

	A	B	C	D	E
1					
2		Water Company Acquisition & Maintenance Affordability Variables			
3					
4		Acquisition Price	\$107,837,567	Rolled forward purchase price for property, plant, and equipment purchase price, including water treatment plant, from year-end 2013 value of \$88,585,821. Exact price TBD based on updated Aquarion capital investment figures 2018-->TBD.	
5		Acquisition Year	2019		
6		Acquisition Long-Term Debt Issuance Year	2020	Capital Market Advisors rate estimates: 3/27/18	
7		Acquisition Borrowing Long-Term Interest Rate	3.75%	Updated Long-Term Interest Rate required; 3.75% 3/27/18	
8		Acquisition Long-Term Borrowing Term	30	Enter 30 for a 30-year term	
9		Utilize Short-Term Borrowing Option	X	Place any non-zero character to activate one-year short-term borrowing for 2019	
10		Acquisition Borrowing Short-Term Interest Rate	2.25%	Updated Short-Term Interest Rate required; 2.25% 3/27/18	
11		Acquisition Short-Term Borrowing Term	1		
12		Capital Reserve Funding	\$3,000,000	Initial funding of capital reserve for accelerated infrastructure improvement	
13		Annual Capital Reserve Replenishment	\$2,000,000	Annual capital reserve replenishment borrowing on 20-year notes	
14		Capital Reserve Replenishment Borrowing Long-Term Rate	3.25%	Updated Long-Term Interest Rate required; 3.25% 3/27/18	
15		Aquarion 2021-Forward Triennial Rate Increase %	10.00%		
16		ATM 2012 Article 19 Fund Balance Replenishment	\$320,000	Repayment of tax-payer-funded ATM 2012 Article 19 study	
17		Additional Fund Balance Replenishment	\$1,170,000	Repayment of tax-payer-funded Reserve Fund Transfers and ATM 2014 & 2016 funding to cover expert, legal, and admin expenses	
18					
19		2 Nov 2017 Appeals Court-Affirmed 31 Dec 2013 Price	\$88,585,821		
20		Aquarion Water Company Court Order Calculation Summary as of 12/31/2017	\$103,022,826	Per 6 Apr 2017 Conner-->Ryan email attachment analysis of 4/22/2016 Superior Court Order	
21		Average Aquarion Calculation Summary Annual Increase 2014-2017	\$3,609,251		
22		Aquarion Court Order Calculation Summary Rolled Forward to 30 Apr 2019	\$107,837,567		
23					

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Acquisition and System Maintenance Affordability																
2																	
3	Aquarion Annual Expense Increase (AEI)	3%															
4	Service Area A Cost of Service other than WTP expenses		7,622,742	7,877,433													
5																	
6	WTP Lease Expense																
7	Fixed Basic Rent		2,679,000	1,673,747													
8	Plus Percentage Rent		848,558	882,488													
9	Less Interest Credit		(90,593)														
10	Plus Adjustment Factor (adjusted down by 4,757)		51,460	51,460													
11	Total WTP Lease Expense		3,488,425	2,607,695													
12	Cash Working Capital Allowance/Tax Gross Up		43,295	31,943													
13	WTP O&M Expense subject to CWC (including AEI)		670,055	690,157													
14	WTP Expenses before Property Taxes		4,201,775	3,329,795													
15	WTP Property Taxes (including AEI)		527,065	542,877													
16	Total WTP Lease + Allowance + Taxes		4,728,840	3,872,672													
17																	
18	Total Service Area A Revenue Recovery	Aqua Model 10/15/2012	12,351,582	11,750,105		11,657,325											
19	Total AWCMA Operating Revenue Recovery					15,960,159											
20																	
21	Service Area A % of AWCMA																
22	Service Area A Pro Forma Proposed Rates-Total Operating Revenues																
23	AWCMA Pro Forma Proposed Rates-Total Operating Revenues																
24																	
25	Service Area A DPU 17-90 Pro Forma Operating Revenues																
26	AWCMA DPU 17-90 Pro Forma Proposed Operating Revenues																
27																	
28	Aquarion Rate Increase % (estimate)																
29	Total Service Area A Revenue from 3-Year Increases - w/o WRIM																
30																	
31	Aquarion WRIM Total Revenue Requirement																
32	Aquarion Base Revenue																
33	Service Area A Revenue Including Prior Year's WRIM Total Revenue Requirement																
34	Aquarion Incremental WRIM Surcharge																
35	Aquarion Total WRIM Surcharge %																
36																	
37	Municipal Ownership Costs																
38	WTP Expenses before Property Taxes		4,201,775	3,329,795													
39	Less: Fixed Basic Rent																
40	Less: Percentage Rent																
41	Less: Adjustment Factor																
42	Less: Cash Working Capital Allowance & Tax Gross-up																
43	WTP Expenses After Adjustments		4,201,775	3,329,795													
44	WTP Property Taxes		527,065	542,877	559,163	575,938	593,216	611,013	629,343	648,223	667,670	687,700	708,331	729,581	751,469	774,013	797,233
45	Distribution System Property Taxes & FICA Taxes		328,574	338,431	348,584	359,042	369,813	380,907	392,335	404,105	416,228	428,715	441,526	454,823	468,468	482,522	496,998
46																	
47	Assumed Annual Municipal Cost % Increase	3%															
48																	
49	Add: Outsourcing Services (estimate: Woodard & Curran)					3,600,000	3,708,000	3,819,240	3,933,817	4,051,832	4,173,387	4,298,588	4,427,546	4,560,372	4,697,183	4,838,099	
50	Add: Additional Municipal Services (estimate)								200,000	206,000	212,180	218,545	225,102	231,855	238,810	245,975	
51	Add: Outsourcing Transition Costs (estimate: Woodard & Curran)								165,000								
52	Add: Other Transaction Costs (estimate)								150,000								
53	Add: Additional Municipal Labor (estimate)								225,000	231,750	238,703	245,864	253,239	260,837	268,662	276,722	
54	Total Annual Municipal O&M Expenses								5,726,145	5,573,480	5,740,684	5,912,905	6,090,292	6,273,000	6,461,190	6,655,026	
55																	
56	Acquisition/Town Repayment/Capital Reserve Borrowing Parameters																
57	Acquisition Price		\$107,837,567														
58	Acquisition Year		2019														
59	Initial Capital Reserve Funding		\$3,000,000														
60	Article 19 Fund Balance Replenishment		\$320,000														
61	Additional Fund Balance Replenishment		\$1,170,000														
62	Long-Term Debt Issuance Year		2020														
63	Long-Term Borrowing Interest Rate		3.75%														
64	Long-Term Borrowing Term (Years)		30														
65	Short-Term Borrowing Option Indicator		X	Note: A non-blank value indicates short-term borrowing for Year 1													
66	Short-Term Borrowing Interest Rate		2.25%														
67	Short-Term Borrowing Term (Years)		1														
68	Total Acquisition/Fund Balance Repayment/Capital Reserve Payment Cost		\$112,327,567														
69	Acquisition/Capital Reserve Long-Term Debt Service										7,956,536	7,816,127	7,675,717	7,535,308	7,394,898	7,254,489	7,114,079
70	Acquisition/Capital Reserve Short-Term Debt Service									2,527,370							
71																	
72	Annual Capital Reserve Replenishment Financing																
73	Annual Capital Reserve Replenishment		\$2,000,000														
74	Long-Term Borrowing Interest Rate		3.25%														
75	Long-Term Borrowing Term (Years)		20														
76	Capital Reserve Replenishment Cost Debt Service									165,000	326,750	485,250	640,500	792,500	941,250	1,086,750	1,229,000
77																	
78	Total Acquisition & Annual Capital Debt Service									2,692,370	8,283,286	8,301,377	8,316,217	8,327,808	8,336,148	8,341,239	8,343,079
79																	
80	Total Municipal Ownership Cost									8,418,516	13,856,766	14,042,061	14,229,122	14,418,099	14,609,149	14,802,429	14,998,105
81	YTY % Change in Total Municipal Ownership Cost									64.60%	1.34%	1.33%	1.33%	1.33%	1.32%	1.32%	
82																	
83	Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - w/o WRIM									5,359,425	(78,825)	1,113,675	926,614	737,636	2,062,160	1,868,879	1,673,203
84	Cumulative Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - w/o WRIM									5,359,425	5,280,601	6,394,275	7,320,889	8,058,525	10,120,685	11,989,564	13,662,768
85																	
86																	
87	Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - with WRIM									6,079,695	1,654,065	4,345,839	4,558,593	4,369,615	6,057,337	5,864,056	5,668,380
88	Cumulative Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - with WRIM									6,079,695	7,733,761	12,079,599	16,638,192	21,007,807	27,065,144	32,929,200	38,597,580
89																	

	A	B	R	S	T	U	V	W	X	Y	Z	AA	AB
1	Acquisition and System Maintenance Affordability												
2			2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037
3	Aquarion Annual Expense Increase (AEI)	3%											
4	Service Area A Cost of Service other than WTP expenses												
5	WTP Lease Expense												
6	Fixed Basic Rent										1,673,747	502,124	
7	Plus Percentage Rent										2,091,542		
8	Less Interest Credit										412,433		
9	Plus Adjustment Factor (adjusted down by 4,757)											502,124	
10	Total WTP Lease Expense										4,177,722	502,124	
11	Cash Working Capital Allowance/Tax Gross Up										31,943		
12	WTP O&M Expense subject to CWC (including AEI)												
13	WTP Expenses before Property Taxes												
14	WTP Property Taxes (including AEI)												
15	Total WTP Lease + Allowance + Taxes												
16	Total Service Area A Revenue Recovery	Aqua Model 10/15/2012											
17	Total AWCMA Operating Revenue Recovery												
18	Service Area A % of AWCMA												
19	Service Area A Pro Forma Proposed Rates-Total Operating Revenues												
20	AWCMA Pro Forma Proposed Rates-Total Operating Revenues												
21	Service Area A DPW 17-90 Pro Forma Operating Revenues												
22	AWCMA DPW 17-90 Pro Forma Proposed Operating Revenues												
23	Aquarion Rate Increase % (estimate)	10.00%											
24	Total Service Area A Revenue from 3-Year Increases - w/o WRIM	18,338,439	18,338,439	18,338,439	20,172,283	20,172,283	20,172,283	22,189,512	22,189,512	22,189,512	22,189,512	20,330,168	20,330,168
25	Aquarion WRIM Total Revenue Requirement												
26	Aquarion Base Revenue		22,733,134	22,733,134	22,733,134	25,006,447	25,006,447	25,006,447	27,507,092	27,507,092	27,507,092	26,179,506	26,179,506
27	Service Area A Revenue Including Prior Year's WRIM Total Revenue Requirement												
28	Aquarion Incremental WRIM Surcharge												
29	Aquarion Total WRIM Surcharge %												
30	Municipal Ownership Costs												
31	WTP Expenses before Property Taxes												
32	Less: Fixed Basic Rent												
33	Less: Percentage Rent												
34	Less: Adjustment Factor												
35	Less: Cash Working Capital Allowance & Tax Gross-up												
36	WTP Expenses After Adjustments												
37	WTP Property Taxes		821,150	845,785	871,158	897,293	924,212	951,938	980,496	1,009,911	1,040,208	1,071,415	1,103,557
38	Distribution System Property Taxes & FICA Taxes		511,908	527,265	543,083	559,375	576,156	593,441	611,244	629,582	648,469	667,923	687,961
39	Assumed Annual Municipal Cost % Increase	3%											
40	Add: Outsourcing Services (estimate: Woodard & Curran)		4,983,242	5,132,739	5,286,721	5,445,323	5,608,683	5,776,943	5,950,251	6,128,759	6,312,622	6,502,000	6,697,060
41	Add: Additional Municipal Services (estimate)		253,354	260,955	268,783	276,847	285,152	293,707	302,518	311,593	320,941	330,570	340,487
42	Add: Outsourcing Transition Costs (estimate: Woodard & Curran)												
43	Add: Other Transaction Costs (estimate)												
44	Add: Additional Municipal Labor (estimate)		285,023	293,574	302,381	311,453	320,796	330,420	340,333	350,543	361,059	371,891	383,047
45	Total Annual Municipal O&M Expenses		6,854,677	7,060,317	7,272,127	7,490,291	7,714,999	7,946,449	8,184,843	8,430,388	8,683,300	8,943,799	9,212,113
46	Acquisition/Town Repayment/Capital Reserve Borrowing Parameters												
47	Acquisition Price	\$107,837,567											
48	Acquisition Year	2019											
49	Initial Capital Reserve Funding	\$3,000,000											
50	Article 19 Fund Balance Replenishment	\$320,000											
51	Additional Fund Balance Replenishment	\$1,170,000											
52	Long-Term Debt Issuance Year	2020											
53	Long-Term Borrowing Interest Rate	3.75%											
54	Long-Term Borrowing Term (Years)	30											
55	Short-Term Borrowing Option Indicator	X											
56	Short-Term Borrowing Interest Rate	2.25%											
57	Short-Term Borrowing Term (Years)	1											
58	Total Acquisition/Fund Balance Repayment/Capital Reserve Payment Cost	\$112,327,567											
59	Acquisition/Capital Reserve Long-Term Debt Service		6,973,670	6,833,260	6,692,851	6,552,441	6,412,032	6,271,623	6,131,213	5,990,804	5,850,394	5,709,985	5,569,575
60	Acquisition/Capital Reserve Short-Term Debt Service												
61	Annual Capital Reserve Replenishment Financing												
62	Annual Capital Reserve Replenishment	\$2,000,000											
63	Long-Term Borrowing Interest Rate	3.25%											
64	Long-Term Borrowing Term (Years)	20											
65	Capital Reserve Replenishment Cost Debt Service		1,368,000	1,503,750	1,636,250	1,765,500	1,891,500	2,014,250	2,133,750	2,250,000	2,363,000	2,472,750	2,579,250
66	Total Acquisition & Annual Capital Debt Service		8,341,670	8,337,010	8,329,101	8,317,941	8,303,532	8,285,873	8,264,963	8,240,804	8,213,394	8,182,735	8,148,825
67	Total Municipal Ownership Cost												
68	YTY % Change in Total Municipal Ownership Cost		15,196,347	15,397,328	15,601,228	15,808,232	16,018,531	16,232,322	16,449,806	16,671,192	16,896,694	17,126,533	17,360,938
69	Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - w/o WRIM		3,142,093	2,941,112	2,737,212	2,524,051	2,300,988	2,068,925	1,828,962	1,580,000	1,325,037	955,074	576,658
70	Cumulative Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - w/o WRIM		16,804,860	19,745,972	22,483,184	26,007,235	31,000,988	34,940,950	40,680,655	46,198,976	51,491,794	54,695,428	57,664,658
71	Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - with WRIM												
72	Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - with WRIM		7,536,787	7,335,807	7,131,906	6,928,216	6,724,916	6,522,216	6,320,126	6,118,636	5,917,746	5,717,456	5,517,766
73	Cumulative Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - with WRIM		46,134,368	53,470,174	60,602,081	69,800,296	78,788,212	87,562,338	96,136,464	104,605,590	112,978,716	121,256,842	129,439,968

A	B	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1 Acquisition and System Maintenance Affordability		2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	TOTAL
3 Aquarion Annual Expense Increase (AEI)	3%													
4 Service Area A Cost of Service other than WTP expenses														
5														
6 WTP Lease Expense														
7 Fixed Basic Rent														
8 Plus Percentage Rent														
9 Less Interest Credit														
10 Plus Adjustment Factor (adjusted down by 4,757)														
11 Total WTP Lease Expense														
12 Cash Working Capital Allowance/Tax Gross Up														
13 WTP O&M Expense subject to CWC (including AEI)														
14 WTP Expenses before Property Taxes														
15 WTP Property Taxes (including AEI)														
16 Total WTP Lease + Allowance + Taxes														
17														
18 Total Service Area A Revenue Recovery	Aqua Model 10/15/2012													
19 Total AWCMA Operating Revenue Recovery														
20														
21 Service Area A % of AWCMA														
22 Service Area A Pro Forma Proposed Rates-Total Operating Revenues														
23 AWCMA Pro Forma Proposed Rates-Total Operating Revenues														
24														
25 Service Area A DPU 17-90 Pro Forma Operating Revenues														
26 AWCMA DPU 17-90 Pro Forma Proposed Operating Revenues														
27														
28 Aquarion Rate Increase % (estimate)		10.00%				10.00%			10.00%			10.00%		
29 Total Service Area A Revenue from 3-Year Increases - w/o WRIM		20,330,168	22,363,185	22,363,185	22,363,185	24,599,503	24,599,503	24,599,503	27,059,453	27,059,453	27,059,453	29,765,399	29,765,399	647,725,441
30														
31 Aquarion WRIM Total Revenue Requirement														
32 Aquarion Base Revenue		26,179,506	28,797,457	28,797,457	28,797,457	31,677,203	31,677,203	31,677,203	34,844,923	34,844,923	34,844,923	38,329,415	38,329,415	814,867,944
33 Service Area A Revenue Including Prior Year's WRIM Total Revenue Requirement														
34 Aquarion Incremental WRIM Surcharge														
35 Aquarion Total WRIM Surcharge %														
36														
37 Municipal Ownership Costs														
38 WTP Expenses before Property Taxes														
39 Less: Fixed Basic Rent														
40 Less: Percentage Rent														
41 Less: Adjustment Factor														
42 Less: Cash Working Capital Allowance & Tax Gross-up														
43 WTP Expenses After Adjustments														
44 WTP Property Taxes		1,136,664	1,170,764	1,205,887	1,242,063	1,279,325	1,317,705	1,357,236	1,397,953	1,439,892	1,483,088	1,527,581	1,573,408	32,412,910
45 Distribution System Property Taxes & FICA Taxes		708,600	729,858	751,754	774,306	797,535	821,461	846,105	871,488	897,633	924,562	952,299	980,868	20,206,311
46														
47 Assumed Annual Municipal Cost % Increase	3%													
48														
49 Add: Outsourcing Services (estimate: Woodard & Curran)		6,897,972	7,104,911	7,318,059	7,537,601	7,763,729	7,996,640	8,236,540	8,483,636	8,738,145	9,000,289	9,270,298	9,548,407	196,701,395
50 Add: Additional Municipal Services (estimate)		350,701	361,222	372,059	383,221	394,717	406,559	418,756	431,318	444,258	457,586	471,313	485,452	10,000,536
51 Add: Outsourcing Transition Costs (estimate: Woodard & Curran)														165,000
52 Add: Other Transaction Costs (estimate)														150,000
53 Add: Additional Municipal Labor (estimate)		394,539	406,375	418,566	431,123	444,057	457,379	471,100	485,233	499,790	514,784	530,227	546,134	11,250,603
54 Total Annual Municipal O&M Expenses		9,488,476	9,773,130	10,066,324	10,368,314	10,679,363	10,999,744	11,329,736	11,669,629	12,019,717	12,380,309	12,751,718	13,134,270	270,886,754
55														
56 Acquisition/Town Repayment/Capital Reserve Borrowing Parameters														
57 Acquisition Price	\$107,837,567													
58 Acquisition Year	2019													
59 Initial Capital Reserve Funding	\$3,000,000													
60 Article 19 Fund Balance Replenishment	\$320,000													
61 Additional Fund Balance Replenishment	\$1,170,000													
62 Long-Term Debt Issuance Year	2020													
63 Long-Term Borrowing Interest Rate	3.75%													
64 Long-Term Borrowing Term (Years)	30													
65 Short-Term Borrowing Option Indicator	X													
66 Short-Term Borrowing Interest Rate	2.25%													
67 Short-Term Borrowing Term (Years)	1													
68 Total Acquisition/Fund Balance Replenishment/Capital Reserve Payment Cost	\$112,327,567													
69 Acquisition/Capital Reserve Long-Term Debt Service		5,429,166	5,288,756	5,148,347	5,007,937	4,867,528	4,727,118	4,586,709	4,446,299	4,305,890	4,165,480	4,025,071	3,884,662	177,617,964
70 Acquisition/Capital Reserve Short-Term Debt Service														2,527,370
71														
72 Annual Capital Reserve Replenishment Financing														
73 Annual Capital Reserve Replenishment	\$2,000,000													
74 Long-Term Borrowing Interest Rate	3.25%													
75 Long-Term Borrowing Term (Years)	20													
76 Capital Reserve Replenishment Cost Debt Service		2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	2,682,500	59,835,000
77														
78 Total Acquisition & Annual Capital Debt Service		8,111,666	7,971,256	7,830,847	7,690,437	7,550,028	7,409,618	7,269,209	7,128,799	6,988,390	6,847,980	6,707,571	6,567,162	239,980,334
79														
80 Total Municipal Ownership Cost		17,600,142	17,744,386	17,897,171	18,058,751	18,229,391	18,409,362	18,598,945	18,798,428	19,008,107	19,228,289	19,459,289	19,701,431	510,867,088
81 YTY % Change in Total Municipal Ownership Cost		1.38%	0.82%	0.86%	0.90%	0.94%	0.99%	1.03%	1.07%	1.12%	1.16%	1.20%	1.24%	
82														
83 Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - w/o WRIM		2,730,026	4,618,798	4,466,014	4,304,434	6,370,112	6,190,141	6,000,558	8,261,025	8,051,346	7,831,164	10,306,109	10,063,967	136,858,353
84 Cumulative Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - w/o WRIM		60,394,685	65,013,483	69,479,497	73,783,930	80,154,042	86,344,183	92,344,741	100,605,766	108,657,112	116,488,276	126,794,386	136,858,353	136,858,353
85														
86														
87 Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - with WRIM		8,579,365	11,053,071	10,900,286	10,738,706	13,447,812	13,267,840	13,078,257	16,046,495	15,836,816	15,616,634	18,870,126	18,627,984	304,000,856
88 Cumulative Service Area A Savings/(Extra Cost) with 3-Year Rate Increases - with WRIM		146,516,830	157,569,901	168,470,187	179,208,893	192,656,705	205,924,545	219,002,802	235,049,297	250,886,113	266,502,746	285,372,872	304,000,856	304,000,856
89														

	A	B	C	D	E	F
1	Acquisition/Capital Reserve Long-Term Borrowing					
2	Amount	112,327,567				
3	Rate	3.75%				
4	Term	30				
5	Year	O/S Bal.	Principal	Interest	P&I / FY	Fiscal Year
6	1	112,327,567		2,106,142		2020
7		112,327,567	3,744,252	2,106,142	7,956,536	2020
8	2	108,583,315		2,035,937		2021
9		108,583,315	3,744,252	2,035,937	7,816,127	2021
10	3	104,839,063		1,965,732		2022
11		104,839,063	3,744,252	1,965,732	7,675,717	2022
12	4	101,094,810		1,895,528		2023
13		101,094,810	3,744,252	1,895,528	7,535,308	2023
14	5	97,350,558		1,825,323		2024
15		97,350,558	3,744,252	1,825,323	7,394,898	2024
16	6	93,606,306		1,755,118		2025
17		93,606,306	3,744,252	1,755,118	7,254,489	2025
18	7	89,862,054		1,684,914		2026
19		89,862,054	3,744,252	1,684,914	7,114,079	2026
20	8	86,117,801		1,614,709		2027
21		86,117,801	3,744,252	1,614,709	6,973,670	2027
22	9	82,373,549		1,544,504		2028
23		82,373,549	3,744,252	1,544,504	6,833,260	2028
24	10	78,629,297		1,474,299		2029
25		78,629,297	3,744,252	1,474,299	6,692,851	2029
26	11	74,885,045		1,404,095		2030
27		74,885,045	3,744,252	1,404,095	6,552,441	2030
28	12	71,140,793		1,333,890		2031
29		71,140,793	3,744,252	1,333,890	6,412,032	2031
30	13	67,396,540		1,263,685		2032
31		67,396,540	3,744,252	1,263,685	6,271,623	2032
32	14	63,652,288		1,193,480		2033
33		63,652,288	3,744,252	1,193,480	6,131,213	2033
34	15	59,908,036		1,123,276		2034
35		59,908,036	3,744,252	1,123,276	5,990,804	2034
36	16	56,163,784		1,053,071		2035
37		56,163,784	3,744,252	1,053,071	5,850,394	2035
38	17	52,419,531		982,866		2036
39		52,419,531	3,744,252	982,866	5,709,985	2036
40	18	48,675,279		912,661		2037
41		48,675,279	3,744,252	912,661	5,569,575	2037
42	19	44,931,027		842,457		2038
43		44,931,027	3,744,252	842,457	5,429,166	2038
44	20	41,186,775		772,252		2039
45		41,186,775	3,744,252	772,252	5,288,756	2039

	A	B	C	D	E	F
1	Acquisition/Capital Reserve Long-Term Borrowing					
2	Amount	112,327,567				
3	Rate	3.75%				
4	Term	30				
5	Year	O/S Bal.	Principal	Interest	P&I / FY	Fiscal Year
46	21	37,442,523		702,047		2040
47		37,442,523	3,744,252	702,047	5,148,347	2040
48	22	33,698,271		631,843		2041
49		33,698,271	3,744,252	631,843	5,007,937	2041
50	23	29,954,019		561,638		2042
51		29,954,019	3,744,252	561,638	4,867,528	2042
52	24	26,209,767		491,433		2043
53		26,209,767	3,744,252	491,433	4,727,118	2043
54	25	22,465,515		421,228		2044
55		22,465,515	3,744,252	421,228	4,586,709	2044
56	26	18,721,263		351,024		2045
57		18,721,263	3,744,252	351,024	4,446,299	2045
58	27	14,977,011		280,819		2046
59		14,977,011	3,744,252	280,819	4,305,890	2046
60	28	11,232,759		210,614		2047
61		11,232,759	3,744,252	210,614	4,165,480	2047
62	29	7,488,507		140,410		2048
63		7,488,507	3,744,252	140,410	4,025,071	2048
64	30	3,744,255		70,205		2049
65		3,744,255	3,744,252	70,205	3,884,662	2049
66	31	3		0		2050
67		3		0	0	2050
68			112,327,565	65,290,399	177,617,964	
69						
70						

	A	B	C	D	E	F
1	Acquisition/Capital Reserve Short-Term Borrowing					
2	Utilize S-T Borrowing	X				
3	Amount	112,327,567				
4	Rate	2.25%				
5	Term	1				
6	<u>Year</u>	<u>O/S Bal.</u>	<u>Principal</u>	<u>Interest</u>	<u>P&I / FY</u>	<u>Fiscal Year</u>
7	1	112,327,567		1,263,685		2019
8		112,327,567	112,327,567	1,263,685	114,854,937	2019
9			112,327,567	2,527,370	114,854,937	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Annual Capital Reserve Borrowing																							
2	Amount	2,000,000																						
3	Rate	3.25%																						
4	Term	20																						
5		Q/S Bal.	Principal	Interest	P&I / FY	Year	Year																	
6		2,000,000		32,500		1	2019																	
7		2,000,000	100,000	32,500	165,000	1																		
8		1,900,000		30,875		2	2021																	
9		1,900,000	100,000	30,875	161,750	2																		
10		1,800,000	0	29,250		3	2022																	
11		1,800,000	100,000	29,250	158,500	3																		
12		1,700,000	0	27,625		4	2023																	
13		1,700,000	100,000	27,625	155,250	4																		
14		1,600,000	0	26,000		5	2024																	
15		1,600,000	100,000	26,000	152,000	5																		
16		1,500,000	0	24,375		6	2025																	
17		1,500,000	100,000	24,375	148,750	6																		
18		1,400,000	0	22,750		7	2026																	
19		1,400,000	100,000	22,750	145,500	7																		
20		1,300,000	0	21,125		8	2027																	
21		1,300,000	100,000	21,125	142,250	8																		
22		1,200,000	0	19,500		9	2028																	
23		1,200,000	100,000	19,500	139,000	9																		
24		1,100,000	0	17,875		10	2029																	
25		1,100,000	100,000	17,875	135,750	10																		
26		1,000,000	0	16,250		11	2030																	
27		1,000,000	100,000	16,250	132,500	11																		
28		900,000	0	14,625		12	2031																	
29		900,000	100,000	14,625	129,250	12																		
30		800,000	0	13,000		13	2032																	
31		800,000	100,000	13,000	126,000	13																		
32		700,000	0	11,375		14	2033																	
33		700,000	100,000	11,375	122,750	14																		
34		600,000	0	9,750		15	2034																	
35		600,000	100,000	9,750	119,500	15																		
36		500,000	0	8,125		16	2035																	
37		500,000	100,000	8,125	116,250	16																		
38		400,000	0	6,500		17	2036																	
39		400,000	100,000	6,500	113,000	17																		
40		300,000	0	4,875		18	2037																	
41		300,000	100,000	4,875	109,750	18																		
42		200,000	0	3,250		19	2038																	
43		200,000	100,000	3,250	106,500	19																		
44		100,000	0	1,625		20	2039																	
45		100,000	100,000	1,625	103,250	20		2,682,500																
46		0	0	0		21	2040																	
47		0	100,000	0	100,000	21																		
48		-100,000	0	-1,625		22	2041																	
49		-100,000	100,000	-1,625	96,750	22																		
50		-200,000	0	-3,250		23	2042																	
51		-200,000	100,000	-3,250	93,500	23																		
52		-300,000	0	-4,875		24	2043																	
53		-300,000	100,000	-4,875	90,250	24																		
54		-400,000	0	-6,500		25	2044																	
55		-400,000	100,000	-6,500	87,000	25																		
56		-500,000	0	-8,125		26	2045																	
57		-500,000	100,000	-8,125	83,750	26																		
58		-600,000	0	-9,750		27	2046																	
59		-600,000	100,000	-9,750	80,500	27																		
60		-700,000	0	-11,375		28	2047																	
61		-700,000	100,000	-11,375	77,250	28																		
62		-800,000	0	-13,000		29	2048																	
63		-800,000	100,000	-13,000	74,000	29																		
64		-900,000	0	-14,625		30	2049																	
65		-900,000	100,000	-14,625	70,750	30																		
66		Totals	3,000,000	536,250	3,536,250																			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	
67	Year:	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040		
68		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
69	1	165,000																						165,000	
70	2	161,750	165,000																					326,750	
71	3	158,500	161,750	165,000																				485,250	
72	4	155,250	158,500	161,750	165,000																			640,500	
73	5	152,000	155,250	158,500	161,750	165,000																		792,500	
74	6	148,750	152,000	155,250	158,500	161,750	165,000																	941,250	
75	7	145,500	148,750	152,000	155,250	158,500	161,750	165,000																1,086,750	
76	8	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000															1,229,000	
77	9	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000														1,368,000	
78	10	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000													1,503,750	
79	11	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000												1,636,250	
80	12	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000											1,765,500	
81	13	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000										1,891,500	
82	14	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000									2,014,250	
83	15	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000								2,133,750	
84	16	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000							2,250,000	
85	17	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000						2,363,000	
86	18	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000					2,472,750	
87	19	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000				2,579,250	
88	20	103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000			2,682,500	
89	21		103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000		2,682,500	
90	22			103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	165,000	165,000	2,682,500
91	23				103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	161,750	2,517,500
92																									22-Year Total: 35,692,500
93																									30-Year Total: 59,835,000
94				103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	161,750	161,750	2,517,500	
95					103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	158,500	158,500	2,355,750	
96						103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	155,250	155,250	2,197,250	
97							103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	152,000	152,000	2,042,000	
98								103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	148,750	148,750	1,890,000	
99									103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	145,500	145,500	1,741,250	
100										103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	142,250	142,250	1,595,750	
101											103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	139,000	139,000	1,453,500	
102												103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	132,500	135,750	135,750	1,314,500	
103													103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	129,250	132,500	1,178,750	
104														103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	129,250	129,250	1,046,250	
105															103,250	106,500	109,750	113,000	116,250	119,500	122,750	126,000	126,000	917,000	
106																103,250	106,500	109,750	113,000	116,250	119,500	122,750	122,750	791,000	
107																	103,250	106,500	109,750	113,000	116,250	119,500	119,500	668,250	
108																		103,250	106,500	109,750	113,000	116,250	116,250	548,750	
109																			103,250	106,500	109,750	113,000	113,000	432,500	
110																				103,250	106,500	109,750	109,750	319,500	
111																						103,250	106,500	209,750	
112		2,682,500																					103,250	103,250	