$16,000	Postponed 2024			\$0	\$0	\$0	\$0	\$0	\$16,000	\$0	\$0	\$0	\$0	\$0 \$0
Signs of corrosion   2018   Signs of corrosion   2018   S25,000   S0   S0   S0   S0   S0   S0   S0	Lift Station #2 Total									\$0	\$0	\$80,000	\$0	\$0	\$116,000	\$0	\$0	\$0	\$0	\$0 \$0
Signs of corrosion   2018   Signs of corrosion   2018   S25,000   S0   S0   S0   S0   S0   S0   S0																				
Lift Station #3 - 1212 S. Diamonthead Blvd Valves/ Yard Pipings - Replace and fill Yault. Station #3 - 1212 S. Diamonthead Blvd MCC Replaced in 2018 2038 \$0,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	21 Lift Station #3 - 1212 S. Diamondhead Blvd 22 Lift Station #3 - 1212 S. Diamondhead Blvd		Signs of corrosion												_					
Lift Station #3 - 1212 S. Diamondhead Blvd  Misc Install Fence  Existing fence is not min. 6 fall, does not	Lift Station #3 - 1212 S. Diamondhead Blvd		is brick with no working space. Move to surface and fill vault.																	
Column   C	24 Lift Station #3 - 1212 S. Diamondhead Blvd	MCC	i i	2053	\$0	\$0	Being replaced in SDH Util	ity Reloc		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Lift Station #4 - 931 Flying Bridge Way   Wet Well - Reline, Seal I/I   Coal tar liner is showing signs of deterioration.   2025   \$30,000   \$50	25 Lift Station #3 - 1212 S. Diamondhead Blvd	Misc Install Fence		2038	\$20,000	<u>\$0</u>	Being replaced in SDH Util	ity Reloc		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Lift Station #4 - 931 Flying Bridge Way  Misc Install Fence  Minor rust, fencing is close to electrical pole and if possible be pushed out to provide more maneuverability.  Lift Station #4 Total  Lift Station #4 Total  Signs of corrosion  2025 \$25,000 \$30,000 Postponed 2025  S25,000 \$30,000 Postponed 2025  S20,000 Postponed 2025	Lift Station #3 Total		encompass the valve vault. Add site lighting.							\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Lift Station #4 - 931 Flying Bridge Way  Misc Install Fence  Minor rust, fencing is close to electrical pole and if possible be pushed out to provide more maneuverability.  Lift Station #4 Total  Lift Station #4 Total  Signs of corrosion  2025 \$25,000 \$30,000 Postponed 2025  S25,000 \$30,000 Postponed 2025  S20,000 Postponed 2025																				
Lift Station #4 - 931 Flying Bridge Way  Valves/ Yard Piping - Replace  Exterior pipe is chalking.  2025 \$15,000 \$20,000 Postponed 2025 \$50,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	26 Lift Station #4 - 931 Flying Bridge Way	Wet Well - Reline, Seal I/I	Coal tar liner is showing signs of deterioration.	2025	\$30,000	\$50,000	Postponed 2025			\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0 \$0
Lift Station #4 - 931 Flying Bridge Way  MCC - Replace  Experiencing ongoing electrical issues with the service from the main. Age (1978). Replace prior to SCADA. Provide more site lighting  Misc Install Fence  Misc Install	27 Lift Station #4 - 931 Flying Bridge Way														· ·					
Lift Station #4 - 931 Flying Bridge Way  MCC - Replace  service from the main. Age (1978). Replace prior to SCADA. Provide more site lighting  Minor rust, fencing is close to electrical pole and if possible be pushed out to provide more maneuverability.  Lift Station #4 Total  Lift Station #4 - 931 Flying Bridge Way  Misc Install Fence  Minor rust, fencing is close to electrical pole and if possible be pushed out to provide more maneuverability.  Lift Station #4 Total  Lift Station #4 Flying Bridge Way  Misc Install Fence  Service from the main. Age (1978). Replace prior to SCADA. Provide more site lighting  Minor rust, fencing is close to electrical pole and if possible be pushed out to provide more maneuverability.  Lift Station #4 Total  Lift Station #4 Total	28 Lift Station #4 - 931 Flying Bridge Way	Valves/ Yard Piping - Replace	Exterior pipe is chalking.	2025	\$15,000	\$20,000	Postponed 2025			\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0 \$0
Lift Station #4 - 931 Flying Bridge Way  Misc Install Fence  possible be pushed out to provide more maneuverability.  Lift Station #4 Total  Lift Station #4 Total  Description #4 - 931 Flying Bridge Way  Misc Install Fence  possible be pushed out to provide more maneuverability.  \$10,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	29 Lift Station #4 - 931 Flying Bridge Way	MCC - Replace	service from the main. Age (1978). Replace prior to	2020	\$80,000	\$80,000	Funds Reallocated to SDH U	tility Reloc		\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Lift Station #4 Total \$90,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	30 Lift Station #4 - 931 Flying Bridge Way	Misc Install Fence	possible be pushed out to provide more	2020	\$10,000	\$10,000	Funds Reallocated to SDH U	tility Reloc		\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0
Lift Station #5 - 1310-1/2 Stem Way Wet Well - Add Liner, Seal I/I Age (1974). Minor deficiencies observed. 2026 \$30,000 \$50,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	Lift Station #4 Total		maneuverability.							\$90,000	\$0	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0 \$0
	31 Lift Station #5 - 1310-1/2 Stem Way	Wet Well - Add Liner, Seal I/I	Age (1974). Minor deficiencies observed.	2026	\$30,000	\$50,000				\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0 \$0

	T					T		T	T	1 1						T		1			
Newport MUD					Completed														$\vdash$		
Lift Stations					No longer applicat						<del></del>								$\leftarrow$		
As of 3/6/23					Further investigati	ion													$\vdash$		
Original Prepared by : Kelly Shipley, P.E.										BA Prior to 2020	Dond Fun	ds from May 20	120 Band Ela	oction			Year Anti	icinated			
Updated by: Abigail Stanhouse, P.E.										Bond	Bolla Full	Bond	JZU BUIIU EIE	Bond			real Allu	cipateu	-+	$\overline{}$	
Surface inspection performed on all lift stations in 2019			When	Conceptual	Conceptual	LAN				Issue #6		Issue #7		Issue #8					$\vdash$		
Surface inspection performed on all life stations in 2015			Needed	Cost	Cost	Project	Status (as of		Operations	\$7.5M		\$20.84M		13346 #6					-+	+	
No. Project	Description and Information	<u>Justification</u>	(Year)	(2019\$)	(2022\$)	Number	3/18/24)	Bid Amount	Funds	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
32 Lift Station #5 - 1310-1/2 Stem Way	Riser Pipes - Replace	Signs of corrosion	2026	\$25,000	\$30,000		27=27=-7			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000			\$0	\$0
33 Lift Station #5 - 1310-1/2 Stem Way	Valves/ Yard Piping - Replace	Signs of corrosion	2026	\$15,000	\$20,000					\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000			\$0	\$0
		Age (1974). Replace Prior to SCADA. Provide more	2024	¢00,000	¢00,000	Condination	tele and an extension	.1 1- 04 3034		¢o.	ćo	¢00.000	ćo	ćo.	ćo	ćo	<u> </u>	ćo	\$0	ćo.	<u> </u>
34 Lift Station #5 - 1310-1/2 Stem Way	MCC - Replace	site lighting	2021	\$80,000	\$80,000	Coordinating v	vith operator to re	place in Q1 2024		\$0	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Existing wooden fence is not 8' tall, does not have																			
		barbed wire, does not have a 16 ft wide access																	1		
35 Lift Station #5 - 1310-1/2 Stem Way	Misc Install Fence	gate. Poor condition. Space within the fencing is	2021	\$10,000	\$10,000	Coordinating v	vith operator to re	lace in Q1 2024		\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		limited and if possible relocate fence to provide																	1		
		more manueverability.																	$\longrightarrow$		
Lift Station #5 Total										\$0	\$0	\$90,000	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$0	\$0
				1															$\perp \perp$		
36 Lift Station #6 - 818 Handspike Way	Wet Well - Add Liner	Minor aggregate showing from aboveground	2024	\$30,000	\$50,000		Postponed 2024			\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0
		inspection. Age (1977)										·									
37 Lift Station #6 - 818 Handspike Way	Riser Pipes - Replace	Age (1977)	2024	\$25,000	\$30,000		Postponed 2024			\$0	\$0	\$0	\$0	\$0	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0
20 Uff Station HS 040 Handwill A Man	Value / Vand Bining Bankar	Exterior pipe is chalking, dry pit pipes have signs of	2024	¢45.000	¢20.000		D t 1 202 4			<b>*</b> 0	40	ćo	ćo	ćo	¢20.000	ćo	40	ćo	¢0	ćo	ćo
38 Lift Station #6 - 818 Handspike Way	Valves/ Yard Piping - Replace	corrosion. Valves in good condition, some need	2024	\$15,000	\$20,000		Postponed 2024			\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0
		recoating.																1			
39 Lift Station #6 - 818 Handspike Way	MCC - Replace	Move to surface for safer access. Age (1977).	2021	\$80,000	\$80,000		Completed			\$0	\$0	\$80,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Replace Prior to SCADA. Add site lighting.  Site currently does not have an access drive. COH						1	1			1			1	I		1			
		LS design manual (2016), requires an all-weather																	1		
40 Lift Station #6 - 818 Handspike Way	Misc Install Access Drive and	access drive to lift station such that the ROW is not	2024	\$20,000	\$20,000		Postponed 2024			\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0
40 Elit Station #0 - 010 Handspike way	Fence	blocked by a vehicle. Existing fence is not min. 6'	2024	720,000	\$20,000		1 03tponed 2024			50	,,0	Ç0	ΨŪ	ÇÜ	\$20,000	50	Ç	ŞÜ	1	JU	ÇÜ
		tall. Add Odor Control.																	1		
Lift Station #6 Total		tam / da dasi dantan								\$0	\$0	\$80,000	\$0	\$0	\$120,000	\$0	\$0	\$0	\$0	ŚO	\$0
												,								-	
		Age (1978). Radial crack around the exterior of the																			
41 Lift Station #7 - 15727 Via Dora	Wet Well - Add Liner, Seal I/I	wet well. Walls look good, joints have cracks	2027	\$30,000	\$50,000		Postponed 2027			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0	\$0
		nearby.																	$\longrightarrow$		
42 Lift Station #7 - 15727 Via Dora	Riser Pipes - Replace	Signs of corrosion	2027	\$25,000	\$30,000		Postponed 2027			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,000	\$0	\$0	\$0
43 Lift Station #7 - 15727 Via Dora	Valves/ Yard Piping - Recoat	Coating is chalky. Concrete pipe support is cracked,	2027	\$15,000	\$20,000		Postponed 2027			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,000	\$0	\$0	\$0
	, , ,	needs replacement.		, .,	, ,,,,,,							, -		, -				, .,			
44 Lift Station #7 - 15727 Via Dora	MCC - Replace	Age (1978). Add site lighting. Rotate generator	2027	\$80,000	\$150,000		Postponed 2027			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000	\$0	\$0	\$0
		hook up for easier access.																	$\vdash$		
45 Lift Station #7 - 15727 Via Dora	Misc Replace stairs, handrails	Bolt securing stairs is exposed and corroded.  Handrails have come apart in places. Existing fence	2027	\$15,000	\$15,000		Postponed 2027			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$0	\$0	\$0
45 Lift Station #7 - 15727 Via Bora	and fencing	is not min. 6' tall. Has rust.	2027	\$15,000	\$15,000		1 Ostponed 2027			90	50	γŪ	ΨŪ	70	50	50	ÇÜ	\$13,000	1 70	Ç0	Ų0
Lift Station #7 Total		is not min. o tail has rast.								\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$265,000	ŚO	\$0	\$0
,				1		1				1	"	7.	7*	7.	1	,,,	7.	7_25,000			
46 Seven Oaks Lift Station - 16146-1/2 Golf Club Dr	Wet Well	Constructed 2006, reline wet well	2029	\$30,000	\$50,000		Postponed 2029			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$	\$50,000	\$0
47 Seven Oaks Lift Station - 16146-1/2 Golf Club Dr	Riser Pipes	Constructed 2006, recoat piping	2029	\$15,000	\$15,000		Postponed 2029		_	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$15,000	\$0
48 Seven Oaks Lift Station - 16146-1/2 Golf Club Dr	Valves/ Yard Piping	Constructed 2006, recoat piping	2029	\$15,000	\$15,000		Postponed 2029			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$15,000	\$0
49 Seven Oaks Lift Station - 16146-1/2 Golf Club Dr	MCC	Constructed 2006	2036	\$0	\$0		No work planned			\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0
50 Seven Oaks Lift Station - 16146-1/2 Golf Club Dr	Misc. Items	Constructed 2006	<u>2029</u>	<u>\$0</u>	<u>\$0</u>		No work planned			<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>		<u>\$0</u>	<u>\$0</u>
Seven Oaks Lift Station Total										\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$	\$80,000	\$0
L'O Charles Burlant Table				+	64 547 000	1				6440.000	45	4222 OCC	60	60	42F2 055	6400.000	6400.555	. Ance and	60 1	ć00.00c	ć00.55
Lift Station Projects Total				+	\$1,517,000					\$110,000	\$0	\$330,000	\$0	\$0	\$352,000	\$100,000	\$100,000	\$265,000	\$0 \$	טטט,טאי	\$90,000
Total Bond Issue Poquirement (1)				+								\$512,471	\$0	\$0	\$546,635	\$155,294	\$1FF 304	\$411,529	¢n ^	124 225	£120.70
Total Bond Issue Requirement (1)				+	+	1						331Z,4/I	Ų	ŞU	\$340,035	3133,294	\$135,294	+ >411,529	φυ \$1	124,235	133,/6
(1) Total Bond Issue Requirement = Construction Co.	ets + Contingencies+ Engineering	+ Bond Issuance Costs		1	_[			1	1	1 1	1 1								$\vdash$		
(12) Total Bolia issue nequilement - Colistiaction Co	20 . CONTINUE CHOICEST FIREINEGHING	· Dona issuance costs												1	1	1		1	. 1		

Newport MUD Wastewater Treatment Plant	1.0 MGD WWTP constructed in 1972 0.3 MGD Expansion in 2008, 1.3 MGD Total			Completed No longer applica	able															
As of 3/6/23 Original Prepared by: Adam Anderson, P.E.	Currently permitted for 1.3 MGD			Desired but not re Further Investigat	equired for plant fund	ction														
Revised by : A Stanhouse, P.E.				Low	High						Bond Authorization	Prior to 2020	Bond Funds	from May 2020 Bond Ele	ection		Year Anticipa	ted		
		When	Conceptual	Range	Range Conceptual LA	NN:				Bond Issue #4	Bond Bond Issue #5 Issue #6			Bond Issue #7	Bond Issue #8					
		Needed	Cost Range	Conceptual Cost	Conceptual LA Cost Pro				Operations	\$5.5M	\$4.225M \$7.5M			\$20.84M	issue #o					
No. Project Description of Problem & Information	<u>Justification</u>	(years)	(2019\$)	(2022\$)	(2022\$) Nun	nber St	tatus (as of 3/18/24)	Bid Amount	<u>Funds</u>	<u>2016</u>	<u>2018</u> <u>2019</u>	<u>Funds</u> <u>Needed</u>	2020	<u>2021</u> <u>2022</u>	<u>2023</u> <u>2024</u>	2025	2026	<u>2027</u> <u>2028</u>	<u>2029</u>	2030
Projects Needed to Prevent Imminent Failure																				
Projects not yet completed from previous bond funds																				
1 Rehabilitate Clarifier #1 Aeration System			\$245,000				Completed 5/20/21	\$377,500		\$245,000		\$132,500								
2 Improvements		,	\$150,000		121	191 C	Completed 12/16/21	\$137,000		\$150,000		, , , , , , , , , , , , , , , , , , , ,			,			,		
Projects related to Flood Prevention																				
Porus Can Jacinta Eleadolain/Eleaduray	Without being remapped out of the Floodway, Harris County will	I							,		1				1	1			,	"
1 Remap Site out of 100-yr model with updated info. Submit to	not allow construction permits for a WWTP Expansion that	ASAP	\$40,000		121		OMR approved with fective date of 2/1/21				\$0									
reviewing agencies for a LOWK	extends above natural ground						rective date of 2/1/21													
Remap Site out of 100-yr and  If the WWTP site is in the Flood Plain, FP  Mitigation measures are required with	Could potentially reduce FEMA Insurance Premiums by \$75,000	After berm is																		
2 possibly 500-yr Flood Plain - Engineering building permits adding to the cost of the	per year, and reduce project costs by eliminating FP Mitigation measures	constructed	\$40,000		\$40,000													\$40,000		
project	The berm does not require USACE certification to be approved by																			
Apply to FEMA/HCFCD for a Certify that the existing Berm meets the US Certification of WWTP Berm - Corps Criteria. This could take 5 years to	FEMA as it is not attached to a navigable water body. However, FEMA prefers to have the US Army Corp review the berm for	After berm is constructed	\$140,000- \$340,000		\$300,000	Auth	horized Engineering on											\$300,000		
Engineering approve.	compliance.	constructed	3340,000				12/16/21													
4 Remove all trees from the Berm Required by the U.S. Army Corps of Engineers	Required by USACE for berm maintenance		\$85,000		\$85,000		I be incorporated with onstruction of berm													
Raise berm elevation 3 ft above expected							er HCFCD Regulations,													
5 Raise Flood Protection Berm 500 year Flood Plain pre-Atlas 14, a distance	Protect the WWTP from a Hurricane Harvey type flood. The berm cannot be raised until the site is remapped out of the flood plain.		\$3,700,000	\$5,700,000	\$22,200,000 123		ention and mitigation is									\$5,700,000	\$16,500,000			
of 6 vertical feet to elevation 38.0							required.													
Effluent & Storm Water Pump Motor Starters & VFD Controllers, Replace			\$500,000-																	
6 Station Improvements - Phase existing Pumps/Motors with 2 VFD	Proper operation during a flood or loss of power	ASAP	\$1,000,000		121	158 C	Completed 2/17/22	\$819,583			\$819,583									
Pumps/Motors, New duct bank		1	1					1 1		1 1	1			1	1	1	1 1	I I		
Relocate Ex. Pumps/Motors, Add 2 New	Required for WWTP operation during a flood or loss of power.	2025	\$1,000,000		\$1,500,000											\$1,500,000				
2 Pumps/Motors, Piping, Flow Control, Electrical	Also required with the WWTP expansion.	2023	\$1,000,000		71,300,000											J1,500,000				
New Flevated Operations At 5/16/19 meeting FEMA discussed	Required for WWTP operation during a flood or loss of power.																			
Building (Approx 1,500 SF building could be sized for future MCC	Harris County can permit construction at an elevation 2 ft above	2023	\$400,000-	\$800,000	\$1,600,000 121		ds collected 11/8/22; \$835,390 FEMA	\$1,295,000	\$460,610											
footprint at Elevation 39.0, 14 panels, for expansion and if another flood	500-yr flood elevation. The site will need to be remapped out of the flood way first.		\$800,000	,,	7-7-1-1-1		reimbursable	+ -//	7,											
event occurs																				
Projects required for existing plant to meet inspections, permit or regulations																				
Replace Air Lift Pumps from	Constitution of the second sec	,				Fund	ling included in BI7; wil	i	,		,	'				,				
1 Clarifier to Digestors with TCEQ requires measuring the flow	Cannot accurately measure flow with an air lift pump, Would prefer to have dry pit submersible pumps in the case of flooding -	ASAP	\$500,000		\$500,000	be i	included in the overall							\$500,000						
Dry/Pit Submersible Pumps		I	1 1				plant expansion			1 1	1				1	1	1.1	I	1	ı
Projects required due to projected buildout																				
Preliminary Engineering						PEF	R completed 4/15/20.													
1 Report for WWTP Expansion- \$109,757 available in Bond Issue 2018	To accommodate projected buildout	1	\$100,000- \$200,000		121	193 Sumn	mary letter presented a	t			\$109,757									
Engineering						the	4/1/20 Board Meeting													
						Pro	oject is in design. May													
2 WWTP Expansion Will need to expand the WWTP from 0.5 to 0.7 MGD for a total of 1.8 to 2.0 MGD	To accommodate projected buildout	2-10	\$8,400,000	\$9,000,000	\$17,500,000 121	193 recor	mmend construction be	2										\$17,500,000		
						sepa	arated into two phases.													
Projects to improve operational efficiencies																				
	A SCADA system will allow operational data collection from on-								•							,	•			
Ability to control the plant via Supervisory	line instrumentation to be recorded electronically. This will allow the staff to easily trend data. This can improve energy usage		£4 200 000		¢4 300 000	No	ot included in WWTP													ć4 200 000
1 SCADA System for WWTP Control And Data Acquisition System (SCADA)	among other operational improvements. Easily searchable		\$1,200,000		\$1,200,000		expansion.													\$1,200,000
	operations records is invaluable when trying to diagnose plant problems.																			
	A SCADA system will allow operational data collection from on-																			
	line instrumentation to be recorded electronically. Information such as pump run time, pressure, flow, wet well level, current		\$500,000			Ŋ.	ot included in MANA/TR													
SCADA System for Lift Stations prefer to have installed at the same time as     the WWTP SCADA.	(amp) draw, etc. will allow operational staff to detect some pump	2-10	\$500,000- \$1,300,000		\$1,500,000	NC	ot included in WWTP expansion.													\$1,500,000
the WWIP SCADA.	problems prior to pump failure and damage. SCADA monitoring will also allow operators to respond in a timely fashion helping to																			
	reduce sanitary sewer overflows (SSOs).																			
					1			1		l I				1	1	1				
	Online instrumentation for dissolved oxygen will allow energy																			
	savings. Electrical power for aeration is the most expensive operating cost in the WWTP. Typically, plants reduce energy use						he basin improvement													
Online instrumentation with control	by 30% when they shift from uncontrolled aeration to controlled						ject, they installed DO nitors to assist manual													
3 Online instrumentation capability for Dissolved Oxygen, Chlorine &	aeration. Online instrumentation is the first step. Other improvements will also be required to attain these savings,	2-10	\$100,000			cont	rol. May be included in													
Ammonia.	including: addition of automated aeration valves, blower						expansion if not cost ibitive. Need to evaluate	e												
	replacement, and possibly diffuser changes. An online ammonia analyzer will ensure that the lowest amount of air is being used						cost/benefit ratio.													
	while still meeting ammonia limits.																			
							ot applicable for the													
4 New control valves on Operational efficiency and safety	Operational efficiency and safety for operators during lightning	1				di	igester in the WWTP													
4 aeration and digestors Operational efficiency and safety	storms	1				fo	ansion. Will be included or the aeration in the													
							WWTP Expansion.													
New Automated Control  Valves throughout the plant Currently gate valves are operated manually	Operational efficiency and safety for operators during lightning	2-10																		
to control flows	storms	L								Ш					ll	L	H	l		
Clean & Televise 54" Trunk There is a buildup of approximately 2.5 feet	Restricting wastewater from reaching the WWTP	1				In	cluded in SS Ph. 2 TV													
Line of sludge in the line	,		,				(LAN#12261)					,								
7 Grease Control through Vapex Grease Control System	Help grease move through the system and prevent clogging. Field	5-10	\$600,000				nis item is part of the													
system vapex Grease Control system	testing of the equipment is recommended prior to purchase.	3.10	Ç000,000				collection system.													

March   Marc																			Completed			1.0 MGD WWTP constructed in 1972		+ MUD	Newpo
Mode	-+																	able							
Company   Comp	$\rightarrow$		1														nt function								
Teach   Teac	_																			_			n. P.F.	•	
Project   Proj	-	ed	Year Anticipat			ction	20 Bond Ele	rom May 202	Bond Funds f		or to 2020	orization Pric	Bond Auth										., · · · <del>-</del> ·		
March   Problem A Information   Problem A Information   Propert   Problem A Information   Problem A	-	-												Bond						Conceptual				-,	
Project Description of Problem & Information No. Project Description of Project Description of Problem & Information No. Project Description of Problem & Information No. Project Description of Project Description No. Project Description of Project Description Project Description No. Project Description Of Project Description Project Description Project Description Project Description Project Description Project D	-																LAN				When				
No. Project Operation of Proje	_							\$20.84M		Funds	Surplus	\$7.5M	\$4.225M	\$5.5M	Operations						Needed				
8 Add a liconer system for the software from the mainty plant and contract special and contract special efficiency. The special power to provide the excepted air.  9 Blower Modifications for Add Sentors, more extracted vibres, and and power to provide the excepted air.  10 Clebrine Rapide Multi System  11 TEXI, requirements  11 TEXI, requirements  12 MaX/WAS system  11 TEXI requirements  13 MaX/WAS system  11 TEXI requirements  13 MaX/WAS system  11 TEXI requirements  14 MaX/WAS system  15 Max/WAS syst	028 2029	2027 2028	2026	2025	2024	2023	2022		2020							Status (as of 3/18/24)					(vears)	Justification	Description of Problem & Information	Proiect	No.
sensor connected to motor actuated valves, and earlier and Digistry Basins show and programments and sensor connected to a method and programments and sensor somewhere the accurate the evolution and Digistry Basins show and the system, as needed.  **TCEQ requirements**  **TC																Blower system for Chlorine will be included in WWTP						A dedicated blower will simplify aeration control. A small blower	Disconnect the air line from the main plant aeration system and construct separate	dd a Blower system for the	
design and construction but does not meet the current requirements. Refer to TCG 92/72.88/a/2/7 Choirine and Sodium Hypochiorite Application. A disinfection system must apply the chindre gas or solution in a highly turbulent flow regime created by in-line diffusers, mechanical mixers, or jet mixers. Effective initial mixing for the mean velocity in intelligent in the mixer of design and construction but does not meet the current requirements. Refer to TCG 92/17.86/a/2/7 A monitoring and control return and waste studge flows. Refer to TCG 92/17.86/a/2/7 A monitoring and control return and waste studge flows. Refer to TCG 92/17.86/a/2/7 A monitoring and control return and waste studge flows. To control return display from each address to control return and waste studge flows. To measure waste studge flows, and to measure waste studge flows, into meach are return studge flows, and to measure waste studge flows. The pumps is included in WWIP Expansion Phase 1.  **TCEQ requirements**  **TCEQ requireme																through other improvements included in WWTP				\$1,200,000	stem in will be lata to a	sensors connected to motor actuated valves for the air system in the basins to control air flow in each basin. The sensors will be connected to a PLC to read the measurements and send data to a VFD connected to a new blower to help regulate the amount of	Add sensors, motor actuated valves, and a new blower controlled by a VFD to add air to		9
design and construction but does not meet the current requirements. Refer to TCEQ \$217.158(a)(2) "A monitoring and control system must protific and a means to control return and waste sludge flows from each clarifier, to control return sludge flows into each aeration basin, to meter return sludge flows into each aeration basin, to meter return sludge flows into each aeration basin, to meter return sludge flows, and to measure waste sludge flows. The present system using air lift pumps cannot be metered or adequately controlled to meet these requirements. In addition, air pumping is one of the most expensive ways to pump fluids    TCEQ requirements																Phase 2 with disinfection				\$320,000	ust w jet ent (G	design and construction but does not meet the current requirements. Refer to TCEQ 5217.281(a)(2) "Chlorine and Sodium Hypochlorite Application. A disinfection system must apply the chlorine gas or solution in a highly turbulent flow regime created by in-line diffusers, mechanical mixers, or jet mixers. Effective initial mixing for the mean velocity gradient (G	TCEQ requirements	Chlorine Rapid- Mix System	10
Improves operational efficiency. District may be able to reduce																pumps with self-priming pumps is included in WWTP				\$350,000	g and d waste lows d to lift eet	design and construction but does not meet the current requirements. Refer to TCEQ \$217.158(a)(2) "A monitoring and control system must provide a means to control return and waste sludge flows from each clarifier, to control return sludge flows into each aeration basin, to meter return sludge flows, and to measure waste sludge flows. The present system using air lift pumps cannot be metered or adequately controlled to meet these requirements. In addition, air pumping is one of the most	TCEQ requirements	RAS/WAS system	11
12 Screw Dewater System dewatering costs. S750,000 Review Cost/Denent ratio.				<u> </u>										<u> </u>	1	Review cost/benefit ratio.	1			\$750,000	reduce	Improves operational efficiency. District may be able to reduce dewatering costs.		Screw Dewater System	12
Wastewater Treatment Plant Projects Total         \$46,425,000         \$109,757         \$819,583         \$0         \$500,000         \$0         \$7,200,000         \$16,500,000         \$17,840,000	\$0 \$0	\$17,840,000 \$0	\$16,500,000	\$7,200,000	\$0	\$0	\$0	\$500,000	\$0			\$819,583	\$109,757	\$395,000				\$46,425,000					ts Total	rater Treatment Plant Projec	Waster
Total Bond Issue Requirement (1) \$0 \$776,471 \$0 \$0 \$0 \$11,181,176 \$25,623,529 \$27,704,471	\$0 \$0	\$27,704,471 \$0	\$25,623,529	\$11,181,176	\$0	\$0	\$0	\$776,471	\$0															and Issue Requirement (1)	Total B
(1) Total Bond Issue Requirement = Construction Costs + Contingencies+ Engineering + Bond Issuance Costs			<b>↓</b>																						

Newport MUD				Completed																					
Surface Water Treatment Plan As of 3/6/23	t			No longer applicab Desired but not re		unction																			
Prepared by : Luis Sanabria, P.E					Low	High						Bond Authorizat	ion Prior t	o 2020		Bond Funds	rom 2020 Bond E	lection				Year Anticip	ated		
Revised by : A Stanhouse, P.E.				Conceptual	Range	Range					Bond		ond				Bond			Bond					
			When Needed	Cost Range	Conceptual C		.AN oject		Bid	Operations Funds	\$5.5M		ie #6 .5M St	ırplus	Funds		\$20.84M	IS	ssue #8 Is	sue #8					
No. Project	Description of Problem, Project and Information	Justification	(years)	(2019\$)	(2022\$)		mber	Status (as of 3/18/24)	Amount	2020	2016	2018 20			Needed	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029 2030
Projects required to prevent In	nminent Failure It is believed that the Scraper Arm is out of alignment and is		1 1																						
1 Rehabilitate Tonka Clarifier	rubbing holes in the center column near bottom of the clarifier. A portion of the aeration feed to the clarifier is not passing through the center well and is not being properly clarified.	Need to repair before the scraper arms becomes lodged and stops operating	ASAP	\$100,000		12	2195	Completed 5/21/20	\$24,955	\$24,995															
Replace Existing Hydro Tank	The 20,000 gallon hydro-tank has only "20% of its interior coating remaining and some metal has corroded. After the design began, the compressor was found to be at the end of its useful life and the controls were inoperable. Both were replaced.	Improved safety and operation	ASAP	\$70,000		12	2194	Completed 9/1/20	\$163,500		\$50,000	\$45	,000												
Elevated Storage Tank 3 Interior & Exterior Recoating	600,000 gallon, composite tank. Exterior and interior recoating required.	The EST was coated in 2006. It should be recoated every 8-10 years or 2014-2016.	1	\$425,000		12	2197	Completed 8/20/20	\$351,500			\$42	5,000 \$7	73,500											
Projects required for existing p	plant to meet inspections, permit or regulations																								
1 Ground Storage Tank Exterior Coating	The existing GST has mold buildup on the exterior of the tank. The Operator tried power washing but the buildup does not come off.			\$120,000																			\$120,000		
Projects required due to proje																									
1 Expand SWTP from 2.4 to 4 MGD	\$4/gpd and high range is \$7/gpd. Projects #1 thru #9 below would be included in this expansion.	Meet buildout projects and HGSD requirements beginning in 2025	n .	\$4,800,000- \$8,400,000	\$4,000,000	\$5,000,000		Project is in design and projected to bid Q2 2024; delay with Purifics and TCEQ coordination.										\$4,	,000,000						
2 New Generator	Existing generator is 350 kW and is almost 25 yrs. old. The generator will be under-sized for the future needs (additional onsite 1300 gpm well with 200 Hp motor/pump). Need 700 kW Diesel Generator or 750 kW Natural Gas Generator. This assumes there is an adequate natural gas supply.		5-10	\$800,000- \$900,000	\$900,000			To be included in SWTP well replacement project.																	
Projects to improve the treatm	hent process and operational efficiencies, if chosen individually from	m the expansion																							
1 Treatability Study	This study would evaluate the most efficient mix of filter media and membrane filters to produce the optimum water quality at minimum operational costs	Improve the operational efficiencies	, ,	\$250,000	"			No longer applicable due to Purifics				1					'								
1A Purifics Filter Pilot Study	This study would evaluate the performance effectiveness and efficiency of the Purfics Filter to the treat/remove Total Organic Carbon (TOC) and Pathogens within the purification process	Improve the operational efficiencies	1	\$15,000- \$25,000		12	2151	Completed November 2020	\$23,000	\$23,000															
2 Add Membrane Filters	After determination of treatability study	Improve the operational efficiencies		\$500,000- \$800,000	\$7,038,000		210/	PER for Pilot Study completed 2/21 and sent to TCEQ for 7/21. Board purchased filters 9/22. Filters included in SWTP expansion project.	\$7,820,000								\$7,820,000								
Add Streaming Current/Zeta 3 Potentiometer for coagulant dosage control. Add online monitoring of	Adding equipment to monitor water quality and allow more accuracy in chemical dosing. Chemical dosing is a function of both water flow rate and water quality.	Improve the operational efficiencies		\$40,000		'		No longer applicable due to Purifics											<u>'</u>	<b>'</b>					
pH (D3), 4 Monochloramine, Total Cl2, NTU & Nitrate/Nitrite	Adding equipment to allow online analysis of water quantity and disinfectant concentrations	Improve the operational efficiencies		\$80,000				No longer applicable due to Purifics																	
Add online monitoring of pH (D2), Monochloramine, Total Cl2, Free Ammonia	Adding equipment to allow online analysis of water quantity and disinfectant concentrations	Ensures chemical dosing is adequate and prevents overdosing		\$75,000				No longer applicable due to Purifics																	
Add Inline Mixers at  Clarifiers for Chlorine and Liquid Ammonia Sulphate	Plant does not meet current TAC Ch 290.42e7 regulations to flash mix Chloramines but did meet the regulations in place at the time of design & construction. These changes will be required with a plant expansion. An inline mixer would be added to fully disperse disinfecting chemicals.	Include with SWTP Expansion		\$20,000				No longer applicable due to Purifics																	
Change Filter Media from Powder Activated 7 Carbon to Sand and Granular Activated Carbon	The current Powder Activated Carbon Filter Media is very messy to work with	Improve operations		\$200,000				No longer applicable due to Purifics																	
Add Pretreatment Basin - 8 to add Chlorine and Aerate the Water	This will be required with a Plant Expansion to meet TAC Ch 290.42 regulations.	Improve the operational efficiencies		\$500,000				No longer applicable due to Purifics																	
9 Add equipment to mix 9 water within the Water Storage Tanks	Pulsed air. Red Valve, Pipeflex, or SolarBee. Will help keep nitrification down when using chloramine. Could potentially remove this project.	Improve water quality		\$350,000	1	\$350,000		Desired but not required for plant function (PUS 12/22)					ı					1					1	1	\$350,000
Plant #2 Water Well and	Water well at WP#2 is not used due to taste & odor issues. A TV inspection shows the well casing is in bad condition. Recommend abandoning and plugging the well at WP#2 and drill new well at SWTP.	A new well is required		\$1,300,000- \$1,500,000	\$1,800,000	52,200,000		Reviewing preliminary layout of proposed well Q4 2023. BI7 Funds Reallocated to purchase Purifics Filters. Abandon existing Water Plant #2 Water Well is included in Water Plant Tab.														\$1,800,000			
Surface Water Treatmen	t Plant Projects Total				\$	15,370,000					\$50,000	\$0 \$47	0,000		\$0	\$0	\$7,820,000	\$0 \$4,	,000,000	\$0	\$0		\$120,000	\$0	\$0 \$350,000
Total Bond Issue Require	ement (1)		+													\$0	\$12,144,000	\$0 \$6	,211,765	\$0	\$0	\$2,795.294	\$186,353	\$0	\$0 \$543,529
																7-	,,,	, = , 50,	,	,-	7-	, 5,_54	,,	/-	, , , , , , , , , , , , , , , , , , , ,
(1) Total Bond Issue Requ	irement = Construction Costs + Contingencies + Engineering + Bond Is	suance Costs																Ī							

Newpo	rt MUD			Desired bu	ut not require	d for plant fu	nction																				
Water	Plants			Further In	vestigation																						
As of 3,	/6/23																										-
Prepare	ed by : Adam Anderson, P.E.					Low	High						Bond Auth	orization Pri	or to 2020		Bond Fu	nds from Ma	ay 2020 Bo	nd Election			Year Anticipa	ted			
Revised	by : A Stanhouse, P.E.				Conceptual	Range	Range					Bond	Bond	Bond				Bond									
				When	Cost	Conceptua	Conceptual	LAN				Issue #4	Issue #5	Issue #6				Issue #7	,								
				Needed	Range	Cost	Cost	Project			Operations	\$5.5M	\$4.225M	\$7.5M	Surplus	Funds		\$20.84N	1								
No.	<u>Project</u>	Description of Problem, Project and Information	<u>Justification</u>	(years)	(2019\$)	(2022\$)	(2022\$)	Number	Status (as of 3/18/24)	<b>Bid Amount</b>	<u>Funds</u>	<u>2016</u>	2018	<u>2019</u>	<u>Funds</u>	Needed	2020	<u>2021</u>	2022	2023	2024	<u>2025</u>	<u>2026</u>	2027	<u>2028</u> <u>20</u>	29	<u>2030</u>
	Water Plant No. 1 (Constructed in 1978)																										
1	Replace the two existing submersible pump motors (combined 1900 gpm) in Water Well 1 with one Vertical Turbine motor and pump	One pump is 60 HP and the other is 75 HP. Every 8 - 10 years the motor & pump need to be rehabbed. At the next pump & motor rehab consider replacing the 2 pumps with a single pump & motor.	Reduce the repair cost in half		\$300,000		\$400,000																	\$400,000			
2	Install an Aeration Tank on Platform	Need to reduce or remove the sulfide levels	To remove sulfide odor in water		\$200,000		\$200,000		PER completed 12/2023, at 1/2024 meeting board authorized further study									\$200,000	0								
3	Remove & replace all valves	The site has 30 yr. old valves, which are difficult to operate					\$200,000																	\$200,000			
4	Change the roof pitch and recoat of building	Existing roof is flat and doesn't drain well, possibly change to gable roof			\$50,000		\$50,000																				\$50,000
5	Add equipment to mix water within the 500,000 gallon Water Storage Tank	Add mixing equipment to keep consistent water age throughout tank and provide uniform chlorine residual			\$110,000		\$110,000																			:	\$110,000
6	Install one isolation valve on distribution pipe inside water plant.	The existing water plant does not have an isolation valve and one is needed for maintenance purposes			\$15,000		\$15,000							\$15,000													
	Water Plant No. 2 (Constructed in 1973)																										
1	Cap and abandon existing Water Well at Water Plant #2 (1300 gpm).	Well is not used. A TV inspection shows casing in poor condition and water quality is not good. Recommend abandon and cap well.			\$40,000		\$150,000		Well to be capped by fall 2026. Replacement Water Well is included in Surface Water Plant Tab									\$40,000	)				\$110,000				
																					1						
Water	Plant Projects Total		\$0	\$0		\$0	\$1,125,000					\$0	\$0	\$15,000	\$0	\$0	\$0	\$240,000	0 \$0	\$0	\$0	\$0	\$110,000 \$	600,000	\$0 <b>\$</b>	: 00	\$160,000
Total D	and leave Beautinement (1)													ć22.204			ćo	¢272.70/	c ćo	ćo	ćo	ćo	¢170.024 ¢	024 765	ćo ć		\$248,471
ı otai B	ond Issue Requirement (1)						1							\$23,294			\$0	\$372,706	6 \$0	\$0	\$0	\$0	\$170,824 \$	951,/65	\$0 \$	60 :	248,4/1
(1) Tota	 al Bond Issue Requirement = Construction Costs + C	Contingencies + Engineering + Rond Issuance Costs					1														1						
(1) 100	a pona issue nequirement - construction costs + c	contingencies - Engineering + Dona issuance costs						1		1	1	1	1					1		1	1		1			<u> </u>	

New	oort MUD													
Dete	ntion Ponds													
As of	3/6/23													
	<b>Detention Ponds</b>	Amount	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>
1	Newport Court - Detention Pond													
2	Newport Section 7 - Detention Pond													
3	Newport Section 8 - Detention Pond													
4	Newport Section 9 - Detention Pond													
5	Newport Section 10, PR1 - Detention Pond													
<u>6</u>	Seven Oaks Detention Pond													
	Detention Pond Projects Total		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Total Bond Issue Requirement (1)		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	(1) Total Bond Issue Requirement = Construction C	osts + Contingencies+	Engineering	+ Bond Issua	ance Costs									

Newport MUD														
Facilities														
As of 3/6/23		Bond												
		Issue #7												
	<u>Cost</u>	<u>2020</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	
Admin Bldg	\$250,000	\$250,000												
Facilities Total		\$250,000	\$0	\$0	\$0	\$0	\$0	\$0						
Total Bond Issue Requirement (1)		\$388,235	\$0	\$0	\$0									
(1) Total Bond Issue Red	quirement = Constru	action Costs + Conti	ngencies+ Engine	ering + Bond	l Issuance C	osts								ı