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Tab 1b. General Forest of the control Forest of	1 N									-	·	
Estimated Projected Proj	2	Nater I	Rate Study									
S	3 1	Γab 1b	. General									
Fractors												
Fractors	5				Estimated			Projected				
S	6			FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Notes	
S		actors										
Column C		a.										To Table 4
11 d. Benefits cost increases	9	b.									Bureau of Labor Statistics CPI, West - Size Class B/C Jan 2019-20	To Table 2
12 2	10	c.		Per Budget		3.0%			3.0%			To Table 2
14 g. Pet change in water use (excl. HOA irrigation and raw) 0.00% 0	11	d.				8.0%						To Table 2
14 g. Pet change in Water use (excl. HOA irrigation and raw) 0.00% 0	12			0.0%		0.0%			0.0%			To Table 2
14 g. Pet change in water use (excl. HOA irrigation and raw) 0.00% 0	13	f.		Per Budget								To Table 2
17	14	g.										To Table 2
17	15											To Table 2
18	16											To Table 2
1	17	•		Per Budget							ENR CCI 20-City Average Jan 2020	
20	18											To Table 7b
21	19			\$500,000								To Table 4
22 0. Loan repayment to Capital Fund 50 \$0 \$0 \$0 \$0 \$0 \$0 \$0	20											To Table 4
Water Projections Sayr average Toggle Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	21											To Table 4
Water Projections Sayr average Toggle Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	22						\$0	\$0	\$0	\$0		To Table 2
Water Projections Sayr average (Toggle) Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	23						/					
Water Projections Sayr average Toggle Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	24			Per Budget							average annual incr 2001-2015	To Table 2
Water Projections Sayr average Toggle Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	25	r.	Water Banking Rebate	EMILO	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%		
Water Projections Sayr average (Toggle) Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	27				Consoity	Conneity Pot	io					
Water Projections Sayr average (Toggle) Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	28				Сарасну							
Water Projections Sayr average (Toggle) Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	29											
Water Projections Sayr average (Toggle) Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	30											
Water Projections Sayr average (Toggle) Water projections include either 2018 and 2019 use or 2017, 2018 and 2019 use	31			Raw Water		3.20	assumed per	AWWA M1 m	anual, 7th Ed	dition, Table	B-2	
Reserve Policies Operations Fund Operation	32 V	Nater F		_								
Reserve Policies Operations Fund Operation	33		3-yr average	(Toggle)	Water project	ctions include	either 2018 and	d 2019 use or	2017, 2018	and 2019 us	e	
Operations Fund Operations		_										
Purpose Working capital for O&M cash flow during the year. Highest. If not maintained, interfund loans are needed. Minimum balance 3 months of annual O&M costs Infrastructure Replacement Funds Purpose For wastewater master plan construction projects. Model Tables included Tables included Tab 1a. Summary Tab 1b. General Tab 2. Revenue Requirement Projection Tab 3a. Revenue Increases Tab 3b. Revenue at current rates												
Funding priority Highest. If not maintained, interfund loans are needed. 3 months of annual O&M costs Infrastructure Replacement Funds Purpose For wastewater master plan construction projects. Funding priority Second highest. Target balance No Minimum or Maximum. Should be reviewed periodically		Operati										
Minimum balance 3 months of annual O&M costs 40 Infrastructure Replacement Funds												
Infrastructure Replacement Funds Purpose For wastewater master plan construction projects.	38						are needed.					
Infrastructure Replacement Funds	39		Minimum palance	3 months of ar	inuai O&ivi co	SIS						
42PurposeFor wastewater master plan construction projects.43Funding prioritySecond highest.44Target balanceNo Minimum or Maximum. Should be reviewed periodically45Model Tables Included47Tab 1a. Summary48Tab 1b. General49Tab 2. Revenue Requirement Projection50Tab 3a. Revenue Increases51Tab 3b. Revenue at current rates	40	nfract-	uctura Bankaamant Eunda									
Funding priority Second highest. No Minimum or Maximum. Should be reviewed periodically Model Tables Included Tab 1a. Summary In ab 1a. Summary Second highest. No Minimum or Maximum. Should be reviewed periodically Tab 1a. Summary Second highest. No Minimum or Maximum. Should be reviewed periodically Tab 1a. Summary Second highest. No Minimum or Maximum. Should be reviewed periodically Tab 1a. Summary Second highest. No Minimum or Maximum. Should be reviewed periodically	41 1	ııııaslı		For wastewate	r maeter nlan	construction	nrojects					
Target balance No Minimum or Maximum. Should be reviewed periodically Model Tables Included Tab 1a. Summary Tab 1a. Summary Tab 1b. General Tab 2. Revenue Requirement Projection Tab 3a. Revenue at current rates	42					CONSTRUCTION	projects.					
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		ills Water District	D		<u> </u>				<u> </u>		<u> </u>
	Nater Rate										
		enue Requirement Projection									
4		ondo Roquiromont i Tojoodon									
5			Table 1B	Budgeted	Budgeted			Projected			
6			Factors	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Notes
7											
	Operating	Costs - Pump Stations									
9	60301	Salaries/Wages	C.	\$ 59,063	\$ 60,835	\$ 62,660	\$ 64,540	\$ 66,476	\$ 68,471	\$ 70,525	
10	60391	Benefits	d.	5,456	5,892	6,364	6,873	7,423	8,017	8,658	
11	60300	Other Payroll-related	C.	21,565	22,212	22,879	23,565	24,272	25,000	25,750	
12	62002	Repairs & Maint.	b.	30,000	30,840	31,704	32,591	33,504	34,442	35,406	
13	62003	Generator Maint.	b.	-	-	-	-	-	-	-	
14	62049	Permits & Fees	b.	820	843	867	891	916	941	968	
15	62102	Electricity - Pump Stations	f.	202,000	208,060	214,302	220,731	227,353	234,173		_
16		Total Pump Station Op Costs		\$ 318,905	\$ 328,683	\$ 338,775	\$ 349,191	\$ 359,943	\$ 371,044	\$ 382,505	
17		0 t - W-t T t t									
18		Costs - Water Treatment	_	Φ 250.070	ф 200 F7F	ф 074.000	ф 200 FC (e 204.040	A 405.001	e 440.000	
19 20	60351 60391	Salaries/Wages	c. d.	\$ 350,073 23,129	\$ 360,575 24,979	\$ 371,393 26,978	\$ 382,534 29,136	\$ 394,010 31,467	\$ 405,831 33,984		
21		Benefits Other Payroll-related			24,979 94,164	26,978 96,989	,			,	
22	60300 63002	Repairs & Maintenance	c. b.	91,421 51,500	52,942	96,989 54,424	99,899 55,948	102,895 57,515	105,982 59,125		
23	63002	Small Equipment	b.	1,500	1,542	1,585	1,630	1,675	1,722		
24	63004	Generator Maint.	b. f	18,000	18,540	19,096	19,669	20,259	20,867	21,493	
25	63004	Pump Repair	b.	3,000	3,084	3,170	3,259	3,350	3,444	,	
26	63010	WTP Supplies	b.	42,000	43,176	44,385	45,628	46,905	48,219		
26 27	63011	Chemicals	f.	66,000	67,980	70,019	72,120	74,284	76,512		
28	63012	Water Filtration Media	b.	2,000	2,056	2,114	2,173	2,234	2,296	,	
29	63013	Tank Cleaning	b.	20,000	20,560	21,136	21,727	22,336	22,961	23,604	
30	63048	H2O Sampling/Testing	b.	144,000	148,032	152,177	156,438	160,818	165,321	169,950	
31	63049	Permits & Fees	b.	14,588	14,996	15,416	15,848	16,292	16,748	17,217	
32	61052	Purchased Water for Treated Use	i.	450,910	458,125	465,455	472,902	480,468	488,156	495,966	
33 34	61051	Purchased Water for Raw Use	q.	828,899	842,162	855,636	869,326	883,236	897,367	911,725	
34	61053	Pioneer/Cross Valley Admin Costs	b.	50,000	51,400	52,839	54,319	55,840	57,403	,	County Admin charge, District is challenging. This may change.
35	63061	Lab Trailer Rent	b.	8,400	8,635	8,877	9,126	9,381	9,644	9,914	
36	63062	Water Truck Lease	b.	-	-	-	-	-	-	-	
37	63063	Water Truck Repair	b.	-	-	-	-	-	-	-	
38	63064	Water Truck Rental	b.	10,000	10,280	10,568	10,864	11,168	11,481	11,802	
39 40	63102 63201	Electricity - Water Treatment	t. b.	66,000	67,980	70,019	72,120	74,284	76,512		
41	64002	Computer/SCADA Support Repairs & Maintenance	b. b.	1,000	1,028	- 1,057	1,086	- 1,117	- 1,148	- 1,180	
42	64002	Distribution Inspection	b. b.	1,000	1,020	1,057	1,000	1,117	1,140	1,100	
43	64005	New Flow Meter	b.	14,000	14,392	14,795	15,209	15,635	16,073	16,523	
44		Pumps	b.	10.000	10.280	10.568	10.864	11.168	11.481	11,802	
45		Total Water Treatment Costs		\$ 2,266,421	\$ 2,316,909	\$ 2,368,696	\$ 2,421,824	\$ 2,476,336	\$ 2,532,277		-
46					,	,,	, ,	,	,		
	Operating	Costs - Marshal Davis Well	b.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
48											
	Operating	Costs - Waste Water	b.	\$ 554,000	\$ 569,512	\$ 585,458	\$ 601,851	\$ 618,703	\$ 636,027	\$ 653,835	
50	_							_			
	Operating	Costs - Storm Drain	b.	4,693	\$ 4,825	\$ 4,960	\$ 5,099	\$ 5,242	\$ 5,388	\$ 5,539	
52			,	A 100 15=	400.15=	A 407.0					15/2010 10 15/2010 00 5: 11.5::
	Operating (Costs - Principal and Interest (Equip. Loans	<u>s)</u>	\$ 483,127	\$ 483,127	\$ 437,676	\$ 4,798	\$ -	\$ -	\$ -	Source: and FY 2018-19 and FY 2019-20 Financial Statements
54											

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1		ills Water District						·	-		_
2	Water Rat	e Study									
3	Tab 2. Re	venue Requirement Projection									
4											
5			Table 1B	Budgeted	Budgeted			Projected			
6			Factors	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Notes
	General &	Administrative									
56	60381	Salaries/Wages	C.	\$ 48,713	\$ 50,174	\$ 51,679	\$ 53,229	\$ 54,826	\$ 56,471	\$ 58,165	
57	60391	Benefits	d.	3,403	3,676	3,970	4,287	4,630	5,001	5,401	
58	60335	Contract Labor	b.	-	-	-	-	-	-	-	
59	60300	Other Payroll-related	C.	13,452	13,856	14,272	14,700	15,141	15,595	16,063	
60	68701	Attorney	b.	72,000	74,016	76,088	78,219	80,409	82,661	84,975	
61	68702	Engineering	b.	40,000	41,120	42,271	43,455	44,672	45,923	47,208	
62	68703	Accounting	b.	18,500	19,018	19,551	20,098	20,661	21,239	21,834	
62 63		Other G&A	b.	232,801	239,319	246,020	252,909	259,990	267,270	274,754	_
64		Total G&A		\$ 428,869	\$ 441,179	\$ 453,851	\$ 466,897	\$ 480,329	\$ 494,159	\$ 508,400	
65											
66	Total C	perating Expenses		\$ 4,056,015						. , ,	
67					2.2%	1.1%	-8.1%	2.4%	2.5%	2.5%	
		ating Revenue		_							
69		Banking Revenue		\$ -	\$ (500,000)						
70		of Water Banking Revenue given as rebate		(40.000)	500,000	500,000	500,000	500,000	500,000	500,000	
71 72	Late Fe		b.	(13,200)		(13,200)					
72		on Area Maintenance	b.	(9,600)							
73	Backflo	w Testing	b.	(2,000)	(2,056)	(2,114)	(2,173)	(2,234)	(2,296)	(2,360)	
74 75	Total N	on-Operating Revenue		\$ (24,800)	\$ (11,925)	\$ (25,459)	\$ (26,172)	\$ (26,904)	\$ (27,658)	\$ (28,432)	
76	Total N	on-Operating Revenue		\$ (24,800)) \$ (11,925)	\$ (25,459)	\$ (26,172)	\$ (26,904)	\$ (27,658)	\$ (28,432)	
77											
	RESERVE	EXPENSE To/(From)									
13		` '	<u>"</u>	_					_		
80 81		ng Reserve		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	From Table 4
81	PAYGo	Capital Expense			101,660	101,660	101,660	101,660	101,660		From Table 4
82		Subtotal, Reserve Expense		\$ -	\$ 101,660	\$ 101,660	\$ 101,660	\$ 101,660	\$ 101,660	\$ 101,660	_
83	N 4 5			A	A 1000 0 ==	A 100= 1:-	A A A A A A A A A A A A A A A A A A A		A 11100=	A 1010 CT	_
84	Net Re	venue Requirement		\$ 4,031,215	\$ 4,233,969	\$ 4,265,61 7	\$ 3,925,149	\$ 4,015,309	\$ 4,112,897	\$ 4,213,201	_
85				6 (554.000)	(500 540)	A (505.450)	* (004.054)	4 (040 700)	4 (222.22)	A (050.005)	
86 87		Vaste Water Expenses - Direct	b.	\$ (554,000)							
		Vaste Water Expenses - Alloc G&A Costs) \$ (115,481)		\$ (156,722)			,	
88		torm Drain Expenses - Direct	b.	\$ (4,693) \$ (951)							
89	Less: S	torm Drain Expenses - Alloc G&A Costs		\$ (951)) \$ (978)	\$ (1,034)	\$ (1,328)	\$ (1,366)	\$ (1,405)	\$ (1,446)	
90	Adiust	nd Not Povenue Poquirement		¢ 2 250 242	\$ 3,543,173	¢ 2 EE2 122	¢ 2 160 140	£ 2 220 760	£ 2 204 20E	¢ 2 201 720	- To Table 2
91	Aajust	ed Net Revenue Requirement		a 3,359,312			\$ 3,160,149				
92		% Change			5.5%	0.3%	-11.0%	2.2%	2.3%	2.3%	

	Α	В	С	D	Е	F	G	Н	I	J
1	Western	Hills Water District								
2	Water Ra	te Study								
3	Tab 3a. R	Revenue Increases								
4										
5							Projected			_
6				FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Notes
7										
8		Revenue from Current Rates (before rate increase	ses)							
9		Revenue from Current Rates and Customers		\$926,498	\$926,498	\$926,498	\$926,498	\$926,498	. ,	From Table 3b
10		Revenue from Growth in Customers		\$0	\$0	\$0	\$0	\$0	7.	From Table 3b
11		Developer Contribution		\$0	\$0	\$0	\$0	\$0	\$0	_
12		Net Revenue at Current Rates		\$926,498	\$926,498	\$926,498	\$926,498	\$926,498	\$926,498	
13		Less: Net Revenue Requirement		(\$3,543,173)	(\$3,552,132)	(\$3,160,149)	(\$3,228,768)	(\$3,304,205)	(\$3,381,728)	From Table 2
5 6 7 8 9 10 11 12 13 14 15				(00.040.0==)	/AA AAN ATT	(00.000.000	(00.000.000)	(44 444 444)	(00 100 000)	
15		Surplus/(Deficit) before rate increase		(\$2,616,675)	(\$2,625,633)	(\$2,233,651)	(\$2,302,270)	(\$2,377,706)	(\$2,455,229)	
16		Shortfall as % of Revenue at Current Rates		282.4%	283.4%	241.1%	248.5%	256.6%	265.0%	
17		Annual Change in Rate Revenue Needed			1.0%	-42.3%	7.4%	8.1%	8.4%	
10		Revenue from Rates with Rate Increases								
20		Average Rate Change		0.0%	283.4%	-11.0%	2.4%	2.4%	2.4%	
21		Cumulative Increase		0.0%	283.4%	241.2%	249.4%	257.8%		To Table 1a
22		Total Revenue from Existing Rates		0.070		/0	= 101170	201.070	200.170	
23		Revenue from Current Rates		\$ 926,498	\$ 926,498	\$ 926,498	\$ 926,498	\$ 926,498	\$ 926,498	
24		-	Months	, , , , , ,	,,	, , , , , , ,	, , , , , , ,	, , , , , ,	,,	
25		Revenue from Rate Increases	Effective							
26		FY 2019-20 (effective 1/1/19)	0							
27		FY 2020-21 (effective 1/1/21)	12	\$0	\$0	\$0	\$0	\$0	\$0	
28		FY 2021-22 (effective 7/1/21)	12		\$2,625,559	\$2,625,559	\$2,625,559	\$2,625,559	\$2,625,559	
29		FY 2022-23 (effective 7/1/22)	12			(\$390,726)	(\$390,726)	(\$390,726)	(\$390,726)	
30		FY 2023-24 (effective 7/1/23)	12				\$75,872	\$75,872	\$75,872	
31		FY 2024-25 (effective 7/1/24)	12					\$77,693	\$77,693	
32		FY 2025-26 (effective 7/1/25)	12						\$79,557	_
33		Subtotal - Revenue from Rate Increases		\$0	\$2,625,559	\$2,234,833	\$2,310,705	\$2,388,398	\$2,467,955	_
34										_
35		Total Rate Revenue (after rate adjustments)		\$926,498	\$3,552,057	\$3,161,331	\$3,237,203	\$3,314,896	, - , ,	Line 11+ 12
36		Less: Net Revenue Requirement		(\$3,543,173)	(\$3,552,132)	(\$3,160,149)	(\$3,228,768)	(\$3,304,205)	(\$3,381,728)	From Table 2
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38		Surplus/(Deficit) after Rate Increase		(\$2,616,675)	(\$74)	\$1,182	\$8,435	\$10,691	\$12 726	To Table 4
30		outplus/(Delicit) after Nate ilicrease		(42,010,075)	(\$74)	φ1,102	ψ0, 4 33	क् । ७,७५ ।	φ1∠,1∠0	10 14

	A B	С	D	AC	AP I	AQ	AR	AS	AT
1	Western Hills Water District	C	Г	AC	AF	AQ	AIX	AG	NI NI
2	Water Rate Study								
3	Tab 3b. Revenue at current rates								
4	Tub ob. Neveride at current rates		Annual Total						
5		FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Notes
6	Water Service Charge Revenue at Current Rates								
7	Treated Water Customers								
8	Residential								
5 6 7 8 9 10	Residential (1")								
10	Residential - Beginning of the year	595	595	595	595	595	595	595	
11	Residential - Growth during the year	0	0	0	0	0	0	0	
12	Residential - End of the year	595	595	595	595	595	595	595	
13	Monthly Rate (1")	\$100.69	\$100.69	\$100.69	\$100.69	\$100.69	\$100.69	\$100.69	
14	Annual Revenue	\$718,927	\$718,927	\$718,927	\$718,927	\$718,927	\$718,927	\$718,927	
15	Annual Revenue due to Growth		\$0	\$0	\$0	\$0	\$0	\$0	
16									
17	Undeveloped - Developer Paid Meters	0	0	0	0	0	0		Annual values are a monthly average
18	Monthly Rate (1")	\$100.69	\$100.69	\$100.69	\$100.69	\$100.69	\$100.69	\$100.69	
19	Annual Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Tab 3a
20	A 10 11 11 10	#740.007	T 1: 400						
21	Annual Residential Revenue	\$718,927	\$718,927	\$718,927	\$718,927	\$718,927	\$718,927		To Line 100
22	Annual Residential Revenue due to New Growth	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0		To Line 119
23	Annual Revenue (Developer Payment)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Line 126
24	Residential HOA								
25	HOA (1-1/2")	1	1	1	1	1	1	1	
27	HOA (1-1/2) HOA (2")	4	4	4	4	4	4	4	
28	Monthly Rate (1-1/2")	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
29	Monthly Rate (1-1/2)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
30	Annual Revenue	\$0	\$0	\$0	\$0	\$0	\$0		To Line 101
31	/ umaai i toromao	40	~	40	40	40	40	40	
32	Non-Residential								
33	District Office (1")	1	1	1	1	1	1	1	
34	Fire Station (1")	1	1	1	1	1	1	1	
35	Commercial Owners Assoc (COA) (2")	8	8	8	8	8	8	8	
36	Golf Course (1")	1	0	0	0	0	0	0	
37	Golf Course (2")	1	0	0	0	0	0	0	
38	Monthly Rate (1")	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
12 13 14 15 16 17 18 19 20 21 22 23 32 4 25 26 27 28 30 31 32 33 34 43 35 36 37 38 39 40 41 42 42 43 44 45 46 46 47 48 48 48 48 48 48 48 48 48 48 48 48 48	Monthly Rate (2")	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
40	District, Fire, COA Annual Revenue	\$0	\$0	\$0	\$0	\$0	\$0		To Line 102
41	Golf Course - Treated Annual Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Line 103
42	- w								
43	Raw Water Customers	_	_	_	_	_	_	_	
44	Vineyard (2")	0	0	0	0	0	0	0	
45	COA #9 (2")	1	1	1	1	1	1	1	
46	Golf Course (2")	1 ec. 22	0	0	0	0	0	0	
47	Monthly Rate (2") Vineyard, COA Annual Revenue	\$0.00 \$0	\$0.00 \$0	\$0.00 \$0	\$0.00 \$0	\$0.00 \$0	\$0.00 \$0	\$0.00	To Line 106
40	Golf Course - Raw Annual Revenue	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0		To Line 106
50	Goil Course - Naw Armuai Revenue	φυ	\$0	\$0	\$0	\$0	\$0	φ0	TO LINE TO!
50									

	A B	С	Р	AC	AP	AQ	AR	AS	AT
1	Western Hills Water District	<u> </u>		7.0	711	710	741	710	All
	Water Rate Study								
	Tab 3b. Revenue at current rates								
	Tub ob. Nevenue at current rates		Annual Total						
5		FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Notes
51	Water Consumption Charge Revenue at Current Rates	20.0 20	2020 21	202 . 22	2022 20	1 1 2020 24	1 1 202 7 20	2020 20	.110.00
52	Treated Water Customers								
53	Residential	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2024-26	
54	# of Residential Accounts - Beginning of year	595	595	595	595	595	595	595	
55	Average residential monthly water use (HCF)	12.9	12.9	12.9	12.9	12.9	12.9	12.9	
56	Total Residential Monthly Water Use (HCF)	7.647	7,647	7,647	7,647	7,647	7,647	7,647	
57	rotarrios de montany rrator oso (r.o.)	.,	.,	.,	.,	.,	.,	,	Average residential monthly water use (HCF)
58	Current Rate per HCF	\$1.49	\$1.49	\$1.49	\$1.49	\$1.49	\$1.49	\$1.49	
59	ourion rate per rior	V o	V	4	Ψσ	Ψο	Ψσ	ψσ	
60	Monthly Residential Revenue	\$11,393	\$11,393	\$11,393	\$11,393	\$11,393	\$11,393	\$11,393	-
61	monany resolutional revenue	12	12	12	12	12	12	12	
62	Annual Residential Consumption Charge Revenue	\$136,721	\$136,721	\$136,721	\$136,721	\$136,721	\$136,721	\$136,721	•
63	Annual Residential Revenue due to Growth	\$0	\$0	\$0	\$0	\$0	\$0		To Line 120
64	Subtotal (Net of Growth)	\$136,721	\$136,721	\$136,721	\$136,721	\$136,721	\$136,721		To Line 112
65	,	,,	,,	,,	,	,,	, ,	,,	
66	Residential HOA								
67	Water use per year (HCF)								
68	HOA (1-1/2")	4,221	4,221	4,221	4,221	4,221	4,221	4,221	
69	HOA (2")	4,173	4,173	4,173	4,173	4.173	4.173	4,173	
70	Subtotal	8,394	8,394	8,394	8,394	8,394	8,394	8,394	•
71	Current Rate per HCF	\$5.87	\$5.87	\$5.87	\$5.87	\$5.87	\$5.87	\$5.87	
72	Annual Residential HOA Water Use Revenue	\$49,270	\$49,270	\$49,270	\$49,270	\$49,270	\$49,270		To Line 113
73	Annual Revenue due to Growth	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Line 121
74									
75	Non-Residential								
76	Water use per year (HCF)								
77	Commercial Owners Assoc (COA) (2")	3,441	3,441	3,441	3,441	3,441	3,441	3,441	
78	Golf Course (1")	-	-	-	-	-	-	-	
79	Golf Course (2")	-	-	-	-	-	-	-	
80	District Office	157	157	157	157	157	157	157	
81	Fire Station	32	32	32	32	32	32	32	
82	Subtotal	3,629	3,629	3,629	3,629	3,629	3,629	3,629	
4 5 51 52 53 54 55 56 67 68 69 60 61 62 63 66 67 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 96 96 96 97 97 97 97 97 97 97 97 97 97	Current Rate per HCF	\$5.87	\$5.87	\$5.87	\$5.87	\$5.87	\$5.87	\$5.87	
84	Non-Residential HOA Cons. Charge Revenue	\$21,304	\$21,304	\$21,304	\$21,304	\$21,304	\$21,304	. ,	To Line 114
85	Annual Revenue due to Growth	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Line 122
86									
87	Raw Water Customers								
88	Water use per year (HCF)								
89	Vineyard	-	-	-	-	-	-	-	
90	Golf Course	-	-	-	-	-	-	-	
91	2" Meter (COA #9)	69	69	69	69	69	69	69	
92	Subtotal	69	69	69	69	69	69	69	
93	Current Rate per HCF	\$4.01	\$4.01	\$4.01	\$4.01	\$4.01	\$4.01	\$4.01	
94	Annual Raw Water Revenue	\$276	\$276	\$276	\$276	\$276	\$276		To Line 115
95	Annual Revenue due to Growth	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Line 123
96									

Water Rate Study Property P		, I B I	С	Р	AC	AP	AQ	AR I	AS	I AT
Tab Survey Tab					7.0	7.11	٠.٩	7 " "	7.0	
Sample Part										
Marie Mari	_									
135		ab ob. Novolido de odificile ratos		Annual Total	Annual Total	Annual Total	Annual Total	Annual Total	Annual Total	
135	5		FY 2019-20							Notes
135	97	Revenue Summary	1 1 2010 20	1 1 2020 21		2022 20	1 1 2020 24	1 1 202 7 20	2020 20	11000
135	98	•								=
135	99									
135	100		\$718 927	\$718 927	\$718 927	\$718 927	\$718 927	\$718 927	\$718 927	
135	101		. ,	. ,		. ,	. ,		. ,	
135	102					•				
135	103	• •								
135	104									
135	105		Ψσ,σΞ.	ψσ,σΞ.	ψσ,σΞ.	ψσ,σ2.	ψσ,σΞ.	ψσ,σΞ.	ψσ,σΞ.	
135	106		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
135	107									
135	108									
135	109		Ų.	Ψü	40	40	Ψü	40	40	
135	110	Annual Treated Water Service Charge Revenue	\$718.927	\$718.927	\$718.927	\$718.927	\$718.927	\$718.927	\$718.927	From Above
135	111		. ,	. ,		. ,			. ,	
135	112					•		•	• -	
135	113		. ,	. ,		. ,	. ,	. ,	. ,	
135	114						. ,			
135	115									
135	116									-
135	117	·	, , , , , , ,	, , , , , ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,	, ,	, , , , , ,	, , , , , ,	
135	118	Growth								
135	119		\$0	\$0	\$0	\$0	\$0	\$0	\$0	
135	120	Annual Residential Consumption Charge Revenue	\$0	\$0		\$0		\$0		
135	121	Annual Residential HOA Cons. Chg Revenue	\$0	\$0	\$0	\$0	\$0	\$0		
135	122	Non-Residential HOA Cons. Chg Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
135	123	Annual Raw Water Cons. Chg Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
135	124	Subtotal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Table 3a
135	125									-
135	126	Annual Fixed Service Revenue (Developer Payment)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	To Table 3a
135	127									
135	128	Total Revenue at Current Rates	\$926,498	\$926,498	\$926,498	\$926,498	\$926,498	\$926,498	\$926,498	Sum of Rows 116, 124, 126
135	129	(incl. Growth and Developer Pymts)								
135	130									
135	131		FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	_
135	132		\$718,927	\$718,927	\$718,927	\$718,927	\$718,927	\$718,927	\$718,927]
135	133	Annual Treated Water Consump. Charge Revenue	\$207,295	\$207,295	\$207,295	\$207,295	\$207,295	\$207,295	\$207,295	
135	134	Total Treated Water Rate Revenue	\$926,222	\$926,222	\$926,222	\$926,222	\$926,222	\$926,222	\$926,222	1
Annual Raw Water Service Charge Revenue	135				. ,	• •	• •	• •	. ,	
Annual Raw Water Consump. Charge Revenue \$276	136	Annual Raw Water Service Charge Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
138 Total Raw Water Rate Revenue \$276 \$276 \$276 \$276 \$276 \$276 \$276	137									
100 Table 100 Ta	138	' ~		· · · · · · · · · · · · · · · · · · ·	<u> </u>					
T39I	139	- Committee Francis Fr	+1.0	72.0	72.0	72.0	72.0	72.0		ı

	ALBI C I D I	E I	F I	G	н Г	1 1	J	l K
1	Western Hills Water District		· ·		l.			
2	Water Rate Study							
3	Tab 4. Reserves							
4				Projected				
5		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Notes
6	Operating Reserve Funds With Rate Increase							
7	Revenue Increase							_
8	Annual increases	0.0%	283.4%	-11.0%	2.4%	2.4%	2.4%	From Table 1a
9	Cumulative increase		283.4%	241.2%	249.4%	257.8%	266.4%	
10								
	Operations Fund							
12	Beginning Balance	-	\$0	(\$74)	\$1,119	\$9,676	\$20,712	
13	Operating Surplus/(Shortfall)	(\$2,616,675)	(\$74)	\$1,182	\$8,435	\$10,691	. ,	From Table 3a
14	Subsidy	\$2,616,675	\$0	\$0	\$0	\$0	\$0	
15		\$0	(\$74)	\$1,107	\$9,554	\$20,368	\$33,437	
16								
17	Transfers (to)/from							
18	Revenue Requirement	\$0	\$0	\$0	\$0	\$0	\$0	To Table 2
19	Subtotal - Transfers	\$0	\$0	\$0	\$0	\$0	\$0	_
20 21	Subtotal - Fund Balance	\$0	(\$74)	\$1,107	\$9,554	\$20,368	\$33,437	
	Estimated Interest Earnings	\$0	\$0	\$12	\$122	\$344	\$620	_
22	Ending Balance	\$0	(\$74)	\$1,119	\$9,676	\$20,712	\$34,057	
23	Minimum Balance	\$1,036,059	\$1,047,354	\$962,415	\$985,138	\$1,009,724	\$1,034,993	3 months of O&M

	A B	С	D	Е	F	G	Н	I	J
1	Western Hills Water District								
2	Water Rate Study								
3	Tab 5. CIP								
4		Budgeted	Estimated			Projected			
	Project # Project Name	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Total Cost
6									
7	Motors for Lift Stations 2, 3 & 4	\$31,799	\$0	\$0	\$0	\$0	\$0	\$0	\$ 31,799
8	Chemical Pumps	\$24,402	\$0	\$0	\$0	\$0	\$0	\$0	\$ 24,402
9	Chlorine & Turbidity Meters & contro		\$0	\$0	\$0	\$0	\$0	\$0	\$ 40,387
10	Purchase of WTP Lab Trailer	\$24,000	\$0	\$0	\$0	\$0	\$0	\$0	\$ 24,000
11	Water Truck	\$184,325	\$0	\$0	\$0	\$0	\$0	\$0	\$ 184,325
12	Future CIP Projects	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 600,000
13	· ·	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
14	Total Projects	\$304,913	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$ 904,913
15	=								
16	Total Operating	\$96,588		\$100,000	\$100,000				
17	Total Replacement		\$0	\$0	\$0	\$0	\$0	\$0	\$ 208,325
18	Total Unfunded	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
19	Total Annual Project Cost	\$304,913	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$904,913
20									
21	Construction Cost Inflation	0.0%	1.7%	1.7%	1.7%	1.7%	1.7%	1.7%	
22				*					
23	Inflated Operating Total			\$101,660	\$101,660				
24	Inflated Replacement Total			\$0	\$0	\$0	\$0	\$0	
25	Inflated Unfunded Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$ -
26									

	A	С	D	E	F	G	Н	I
1	Western Hills Water District	•		•				
2	Water Rate Study							
3	Tab 6. Debt Service							
4								
5								
6					Projected			
7		FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	
8	2007 Caterpillar Financial Services (matur	res 2022)						
9	Principal	\$410,494	\$400,388					
10	Interest	\$40,638	\$13,151					
11	Total Payment	\$451,132	\$413,539	\$0	\$0	\$0	\$0	per debt service schedule
12								
13	2016 Dodge Ram (matures 2023)							
14	Principal	\$27,776	\$22,468	\$4,709				
15	Interest	\$4,219	\$1,669	\$89				
16	Total Payment	\$31,995	\$24,137	\$4,798	\$0	\$0	\$0	per debt service schedule
17								_
18		\$483,127	\$437,676	\$4,798	\$0	\$0	\$0	
19								
	# of Parcels	595	595	595	595	595	595	
21								
22	Annual Loan Payment per Parcel	\$811.98	\$735.59	\$8.06	\$0.00	\$0.00	\$0.00	
23	Monthly Loan Payment per Parcel	\$67.66	\$61.30	\$0.67	\$0.00	\$0.00	\$0.00	
24								

1 Western Hills Water District 2 Water Rate Study Tab 7a. COS Analysis FY2021-22 5 6 7		Projected	Allocation											
3 Tab 7a. COS Analysis FY2021-22 4 5 6 7		Projected	Allocation											
4 5 6 7		Projected	Allocation											
5 6 7		Projected	Allocation											
6 7		Projected	Allocation											
7			7 (11000411011			er Services	;			Vater		•		
7				Treated - Res	Treated - Res			Raw		rvices		Storm		
		FY 2021-22	Factor	(Current)	(Growth)	Treated -	NonRes	Num	Su	ıbtotal	Sewer	Drain	G	rand Total
8														
9 Operating Costs - Water Purchases														
10 Purchased Water for Treated Use		\$ 465,455	Treated Usage	449,177			16,277	-		465,455	-	-		465,455
11 Purchased Water for Raw Use		\$ 855,636	Total Usage	825,166			29,903	567		855,636	-	<u> </u>		855,636
	Total Water Purchases	\$ 1,321,091		\$ 1,274,344	\$ -	\$	46,180	\$ 567	\$	1,321,091	\$ -	\$ -		1,321,091
13 Operating Costs - Pump Stations 14 60301 Salaries/Wages		00.000	T.4.111	00.400			0.400			00.000				00.000
		\$ 62,660	Total Usage	60,429				\$ 42	\$	62,660	-	-		62,660
		6,364	Total Usage	6,137			222	4		6,364	-	-		6,364
16 60300 Other Payroll-related 17 62002 Repairs & Maint.		22,879	Total Usage	22,064			800 1,108	15		22,879	-	-	1	22,879
17 62002 Repairs & Maint. 18 62003 Generator Maint.		31,704	Total Usage Total Usage	30,575			1,108	21		31,704	-	-	1	31,704
19 62049 Permits & Fees		867	Total Usage	836			30	- 1		867		-	1	867
20 62102 Electricity - Pump Stations		214,302	Total Usage	206,670			7,489	142		214,302		-	1	214,302
	Pump Station Op Costs		Total Osage		\$ -	\$		\$ 225	\$	338,775	\$ -	\$ -	\vdash	338,775
22	unip otation op costs	Ψ 330,773		Ψ 320,711	Ψ -	Ψ	11,000	Ψ 223	Ψ	330,773	Ψ -	Ψ -		330,773
23 Operating Costs - Water Treatment													1	
24 60351 Salaries/Wages		\$ 371,393	Treated Usage	358,405			12.988	\$ -	\$	371,393	_	_		371.393
25 60391 Benefits		26,978	Treated Usage	26,034				\$ -		26,978	_	-		26,978
26 60300 Other Payroll-related		96,989	Treated Usage	93,597				\$ -		96,989	_	-		96,989
27 63002 Repairs & Maintenance		54,424	Treated Usage	52,521				\$ -		54,424	-	-		54,424
28 63003 Small Equipment		1,585	Treated Usage	1,530			55	\$ -		1,585	-	-		1,585
29 63004 Generator Maint.		19,096	Treated Usage	18,428			668	\$ -		19,096	-	-		19,096
30 63006 Pump Repair		3,170	Treated Usage	3,059			111	\$ -		3,170	-	-		3,170
31 63010 WTP Supplies		44,385	Treated Usage	42,833			1,552	\$ -		44,385	-	-		44,385
32 63011 Chemicals		70,019	Treated Usage	67,571			2,449	\$ -		70,019	-	-		70,019
33 63012 Water Filtration Media		2,114	Treated Usage	2,040				\$ -		2,114	-	-		2,114
34 63013 Tank Cleaning		21,136	Treated Usage	20,397				\$ -		21,136	-	-		21,136
35 63048 H2O Sampling/Testing		152,177	Treated Usage	146,855				\$ -		152,177	-	-		152,177
36 63049 Permits & Fees		15,416	Treated Usage	14,877				\$ -		15,416	-	-		15,416
37 61053 Pioneer/Cross Valley Admi	n Costs	52,839	Treated Usage	50,991				\$ -		52,839	-	-		52,839
38 63061 Lab Trailer Rent		8,877	Treated Usage	8,567				\$ -		8,877	-	-		8,877
39 63062 Water Truck Lease		-	Treated Usage	-				\$ -		-	-	-		-
40 63063 Water Truck Repair			Treated Usage					\$ -			-	-		
41 63064 Water Truck Rental		10,568	Treated Usage	10,198				\$ -		10,568	-	-		10,568
24 60351 Salaries/Wages 25 60391 Benefits 26 60300 Other Payroll-related 27 63002 Repairs & Maintenance 28 63003 Small Equipment 29 63004 Generator Maint. 30 63006 Pump Repair 31 63010 WTP Supplies 32 63011 Chemicals 33 63012 Water Filtration Media 34 63013 Tank Cleaning 35 63048 H2O Sampling/Testing 36 63049 Permits & Fees 37 61053 Pioneer/Cross Valley Admi 38 63061 Lab Trailer Rent 39 63062 Water Truck Lease 40 63063 Water Truck Repair 41 63064 Water Truck Rental 42 63102 Electricity - Water Treatme 43 63201 Computer/SCADA Support 44 64002 Repairs & Maintenance		70,019	Treated Usage	67,571			-,	\$ - \$ -		70,019	-	-	1	70,019
43 63201 Computer/SCADA Support 44 64002 Repairs & Maintenance		1,057	Treated Usage Treated Usage	- 1,020				\$ - \$ -		- 1,057	-	-	1	1,057
45 64003 Distribution Inspection		1,057	Treated Usage	1,020				\$ -		1,007		-	1	1,007
46 64005 New Flow Meter		14,795	Treated Usage	- 14,278				\$ -		- 14,795	_	-	1	14,795
47 64004 Pumps		10,568	Treated Usage	10,198			370	Ψ - -		10,568				10,568
	Nater Treatment Costs		Treated Usage		\$ -	\$		\$ -	\$	1,047,605	\$ -	\$ -	\$	1,047,605
49	Houdinont Josta	Ψ 1,047,000	. routou oouge	ψ 1,010,000	-	Ÿ	50,000	*	Ψ	.,541,000	-	Ψ -	ľ	.,047,000
50 Operating Costs - Marshal Davis Wel	1	\$ -	Total Usage	_			-	\$ -	\$	_	\$ -	\$ -	\$	-
51	•		- 3					•				•	Ι΄	
52 Operating Costs - Waste Water		\$ 585,458	Direct	-			-	_	\$	-	\$ 585,458	\$ -	\$	585,458
53												•	Ι΄	/
54 Operating Costs - Storm Drain		4,960	Direct	-			-	-	\$	-	\$ -	\$ 4,960	\$	4,960
55												• • • • • • • • • • • • • • • • • • • •	1	•
56 Operating Costs - Principal and Inter	est (Equip. Loans)	\$ 437,676	Total Usage	422,090			15,296	290	\$	437,676	\$ -	\$ -	\$	437,676
57														
58 Subtotal Operating Costs		\$ 2,075,699		\$ 1,433,059	\$ -	\$,	\$ 290	\$	1,485,281	\$ 585,458			2,075,699
59			% of Grand Total	69.0%	0.0%		2.5%	0.0%		71.6%	28.2%	0.2%	1	100.0%
60		% of	f Water Service Subtotal	96.5%	0.0%		3.5%	0.0%		100.0%			1	
61													1	

	А В С	D	E	F	G	Н		I	J	К	L	M
	Nestern Hills Water District											
	Nater Rate Study											
3	Γab 7a. COS Analysis FY2021-22											
4												
5		Projected	Allocation			ter Services			Water			
				Treated - Res	Treated - Res			Raw	Services		Storm	
6		FY 2021-22	Factor	(Current)	(Growth)	Treated - NonR	es	Naw	Subtotal	Sewer	Drain	Grand Total
62	Capital Costs			İ						I		į l
63 64	Motors for Lift Stations 2, 3 & 4	\$ -	Total Usage	-		-	\$	-	\$ -	\$ -	\$ -	\$ -
64	Chemical Pumps	\$ -	Total Usage	-		-	\$	-	-	\$ -	\$ -	-
65	Chlorine & Turbidity Meters & controllers	\$ -	Total Usage	-		-	\$	-	-	\$ -	\$ -	-
66 67	Purchase of WTP Lab Trailer	\$ -	Total Usage	-		-	\$	-	-	\$ -	\$ -	-
67	Water Truck	\$ -	Total Usage	-		-	\$	-	-	\$ -	\$ -	-
68	Future CIP Projects	\$ 101,660	Total Usage	98,040		3,5	53 \$	67	101,660	\$ -	\$ -	101,660
69	Vehicle Replacements	\$ -	Total Usage			-	Ψ	-	-	\$ -	\$ -	-
70	Total Capital Costs	\$ 101,660		\$ 98,040	\$ -	\$ 3,5	53 \$	67	\$ 101,660	\$ -	\$ -	\$ 101,660
70 71	·			l								
72	General & Administrative											
73 74 75 76	60381 Salaries/Wages	\$ 51,679	G&A is allocated	\$ 35,855		\$ 1,62	23 \$	188	\$ 37,666	\$ 13,896	\$ 118	\$ 51,679
74	60391 Benefits	3,970	to each service	\$ 2,754		12	25	14	\$ 2,893	\$ 1,067	\$ 9	3,970
75	60335 Contract Labor	-	by % share of	\$ -		-		-	\$ -	\$ -	\$ -	-
76	60300 Other Payroll-related	14,272	total rev req.	\$ 9,902		44	18	52	\$ 10,402	\$ 3,837	\$ 33	14,272
77	68701 Attorney	76,088	Water services	\$ 52,790		2,38	39	277	\$ 55,456	\$ 20,459	\$ 173	76,088
78	68702 Engineering	42,271	share further alloc	\$ 29,328		1,33	27	154	\$ 30,809	\$ 11,366	\$ 96	42,271
79	68703 Accounting	19,551	to customer classes	\$ 13,564		6	14	71	\$ 14,249	\$ 5,257	\$ 45	19,551
80	Other G&A	246,020	by EMU	\$ 170,688		7,72	25	896	\$ 179,309	\$ 66,151	\$ 560	246,020
77 78 79 80 81	Total G&A	\$ 453,851	•	\$ 314,880	\$ -	\$ 14,25	52 \$	1,652	\$ 330,784	\$ 122,034	\$ 1,034	\$ 453,851
82												
83	Total Expenses	\$ 4,291,076		\$ 3,447,033	\$ -	\$ 127,79	55 \$	2,802	\$ 3,577,590	\$ 707,492	\$ 5,994	\$ 4,291,076
84 85	•					,		,				
85												
	Non-Operating Revenue											
87	Water Banking Revenue	(500,000)		(482,420)	-	(17,48		(98)	\$ (500,000)	-	-	\$ (500,000)
88 89	Portion of Water Banking Revenue given as rebate	500,000	Op Cost Composite	482,420	-	17,48		98	\$ 500,000	· ·	-	\$ 500,000
90	Late Fees Mitigation Area Maintenance	(13,200)	(Water Services	(12,736)		(46		(3)	(13,200) (10,145)	· ·	-	(13,200) (10,145)
91	Backflow Testing	(10,145) (2,114)	Subtotal)	(9,788) (2,039)	-		74)	(2)	(2,114)	[-	(2,114)
92	Total Non-Operating Revenue	\$ (25,459)	Gubiolaij	\$ (24,564)	\$ -		90) \$	(5)		s -	\$ -	\$ (25,459)
93	. o.m opo. a.m.g . co. o.m.d	(20,400)		(24,304)	<u> </u>	Ψ (0.	,υ, ψ	(3)	(20,400)	<u> </u>	Ψ -	ψ (25, 4 55)
	Contributions to Reserves			l								
95 96	Operating Reserves	-	Op Cost Composite	\$ -				-	-	-	-	-
96	Net Expenses	\$ 4,265,617		\$ 3,422,470	\$ -	\$ 126,80	55 \$	2,797	\$ 3,552,132	\$ 707,492	\$ 5,994	\$ 4,265,617
97 98 99 100 101												
98	Rever	nue at <u>Current</u> Rates		\$ 926,222	\$ -		\$	276	\$ 926,498	\$ 390,000	\$ 36,000	\$ 1,352,498
99					_							
100	Revenu	ie Surplus/(Shortfall)		\$ (2,496,248)	\$ -		\$	(2,521)				
101			% Surplus/(Shortfall)	-270%				-913%	-283%	-81%	83%	

	A B	С	D	E	F	G	Н	I
	Vestern Hills Water District Vater Rate Study					Treated Usage	Total Usage	
3	ab 7b. Allocators					Allocator	Allocator	
4					3-yr average	% of	% of	
5 6 7 8 9 10	Water Use	CY 2017	CY 2018	CY 2019	Water Use Projected FY 20-21	Treated	Grand Total	
7	Treated Water (CCF)	01 2017	01 2010	01 2010	(w/ no growth)			
8	Residential	76,575	87,475	113,183	92,411			
9	Residential HOA - Irrigation Only 1-1/2" Meter	3,300	4,555	4,808	4,221			
11	2" Meter	2,991	4,653	4,874	4,173			
12	Subtotal Residential	82,866	96,683	122,864	100,804	96%	96%	
12 13 14 15 16						000/	000/	Treated Usage:
15						96% 0%	96% 0%	current growth
16						96%	96%	
17	0	0.500	0.507	0.004	0.444			
18	Commercial Owners Assoc (COA) Golf Course	3,593	3,507	3,221	3,441			
20	1" Meter	117	193	153	-			
21	2" Meter	892	774	597	-			
22	District/World Office Fire Station	143 24	148 38	179 35	157 32			
24	Subtotal Commercial	4,769	4,659	4,186	4,538	4%	4%	
25							:	
26	Total Treated Water	87,635	101,342	127,051	105,343	100%	99.9%	
28								
29	Raw Water (CCF)							
30	Raw Water - Vineyards	3,892	1,018	425	-			
31	Raw Water - Golf Course 2" Meter	181,545 N/A	226,508 N/A	177,441 69	- 69			
33	Total Raw Water	185,437	227,526	177,935	69		0.1%	
34								
35	Grand Total Water Use	273,072	328,868	304,985	105,411		100%	
37	Raw Water Rates							
38								
39 40	Equivalent Meter Unit Calculation (to alloc		costs) - based on beginn / 2021-22 Water Services					
41		Treated - Res (currrent)		Treated - NonRes	Raw	<u>Total</u>		
42								
43	2" Meters 1" Meter Equivalents	4 13	-	8 26	1	13 42		
45	i weter Equivalents	13	-	20	3	42		
46	1 1/2" Meters	1	-			1		
47	1" Meter Equivalents	2	-			2		
49	1" Meters (existing and to be developed)	595	-	2	-	597		
50	Table Mark E. C. C.	2.5			-	2		
52	Total 1" Meter Equivalents - Current % of Total	610 95.2%	-	28 4.3%	3 0.5%	641 100.0%		
53	76 OF TOTAL	30.270		100%		100.070		
54	T	2.5			-	2		
56	Total 1" Meter Equivalents % of Total	610 95.2%	0.0%	28 4.3%	3 0.5%	641 100.0%		
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 43 55 40 41 42 43 44 45 46 47 48 49 50 50 50 50 50 50 50 50 50 50 50 50 50					0.570	100.070		
58	Operating & Capital Expenses (to allocate				+			
59 60	FY 2021-22 Operating & Capital Expenses	<u>Water</u> 1,586,941	<u>Sewer</u> 585,458	Storm Drain 4,960	<u>Total</u> 2,177,359			
61	% of Total	72.9%	26.9%	0.2%				
	70 01 10 tal	. 2.070	_3.070	0.270	. 50.070			

	АВ	С	D	E		F	G	Н		I	IJ	K		
1	Western	Hills Water District									•			
2	Water Rate Study													
3	Tab 8a.	Rate Revenue - Current												
4					F	Projected			Р	rojected				
5 6			Current			Annual				Annual		Annual		
6			Meter	Current	Serv	vice Charge	Projected	Current	Usa	age Charge		Revenue		
7	1		Count	Service Chg	<u> </u>	Revenue	Usage (CCF)	Usage Charge	<u> </u>	<u>Revenue</u>		Current Cust.		
8	2			per meter per mo				per CCF						
9	3	Treated Water												
10	4	Residential	595	\$100.69	\$	718,927	91,759	\$1.49	\$	136,721		\$ 855,648		
11	5	Residential HOA												
12 13	6	1-1/2" Meter	1	\$0.00	\$	-	4,221	\$5.87	\$	24,776		24,776		
	7	2" Meter	<u>4</u>	\$0.00	\$		4,173	\$5.87	\$	24,494	-	24,494		
14 15	8	Subtotal Residential	600			718,927	100,153			185,991		904,918		
15	9					79%				21%				
16 17		Non-Residential												
17		Commercial Owners Assoc (COA) (2")	8	\$0.00		-	3,441	\$5.87	\$	20,197		20,197		
18	12	Golf Course				-				-		-		
19 20 21 22	13		1	\$0.00			-	\$5.87		-				
20		2" Meter	1	\$0.00			-	\$5.87		-				
21		District Office	1	\$0.00		-	157	\$5.87		919		919		
	16	Fire Station	<u>1</u>	\$0.00			32	\$5.87		188	l I.	188		
23	17	Subtotal Non-Residential	12			-	3,629			21,304		21,304		
24	18													
25	19	Total Treated Water	612		\$	718,927	103,782		\$	207,295	[]	\$ 926,222		
26	20					78%				22%				
27		Raw Water												
28		Vineyard	1	\$0.00	\$	-	-	\$4.01	\$	-	3	\$ -		
29		Golf Course	1	\$0.00		-	-	\$4.01		-		-		
30		(/	1				69	\$4.01		276	. L	276		
23 24 25 26 27 28 29 30 31 32 33 34	25	Total Raw Water	3		\$	-	69		\$	276	. L	\$ 276		
32	26													
33	27	Grand Total	615		\$	718,927	103,851		\$	207,572		\$ 926,498		
34														

	Α	В	С	D	l E	F	G	1	н Г			K	1 1		
1		I □ □ I stern Hills Water District	C	U		Г	G	1	п	'	J	N.	l L		
		Nater Rate Study													
3		8b. Proposed Rates				DECALCIII ATE	CELLS C11, G26,	and G1	1 TO MATCH C	OST (DE SERVICE (I	21- 121)			
<u>ა</u> 4	Iab	ob. Froposed Nates				RECALCULATE	JEEES C11, G20,	and Gi	1 TO MATCH C	031 (JI JEKVICE (I	-31-331)			
5 6 7		Annual Revenue Calculation		Proposed	Projected	Projected	Proposed			Projected					
7		Proposed Rate Structure	Meter	Service Chg	Service Charge	Usage (CCF)	Usage Charge		Projected age Charge		Annual		FY 2021-22		
8	4	Proposed Rate Structure	Count	per meter per mo	Revenue	Usage (UUI)	per CCF		Revenue		Revenue		Cost-of-Service		
9	2		Count	per meter per mo	Revenue		pci 00i		tevenue	_	Revenue		0000 01 001 1100		
10	3	Treated Water													
11	4	Residential - Current	595	\$390.00	\$ 2,784,600	91,759	\$7.39	\$	678,099	\$	3,462,699				
12	5	Residential HOA									, ,				
13	6	1-1/2" Meter	1	\$0.00	-	4,221	\$7.39	\$	31,192		31,192				
14	7	2" Meter	4	\$0.00	-	4,173	\$7.39	\$	30,836		30,836				
15	8	Non-Residential													
16	9	COA (2")	8	\$0.00	-	3,441	\$7.39	\$	25,426		25,426				
17	10	Golf Course													
18	11	1" Meter	1	\$0.00	-	-	\$7.39	\$	-		-				
19		2" Meter	1	\$0.00	-	-	\$7.39	\$	-		-				
20		District/World Office (1")	1	\$0.00	-	157	\$7.39	\$	1,157		1,157				
21 22 23 24		Fire Station (1")	1	\$0.00	-	32	\$7.39	\$	237		237				
22	15		612		\$ 2,784,600	103.782		\$	700.040		0.554.540		A 0.540.000		
23	16 17	Total Treated Water	012		\$ 2,784,600 78%	103,782		Ф	766,949 22%	\$	3,551,549		\$ 3,549,335		
25		Raw Water			78%				22%						
25 26		2" Meter	1	\$0.00	_	69	\$7.39		509		509				
27		Vineyard	1	\$0.00	\$ -	-	\$0.00	\$	-	\$	-				
28		Golf Course	1	\$0.00	-	_	\$0.00	Ψ	_		_				
29	22	Total Raw Water	3	T	\$ -	-	7	\$	509	\$	509		\$ 2,797		
29 30	23												, ,		
31	24	Grand Total	615		\$ 2,784,600	103,782		\$	767,457	\$	3,552,057		\$ 3,552,131.55		
31 32 33															
3															

	Α	В	С	D	E I	F I	G	н Г	
1		stern Hills Water District				·			
2	Wat	er Rate Study							
3	Tab	9. FY 21-22 Resi Bill Impacts							
4		•				2.4%	2.4%	2.4%	2.4%
5			Water	Current			Proposed		
6			Use	Bill	7/1/2021	7/1/2022	7/1/2023	7/1/2024	7/1/2025
7	1	Low Water Use Month (50% of Avg.)	6.5						
8	2	Fixed Service Charge	CCF	\$100.69	\$328.70	\$336.59	\$344.67	\$352.94	\$361.41
9	3	Variable Water Use Charge		\$9.69	\$48.04	\$49.19	\$50.37	\$51.58	\$52.82
10	4	Loan Payoff		<u>[a]</u>	<u>\$61.30</u>	<u>\$0.67</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
11	5	Total Bill		\$110.38	\$438.04	\$386.45	\$395.04	\$404.52	\$414.23
12	6	\$ Change			\$327.66	(\$51.59)	\$8.59	\$9.48	\$9.71
13	7	Average Water Use Month	12.9						
14	8	Fixed Service Charge	CCF	\$100.69	\$328.70	\$336.59	\$344.67	\$352.94	\$361.41
15	9	Variable Water Use Charge		\$19.22	\$95.33	\$97.62	\$99.96	\$102.36	\$104.82
16	10	Loan Payoff		<u>[a]</u>	<u>\$61.30</u>	<u>\$0.67</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
17	11	Total Bill		\$119.91	\$485.33	\$434.88	\$444.63	\$455.30	\$466.23
18	12	\$ Change			\$365.42	(\$50.45)	\$9.75	\$10.67	\$10.93
19	13	High Water Use Month (2x Avg.)	25.8						
20	14	Fixed Service Charge	CCF	\$100.69	\$328.70	\$336.59	\$344.67	\$352.94	\$361.41
21	15	Variable Water Use Charge		\$38.44	\$190.66	\$195.24	\$199.92	\$204.72	\$209.64
22	16	Loan Payoff		<u>[a]</u>	<u>\$61.30</u>	<u>\$0.67</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
23	17	Total Bill		\$139.13	\$580.66	\$532.50	\$544.59	\$557.66	\$571.05
24	18	\$ Change			\$441.53	(\$48.16)	\$12.09	\$13.07	\$13.38
25		[a] previously subsidized by the develope	r						