



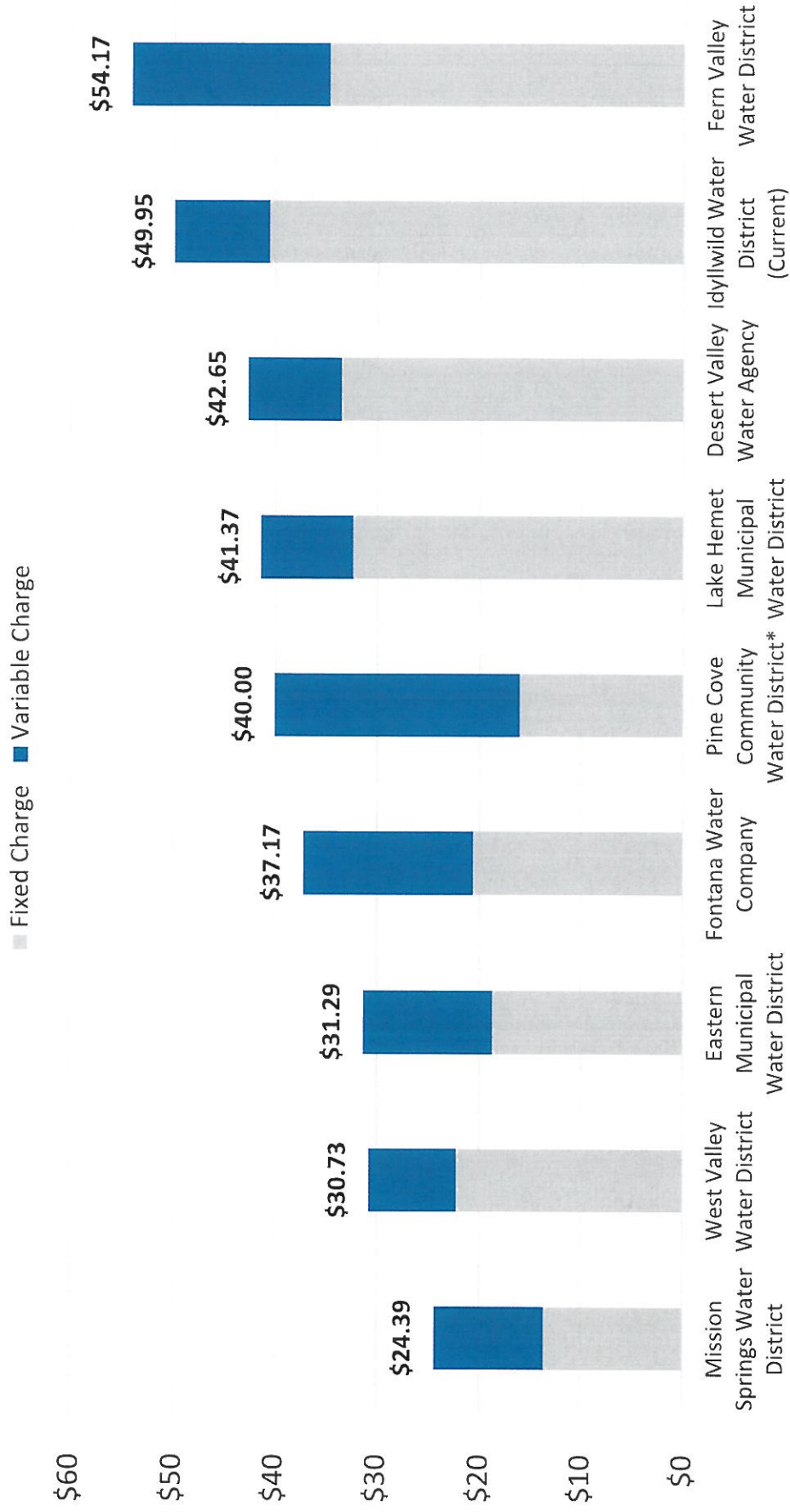
**Water Enterprise**

*March 2023*



**BARTLE WELLS ASSOCIATES**  
INDEPENDENT PUBLIC FINANCE ADVISORS

## Regional Water Bill Comparison November 2022 Monthly Residential Service - 4 CCF consumption



\*Pine Cove Community Water District applies a minimum fixed fee.

Table 1  
 Idyllwild Water District  
 Historical and Current Water Rates

		FY 2020/21		FY 2021/22		FY 2022/23
<u>Monthly Fixed Service Charges:</u>						
<i>SFR:</i>						
5/8"	\$	33.92	\$	37.13	\$	40.59
3/4"	\$	49.83	\$	54.60	\$	59.73
1"	\$	81.65	\$	89.54	\$	98.01
1.5"						
<i>All Other Customers:</i>						
5/8"	\$	33.92	\$	37.13	\$	40.59
3/4"	\$	49.83	\$	54.60	\$	59.73
1"	\$	81.65	\$	89.54	\$	98.01
1.5"	\$	161.22	\$	176.89	\$	193.72
2"	\$	256.69	\$	281.70	\$	308.57
3"	\$	511.29	\$	561.21	\$	614.84
<i>Idyllwild Arts Academy:</i>						
3"	\$	5,488.99	\$	6,186.16	\$	6,939.33
<i>Fire Service Charges:</i>						
2"	\$	7.92	\$	8.31	\$	8.73
3"	\$	14.83	\$	15.57	\$	16.35
4"	\$	27.56	\$	28.94	\$	30.39
<u>Commodity Charges:</u>						
Rate per cf of water consumed:						
<i>Commercial:</i>	\$	0.0752	\$	0.0744	\$	0.0735
<i>SFR:</i>						
Tier 1, 450 cf	\$	0.0212	\$	0.0223	\$	0.0234
Tier 2, 900 cf	\$	0.1273	\$	0.1248	\$	0.1218
Tier 3, 900+ cf	\$	0.1550	\$	0.1516	\$	0.1475

Table 2  
Idyllwild Water District  
Revenue & Expenses - Water

	Budget		Projection									
	FY 2022-23	Escalator	FY 2023-24	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30	FY 2030-31		
5435 Payroll and wages	\$745,000	5%	\$782,250	\$821,363	\$862,431	\$905,552	\$950,830	\$998,371	\$1,048,290	\$1,100,704		
5403 Engineering Services	6,900	5%	7,245	7,607	7,988	8,387	8,806	9,247	9,709	10,194		
5404 Legal Services	140,000	5%	147,000	154,350	162,068	170,171	178,679	187,613	196,994	206,844		
5405 State-County Water System	47,000	5%	49,350	51,818	54,408	57,129	59,985	62,984	66,134	69,440		
5406 General Plant Maintenance	132,000	5%	138,600	145,530	152,807	160,447	168,469	176,893	185,737	195,024		
5407 Minor Equipment/Parts	400	5%	420	441	463	486	511	536	563	591		
5408 Vehicle Repairs & Maint.	12,000	5%	12,600	13,230	13,892	14,586	15,315	16,081	16,885	17,729		
5410 Utilities-Electricity	81,000	5%	85,050	89,303	93,768	98,456	103,379	108,548	113,975	119,674		
5411 Utilities-Gas & Fuel	8,600	5%	9,030	9,482	9,956	10,453	10,976	11,525	12,101	12,706		
5412 Utilities-Propane	6,900	5%	7,245	7,607	7,988	8,387	8,806	9,247	9,709	10,194		
5414 Telephone & Internet	11,500	5%	12,075	12,679	13,313	13,978	14,677	15,411	16,182	16,991		
5415 Retirement and Life Ins	63,000	5%	66,150	69,458	72,930	76,577	80,406	84,426	88,647	93,080		
5417 Water Computer Services	21,000	5%	22,050	23,153	24,310	25,526	26,802	28,142	29,549	31,027		
5417 Water Board Reimbursemen	2,050	5%	2,153	2,260	2,373	2,492	2,616	2,747	2,885	3,029		
5419 Water Other Operating Expe	28,920	5%	30,366	31,884	33,479	35,152	36,910	38,756	40,693	42,728		
5420 Accounting & Auditing	16,700	5%	17,535	18,412	19,332	20,299	21,314	22,380	23,499	24,674		
5421 Postage & Postage Fee	12,350	5%	12,968	13,616	14,297	15,012	15,762	16,550	17,378	18,247		
5422 Office Supplies	21,340	5%	22,407	23,527	24,704	25,939	27,236	28,598	30,028	31,529		
5423 Traveling and Mileages	3,750	5%	3,938	4,134	4,341	4,558	4,786	5,025	5,277	5,540		
5025 Office Cleaning Services	3,800	5%	3,990	4,190	4,399	4,619	4,850	5,092	5,347	5,614		
5425 Equipment Maintenance	4,000	5%	4,200	4,410	4,631	4,862	5,105	5,360	5,628	5,910		
5426 Medical Insurance	165,000	5%	173,250	181,913	191,008	200,559	210,586	221,116	232,172	243,780		
5427 Worker's Compensation Ins.	8,200	5%	8,610	9,041	9,493	9,967	10,466	10,989	11,538	12,115		
5428 Retiree Health Insuranc	34,400	5%	36,120	37,926	39,822	41,813	43,904	46,099	48,404	50,824		
5429 eDues, Fees, Subscription	28,000	5%	29,400	30,870	32,414	34,034	35,736	37,523	39,399	41,369		
5430 Advertising & Publishing	13,300	5%	13,965	14,663	15,396	16,166	16,975	17,823	18,714	19,650		
5431 Leasing Equipment	375	5%	394	413	434	456	479	503	528	554		
5432 Utilities Trash Fee	2,800	5%	2,940	3,087	3,241	3,403	3,574	3,752	3,940	4,137		
5433 Bank Fee Charge	8,500	5%	8,925	9,371	9,840	10,332	10,848	11,391	11,960	12,558		
5435 Auto & General Insurance	38,000	5%	39,900	41,895	43,990	46,189	48,499	50,924	53,470	56,143		
5438 Laboratory Services	48,000	5%	50,400	52,920	55,566	58,344	61,262	64,325	67,541	70,918		
5440 Compensated Time	14,800	5%	15,540	16,317	17,133	17,989	18,889	19,833	20,825	21,866		
5441 Uniform Expenses	3,800	5%	3,990	4,190	4,399	4,619	4,850	5,092	5,347	5,614		
5442 Property Tax Expenses	620	5%	651	684	718	754	791	831	872	916		
5445 Water Security System (ADT)	3,100	5%	3,255	3,418	3,589	3,768	3,956	4,154	4,362	4,580		
5446 Training and Seminars	5,800	5%	6,090	6,395	6,714	7,050	7,402	7,773	8,161	8,569		
<b>Total Expenses</b>	<b>\$1,742,905</b>		<b>\$1,830,050</b>	<b>\$1,921,553</b>	<b>\$2,017,630</b>	<b>\$2,118,512</b>	<b>\$2,224,438</b>	<b>\$2,335,659</b>	<b>\$2,452,442</b>	<b>\$2,575,064</b>		

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Table 3  
Idyllwild Water District  
Cash Fund Balance  
Water

<b>Year End Balance</b>	<b>FY 2021-22</b>
Cash and investments	\$2,407,705
Certificates of deposit	\$25,899
<b>Total</b>	<b>\$2,433,604</b>

Table 4

Idyllwild Water District  
Water CIP Program

	<u>FY 2023/24</u>	<u>FY 2024/25</u>	<u>FY 2025/26</u>	<u>FY 2026/27</u>	<u>FY 2027/28</u>	<u>FY 2028/29</u>
<b>CAPITAL PROJECTS</b>						
Strawberry Creek, Pre-1914 Pipeline - Diversion Structure	200,000					
Strawberry Creek, Pre-1914 Pipeline - 700 Feet in Length	420,000					
Stoarge Tank Recoating Project 1	250,000					
Water Treatment Plant Automatic Transfer Switch	50,000					
Booster Pumps	50,000					
Chlorine Room Remodel	100,000					
Water Tank Security, 11 Tanks	15,000					
Stoarge Tank Recoating Project 2		250,000				
Fire Hydrants Repair & Replace		160,000				
Oakwood Well Filtration Systems Maintenance & Filter Replacement		50,000				
Water Treatment Buildings Improvements		200,000				
Water Treatment Plant Road Paving - 600 Feet		120,000				
Well Housing Rehab - Two Per Year		50,000				
Small Trailer, to Haul Bobcat, Tools, etc.		20,000				
Truck Purchase (3)		240,000				
Strawberry Creek, 10" Pipeline from Fern Valley 1A to Foster Lake - Phase 2			780,000			
Stoarge Tank Recoating Project 3			250,000			
Truck Purchase (1)			80,000			
Well Housing Rehab - Two Per Year			50,000			
Strawberry Creek, 10" Pipeline from Fern Valley 1A to Foster Lake - Phase 3				780,000		
Stoarge Tank Recoating Project 4				250,000		
Well Housing Rehab - Two Per Year				50,000		
Well 5 Rehab or Replace (Drill New Well)				100,000		
Cia-Val Maintenance & Replacement				105,000		
Strawberry Creek, 10" Pipeline from Fern Valley 1A to Foster Lake - Phase 4					780,000	
Fencing at Various Locations - 500 feet					50,000	
Aireation Backup System					100,000	
Foster Lake Silt Removal					150,000	
Stoarge Tank Recoating Project 5					250,000	
Well Housing Rehab - Two Per Year					50,000	
Well Housing Rehab - Two Per Year						8,333
Well Housing Rehab - Two Per Year						8,333
Lower Pine Crest Pipeline, 8 Inch Pipe - 1,400 Feet in Length						140,000
Pipeline Project 1						150,000
Pipeline Project 2						150,000
Pipeline Project 3						150,000
Pipeline Project 4						150,000
Stoarge Tank Recoating Project 6						50,000
Stoarge Tank Recoating Project 7						50,000
Stoarge Tank Recoating Project 8						50,000
Stoarge Tank Recoating Project 9						50,000
Stoarge Tank Recoating Project 10						50,000
<b>TOTAL WATER CAPITAL IMPROVEMENT PROJECTS</b>	<b>\$1,085,000</b>	<b>\$1,090,000</b>	<b>\$1,160,000</b>	<b>\$1,285,000</b>	<b>\$1,380,000</b>	<b>\$1,006,667</b>

Table 5A  
Idylwild Water District  
Water Enterprise Financial Projections - 13% Annual Increases

	Projections											
	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	
<b>Beginning Balance</b>	\$2,433,604	\$2,791,559	\$2,206,927	\$1,778,376	\$1,477,624	\$1,283,495	\$1,264,655	\$1,674,217	\$2,141,823	\$2,670,604	\$3,263,862	
Rate Adjustments	13.0%	13.0%	13.0%	13.0%	13.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
<b>WATER - OPERATING REVENUES</b>												
1a. Commercial Base/Fixed	\$261,041	\$294,976	\$333,323	\$376,655	\$425,620	\$480,951	\$504,998	\$530,248	\$556,760	\$584,598	\$613,828	
1b. Residential Base/Fixed	757,160	857,242	970,549	1,098,829	1,244,059	1,408,479	1,481,730	1,558,785	1,639,841	1,725,105	1,814,796	
2a. Commercial Sales/Variable	320,889	362,605	409,744	463,010	523,202	591,218	620,779	651,818	684,409	718,629	754,561	
2b. Residential Sales/Variable	407,000	460,825	521,766	590,764	668,883	757,329	796,762	838,244	881,883	927,790	976,063	
3. Misc Revenues	14,070	14,070	6,920	6,920	6,920	6,920	6,920	6,920	6,920	6,920	6,920	
<b>SUBTOTAL</b>	\$1,760,160	\$1,989,718	\$2,242,302	\$2,536,178	\$2,868,684	\$3,244,897	\$3,411,189	\$3,586,015	\$3,769,812	\$3,963,042	\$4,166,188	
<b>WATER - NON-OPERATING REVENUES</b>												
4. Other Income	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	
<b>SUBTOTAL</b>	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	
<b>Total Revenue</b>	\$2,100,860	\$2,330,418	\$2,583,002	\$2,876,878	\$3,209,384	\$3,585,597	\$3,751,889	\$3,926,715	\$4,110,512	\$4,303,742	\$4,506,888	
<b>5400 - Water Operating Expenses</b>												
1. Staff and Contracts	\$1,239,950	\$1,301,948	\$1,367,045	\$1,435,397	\$1,507,167	\$1,582,525	\$1,661,652	\$1,744,734	\$1,831,971	\$1,923,569	\$2,019,748	
2. Maintenance and Utilities	256,775	269,614	283,094	297,249	312,112	327,717	344,103	361,308	379,374	398,342	418,259	
3. Treatment	98,100	103,005	108,155	113,563	119,241	125,203	131,463	138,037	144,938	152,185	159,795	
4. Administrative	119,160	125,118	131,374	137,943	144,840	152,082	159,686	167,670	176,054	184,856	194,099	
5. Other	28,920	30,366	31,884	33,479	35,152	36,910	38,756	40,693	42,728	44,864	47,108	
<b>Total Operating Expenses</b>	\$1,742,905	\$1,830,050	\$1,921,553	\$2,017,630	\$2,118,512	\$2,224,438	\$2,335,659	\$2,452,442	\$2,575,064	\$2,703,818	\$2,839,009	
<b>Net Revenue Before Capital(Loss)</b>	\$357,955	\$500,368	\$661,449	\$859,247	\$1,090,872	\$1,361,159	\$1,416,229	\$1,474,272	\$1,535,448	\$1,599,925	\$1,667,880	
Debt Service Coverage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
<b>CAPITAL</b>												
Capital Improvement Program	\$0	\$1,085,000	\$1,090,000	\$1,160,000	\$1,285,000	\$1,380,000	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	
<b>SUBTOTAL</b>	\$0	\$1,085,000	\$1,090,000	\$1,160,000	\$1,285,000	\$1,380,000	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	
<b>Total Exp &amp; CIP</b>	\$1,742,905	\$2,915,050	\$3,011,553	\$3,177,630	\$3,403,512	\$3,604,438	\$3,342,326	\$3,459,109	\$3,581,731	\$3,710,484	\$3,845,675	
<b>Net Revenue(Loss)</b>	\$357,955	(\$584,632)	(\$428,551)	(\$300,753)	(\$194,128)	(\$18,841)	\$409,563	\$467,606	\$528,781	\$593,258	\$661,213	
<b>Ending Balance</b>	\$2,791,559	\$2,206,927	\$1,778,376	\$1,477,624	\$1,283,495	\$1,264,655	\$1,674,217	\$2,141,823	\$2,670,604	\$3,263,862	\$3,925,075	
Rec. Minimum Reserve Target 180 Days	585	440	338	267	221	208	262	319	379	441	505	

Table 5B  
 Idyllwild Water District  
 Water Enterprise Financial Projections - 15% Annual Increases

	Projections											
	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34
<b>Beginning Balance</b>	\$2,433,604	\$2,791,559	\$2,241,894	\$1,893,172	\$1,729,107	\$1,743,025	\$2,021,055	\$2,671,946	\$3,320,268	\$3,963,753	\$4,599,953	
Rate Adjustments		15.0%	15.0%	15.0%	15.0%	15.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%
<b>WATER - OPERATING REVENUES</b>												
1a. Commercial Base/Fixed	\$261,041	\$300,197	\$345,226	\$397,010	\$456,562	\$525,046	\$540,797	\$557,021	\$573,732	\$590,944	\$608,672	
1b. Residential Base/Fixed	757,160	872,414	1,005,209	1,158,213	1,334,500	1,537,614	1,586,770	1,637,491	1,689,828	1,743,830	1,799,553	
2a. Commercial Sales/Variable	320,889	369,023	424,376	488,033	561,238	645,423	664,786	684,730	705,271	726,430	748,223	
2b. Residential Sales/Variable	407,000	468,981	540,399	622,690	717,509	826,764	853,244	880,569	908,765	937,861	967,884	
3. Misc Revenues	14,070	14,070	6,920	6,920	6,920	6,920	6,920	6,920	6,920	6,920	6,920	
<b>SUBTOTAL</b>	\$1,760,160	\$2,024,685	\$2,322,131	\$2,672,866	\$3,076,729	\$3,541,768	\$3,652,518	\$3,766,731	\$3,884,516	\$4,005,985	\$4,131,251	
<b>WATER - NON-OPERATING REVENUES</b>												
4. Other Income	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	
<b>SUBTOTAL</b>	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	\$340,700	
<b>Total Revenue</b>	\$2,100,860	\$2,365,385	\$2,662,831	\$3,013,566	\$3,417,429	\$3,882,468	\$3,993,218	\$4,107,431	\$4,225,216	\$4,346,685	\$4,471,951	
<b>5400 - Water Operating Expenses</b>												
1. Staff and Contracts	\$1,239,950	\$1,301,948	\$1,367,045	\$1,435,397	\$1,507,167	\$1,582,525	\$1,661,652	\$1,744,734	\$1,831,971	\$1,923,569	\$2,019,748	
2. Maintenance and Utilities	256,775	269,614	283,094	297,249	312,112	327,717	344,103	361,308	379,374	398,342	418,259	
3. Treatment	98,100	103,005	108,155	113,563	119,241	125,203	131,463	138,037	144,938	152,185	159,795	
4. Administrative	119,160	125,118	131,374	137,943	144,840	152,082	159,686	167,670	176,054	184,856	194,089	
5. Other	28,920	30,366	31,884	33,479	35,152	36,910	38,756	40,693	42,728	44,864	47,108	
<b>Total Operating Expenses</b>	\$1,742,905	\$1,830,050	\$1,921,553	\$2,017,630	\$2,118,512	\$2,224,438	\$2,335,659	\$2,452,442	\$2,575,064	\$2,703,818	\$2,839,009	
<b>Net Revenue Before Capital(Loss)</b>	\$357,955	\$535,335	\$741,278	\$995,935	\$1,298,917	\$1,658,030	\$1,657,558	\$1,654,989	\$1,650,152	\$1,642,867	\$1,632,943	
Debt Service Coverage	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
<b>CAPITAL</b>												
Capital Improvement Program	\$0	\$1,085,000	\$1,090,000	\$1,160,000	\$1,285,000	\$1,380,000	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	
<b>SUBTOTAL</b>	\$0	\$1,085,000	\$1,090,000	\$1,160,000	\$1,285,000	\$1,380,000	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	\$1,006,667	
<b>Total Exp &amp; CIP</b>	\$1,742,905	\$2,915,050	\$3,011,553	\$3,177,630	\$3,403,512	\$3,604,438	\$3,342,326	\$3,459,109	\$3,581,731	\$3,710,484	\$3,845,675	
<b>Net Revenue(Loss)</b>	\$357,955	(\$549,665)	(\$348,722)	(\$164,065)	\$13,917	\$278,030	\$650,892	\$648,322	\$643,485	\$636,200	\$626,276	
<b>Ending Balance</b>	\$2,791,559	\$2,241,894	\$1,893,172	\$1,729,107	\$1,743,025	\$2,021,055	\$2,671,946	\$3,320,268	\$3,963,753	\$4,599,953	\$5,226,229	
Rec. Minimum Reserve Target 180 Days	585	447	360	313	300	332	418	494	562	621	672	