

C3.2 WATER RATE ANALYSIS and MODELING SUMMARY:

[Return to MAIN Menu](#)

DESCRIPTION	ANALYSIS 1	ANALYSIS 2	ANALYSIS 3	ANALYSIS 4	ANALYSIS 5	MODEL 6	MODEL 7	MODEL 8	MODEL 9	MODEL 10	MODEL 11	MODEL 12	MODEL 13	MODEL 14	MODEL 15	MODEL 16	EXISTING		PROPOSED	
	Residential Low Rate	Residential High Rate	Commercial Rate	Irrigation Rate	Construction Rate	Wholesale Rate	River Heights Subdivision	Residential	Residential Estate Rate	Commercial Rate	Inner City Rate	Wholesale Rate	0	0	0	0	AVERAGE	TOTAL	AVERAGE	TOTAL
Assumptions:																				
Model Category:	Existing	Existing	Existing	Existing	Existing	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Existing	Existing	Proposed	Proposed
Rate Name:	Residential	Residential	Commercial	Ag. or Irrigation	Construction (Temp)	Wholesale	High Zone	Residential	Residential	Commercial	Down Town	Wholesale	0.0	0.0	0.0	0.0				
TOTAL ERC's:	459	120	55	13	14	1	77	459	120	55	266	1	0	0	0	0	132	661	89	979
Peak Mo. Gal. per ERC:	47,250	50,625	20,000	60,000	90,000	100,000	38,813	47,250	50,625	20,000	24,000	100,000	0	0	0	0	53,575		34,608	
Ave. Acre-Ft / ERC:	0.86	0.92	0.36	1.09	1.64	1.82	0.71	0.86	0.92	0.36	0.44	1.82	0.00	0.00	0.00	0.00	0.97		0.63	
Gallons / Year / ERC:	280,000	300,000	118,519	355,556	533,333	592,593	230,000	280,000	300,000	118,519	142,222	592,593	0	0	0	0	317,481		205,084	
Annual Usage Profile:																				
January	5,000	8,000	4,000	0	23,333	25,926	6,000	8,000	10,000	5,000	6,222	0	0	0	0	0	8,067		5,559	
February	5,000	8,000	4,000	0	23,333	25,926	6,000	8,000	10,000	5,000	6,222	0	0	0	0	0	8,067		5,559	
March	5,000	8,000	4,000	0	23,333	25,926	6,000	8,000	10,000	5,000	6,222	0	0	0	0	0	8,067		5,559	
April	5,000	8,000	4,000	0	33,333	37,037	6,000	8,000	10,000	5,000	8,889	0	0	0	0	0	10,067		6,811	
May	24,500	26,250	10,370	31,111	46,667	51,852	20,125	24,500	10,370	12,444	51,852	0	0	0	0	0	27,780		17,945	
June	38,500	41,250	16,296	48,889	73,333	81,481	31,625	38,500	41,250	16,296	19,556	81,481	0	0	0	0	43,654		28,199	
July	47,250	50,625	20,000	60,000	90,000	100,000	38,813	47,250	50,625	20,000	24,000	100,000	0	0	0	0	53,575		34,608	
August	43,750	46,875	18,519	55,556	83,333	92,593	35,938	43,750	46,875	18,519	22,222	92,593	0	0	0	0	49,606		32,044	
September	29,750	31,875	12,593	37,778	56,667	62,963	24,438	29,750	31,875	12,593	15,111	62,963	0	0	0	0	33,732		21,790	
October	5,000	8,000	4,000	0	33,333	37,037	6,000	8,000	10,000	5,000	8,889	0	0	0	0	0	10,067		6,811	
November	5,000	8,000	4,000	0	23,333	25,926	6,000	8,000	10,000	5,000	6,222	0	0	0	0	0	8,067		5,559	
December	5,000	8,000	4,000	0	23,333	25,926	6,000	8,000	10,000	5,000	6,222	0	0	0	0	0	8,067		5,559	
TOTAL	218,750	252,875	105,778	233,333	533,333	592,593	192,938	239,750	266,875	112,778	142,222	388,889	0	0	0	0	268,814		176,004	
Annual Sales Profile:																				
January	55.00	55.00	90.00	0.00	70.00	112.31	68.00	60.00	75.00	95.00	45.00	0.00	0.00	0.00	0.00	0.00	54		41	
February	55.00	55.00	90.00	0.00	70.00	112.31	68.00	60.00	75.00	95.00	45.00	0.00	0.00	0.00	0.00	0.00	54		41	
March	55.00	55.00	90.00	0.00	70.00	112.31	68.00	60.00	75.00	95.00	45.00	0.00	0.00	0.00	0.00	0.00	54		41	
April	55.00	55.00	90.00	0.00	100.00	140.09	68.00	60.00	75.00	95.00	45.00	0.00	0.00	0.00	0.00	0.00	60		44	
May	132.50	177.50	109.67	38.89	140.00	177.13	120.50	136.75	162.50	114.35	52.33	262.96	0.00	0.00	0.00	0.00	120		93	
June	211.00	358.75	136.33	61.11	220.00	251.20	179.75	222.25	266.25	143.98	73.67	473.33	0.00	0.00	0.00	0.00	197		146	
July	263.50	499.38	153.00	75.00	270.00	297.50	222.88	290.00	350.63	162.50	91.00	640.00	0.00	0.00	0.00	0.00	252		187	
August	242.50	443.13	146.33	69.44	250.00	278.98	205.63	262.00	316.88	155.09	83.89	573.33	0.00	0.00	0.00	0.00	230		171	
September	158.75	238.44	119.67	47.22	170.00	204.91	137.75	165.63	198.13	125.46	60.33	340.74	0.00	0.00	0.00	0.00	147		112	
October	55.00	55.00	90.00	0.00	100.00	140.09	68.00	60.00	75.00	95.00	45.00	0.00	0.00	0.00	0.00	0.00	60		44	
November	55.00	55.00	90.00	0.00	70.00	112.31	68.00	60.00	75.00	95.00	45.00	0.00	0.00	0.00	0.00	0.00	54		41	
December	55.00	55.00	90.00	0.00	70.00	112.31	68.00	60.00	75.00	95.00	45.00	0.00	0.00	0.00	0.00	0.00	54		41	
TOTAL	1,393.25	2,102.19	1,295.00	291.67	1,600.00	2,051.48	1,342.50	1,496.63	1,819.38	1,366.39	676.22	2,290.37	0.00	0.00	0.00	0.00	1,336		1,004	
Rate Block Statistics:																				
Base Rate Fees per ERC:	660.00	660.00	1,080.00	0.00	0.00	600.00	816.00	720.00	900.00	1,140.00	540.00	0.00	0.00	0.00	0.00	0.00	480		429	
Overage 1 Fee per ERC:	75.00	175.00	90.00	291.67	1,600.00	1,451.48	60.00	35.00	0.00	87.50	0.00	150.00	0.00	0.00	0.00	0.00	446		162	
Overage 2 Fee per ERC:	200.00	375.00	125.00	0.00	0.00	0.00	278.25	225.00	250.00	138.89	111.33	750.00	0.00	0.00	0.00	0.00	140		159	
Overage 3 Fee per ERC:	221.25	212.50	0.00	0.00	0.00	0.00	188.25	243.38	277.50	0.00	24.89	1,083.70	0.00	0.00	0.00	0.00	87		165	
Overage 4 Fee per ERC:	237.00	398.44	0.00	0.00	0.00	0.00	185.25	223.13	0.00	0.00	306.67	0.00	0.00	0.00	0.00	0.00	127		65	
Overage 5 Fee per ERC:	0.00	281.25	0.00	0.00	0.00	0.00	88.00	168.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56		23	
TOTAL	1,393.25	2,102.19	1,295.00	291.67	1,600.00	2,051.48	1,342.50	1,496.63	1,819.38	1,366.39	676.22	2,290.37	0.00	0.00	0.00	0.00	1,336		1,004	
Base Rate Fees:	302,940	79,200	59,400	0	0	600	62,832	330,480	108,000	62,700	143,640	0	0	0	0	0	88,308	441,540	64,387	708,252
Overage 1 Fee:	34,425	21,000	4,950	3,792	22,400	1,451	4,620	16,065	0	4,813	0	150	0	0	0	0	17,313	86,567	2,464	27,099
Overage 2 Fee:	91,800	45,000	6,875	0	0	0	21,425	103,275	30,000	7,639	29,615	750	0	0	0	0	28,735	143,675	17,519	192,704
Overage 3 Fee:	101,554	25,500	0	0	0	0	14,495	111,709	33,300	0	6,620	1,084	0	0	0	0	25,411	127,054	15,201	167,209
Overage 4 Fee:	108,783	47,813	0	0	0	0	85,030	26,775	0	0	307	0	0	0	0	0	31,319	156,596	10,192	112,111
Overage 5 Fee:	0	33,750	0	0	0	0	40,392	20,250	0	0	0	0	0	0	0	0	6,750	33,750	5,513	60,642
Total Ann. Base Revenue:	302,940	79,200	59,400	0	0	600	62,832	330,480	108,000	62,700	143,640	0	0	0	0	0	88,308	441,540	64,387	708,252
Total Ann. Over. Revenue:	336,562	173,063	11,825	3,792	22,400	1,451	40,541	356,471	110,325	12,451	36,235	2,290	0	0	0	0	109,528	547,641	50,888	559,765
Base Rate Ratio:	47.37%	31.40%	83.40%	0.00%	0.00%	29.25%	60.78%	48.11%	49.47%	83.43%	79.86%	0.00%	0.00%	0.00%	0.00%	0.00%	44.64%		55.86%	
Overage 1 Ratio:	5.38%	8.32%	6.95%	100.00%	100.00%	70.75%	4.47%	2.34%	0.00%	6.40%	0.00%	6.55%	0.00%	0.00%	0.00%	0.00%	8.75%		2.14%	
Overage 2 Ratio:	14.35%	17.84%	9.65%	0.00%	0.00%	0.00%	20.73%	15.03%	13.74%	10.16%	16.46%	32.75%	0.00%	0.00%	0.00%	0.00%	14.52%		15.20%	
Overage 3 Ratio:	15.88%	10.11%	0.00%	0.00%	0.00%	0.00%	14.02%	16.26%	15.25%	0.00%	3.68%	47.32%	0.00%	0.00%	0.00%	0.00%	12.84%		13.19%	
Overage 4 Ratio:	17.01%	18.95%	0.00%	0.00%	0.00%	0.00%	12.38%	12.26%	0.00%	0.00%	13.39%	0.00%	0.00%	0.00%	0.00%	0.00%	15.83%		8.84%	
Overage 5 Ratio:	0.00%	13.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.41%		4.78%	
Cumulative Overage Ratio:	52.63%	68.60%	16.60%	100.00%	100.00%	70.75%	39.22%	51.89%	50.53%	16.57%	20.14%	100.00%	100.00%	100.00%	100.00%	100.00%	55.36%		44.14%	

SUMMARY:	Total Annual Billed Usage:	218,750	252,875	105,778	233,333	533,333	592,593	192,938	239,750	266,875	112,778	142,222	388,889	0	0	0	0	268,814	176,004		
	Lost Unread Billable Gallons:	61,250	47,125	12,741	122,222	0	0	37,063	40,250	33,125	5,741	0	203,704	0	0	0	0	48,668	29,080		
	Total Rev. / ERC:	1,393.25	2,102.19	1,295.00	291.67	1,600.00	2,051.48	1,342.50	1,496.63	1,819.38	1,366.39	676.22	2,290.37	0.00	0.00	0.00	0.00	1,336.42	1,003.91		
	Base Annual Rev. / ERC:	660.00	660.00	1,080.00	0.00	840.00	1,347.78	816.00	720.00	900.00	1,140.00	540.00	0.00	0.00	0.00	0.00	0.00	648.00	496.71		
	Overage Rev. / ERC:	733.25	1,442.19	215.00	291.67	760.00	703.70	526.50	776.63	919.38	226.39	136.22	2,290.37	0.00	0.00	0.00	0.00	688.42	507.20		
	Average Rate / Month / ERC:	116.10	175.18	107.92	24.31	133.33	170.96	111.88	124.72	151.61	113.87	56.35	190.86	0.00	0.00	0.00	0.00	111.37	83.66		
	Lost unread meter revenue:	96,390	30,525	2,102	1,986	0	0	9,259	76,710	19,875	1,105	0	879	0	0	0	0	26,201	131,003	9,803	107,828
	Ave. Base price/1000 Gal:	11.00	6.88	22.50	0.00	0.00	50.00	11.33	7.50	7.50	19.00	5.46	0.00	0.00	0.00	0.00	0.00	8.08	9.16		
	Ave. Over. price/1000 Gal:	4.62	9.19	3.72	1.25	3.00	2.50	4.35	5.40	6.26	4.29	3.14	5.89	0.00	0.00	0.00	0.00	4.36	2.89		
	Ave. Price / 1000 Gallons:	4.98	7.01	10.93	0.82	3.00	3.46	5.84	5.35	6.06	11.53	4.75	3.87	0.00	0.00	0.00	0.00	5.35	3.71		
	Residential	639,502	252,263						686,951	218,325									891,764		905,276
	Large Estate																		0		0
	Condo/Apartment																		0		0
	Town House																		0		0
	Commercial			71,225							75,151								71,225		75,151
	Industrial																		0		0
	Government																		0		0
	Golf Course																		0		0
	Recreation																		0		0
	Ag. or Irrigation				3,792														3,792		0
	Construction (Temp)					22,400													22,400		0
	Wholesale						2,051						2,290						0		4,342
	Area 1																		0		0
Area 2																		0		0	
Area 3																		0		0	
Area 4																		0		0	
High Zone							103,373											0		103,373	
Down Town											179,875							0		179,875	
Industrial Park																		0		0	
																		0		0	
																		0		0	
																		0		0	
																		0		0	
																		0		0	
ANNUAL PROJECTED REVENUE:	639,502	252,263	71,225	3,792	22,400	2,051	103,373	686,951	218,325	75,151	179,875	2,290	0	0	0	0	197,836	989,181	115,274	1,268,017	