Aqua North Carolina, Inc. Docket No. W-218, Sub 526 Historical Conservation Experience

	Total			3-Yr Avg		Compounded
Test Year	Customers	Total kGallons	Avg Gallons	Gallons per	Change in	Annual
Ended	Bills	Billed	per Month	Month	3-Yr Avg	Growth Rate
Consolidated	Dillo	Dilica	per month	WOTH	J-11 Avg	Glowiii Kate
9/30/2009	844,871	47,428,082	5,614			
9/30/2010	849,911	49,188,432	5,787			
9/30/2010	857,409	49,885,466	5,818	5,740		
9/30/2011	861,297	46,813,921	5,435	5,680	-1.06%	
9/30/2013	878,244	43,607,549	4,965	5,403	-4.87%	
9/30/2013	895,252	46,482,452	5,192	5,403 5,196	-3.83%	
9/30/2014	912,661	47,565,124	5,212	5,195	-1.37%	
9/30/2016	926,901	47,363,124	5,102	5,168	0.85%	
9/30/2017	937,577	48,076,057	5,102	5,100	-0.41%	
9/30/2017	952,244	47,845,083	5,024	5,084	-1.21%	
9/30/2018	952,244	48,891,837	5,024	5,064	-0.28%	-1.54%
Aqua NC	900,303	40,091,037	5,056	5,070	-0.20%	-1.54%
9/30/2009	639,606	34,171,851	5,343			
9/30/2009	643,070	35,433,430	5,543 5,510			
				F 470		
9/30/2011	649,629	36,092,568	5,556 5,190	5,470 5,417	-0.96%	
9/30/2012	654,306	33,950,878	5,189			
9/30/2013	670,955	31,553,318	4,703	5,144	-5.04%	
9/30/2014	687,071	33,766,698	4,915	4,933	-4.11%	
9/30/2015	702,835	35,297,154	5,022	4,882	-1.03%	
9/30/2016	714,272	35,083,286	4,912	4,950	1.38%	
9/30/2017	724,037	36,060,305	4,980	4,971	0.44%	
9/30/2018	734,818	35,757,333	4,866	4,919	-1.05%	
9/30/2019	745,135	36,044,481	4,837	4,894	-0.51%	-1.38%
Brookwood	405 505	40 444 050	0.400			
9/30/2009	165,505	10,141,652	6,128			
9/30/2010	166,045	10,461,136	6,300	0.405		
9/30/2011	166,461	10,249,282	6,157	6,195	4.050/	
9/30/2012	164,677	9,521,052	5,782	6,081	-1.85%	
9/30/2013	164,018	9,163,475	5,587	5,843	-3.90%	
9/30/2014	162,951	9,523,561	5,844	5,737	-1.81%	
9/30/2015	163,099	8,993,485	5,514	5,648	-1.55%	
9/30/2016	164,015	8,760,644	5,341	5,566 5,271	-1.45%	
9/30/2017	162,897	8,564,599	5,258	5,371	-3.50%	
9/30/2018	163,535	8,497,683	5,196	5,265	-1.97%	
9/30/2019	164,873	8,332,197	5,054	5,169	-1.83%	-2.24%
Fairways	20.760	2 111 570	7 000			
9/30/2009	39,760	3,114,579	7,833			
9/30/2010	40,817	3,293,866	8,070	0.460		
9/30/2011	41,361	3,543,616	8,568	8,162	0.000/	
9/30/2012	42,185	3,341,991	7,922	8,185	0.29%	
9/30/2013	43,277	2,890,756	6,680	7,709	-5.82%	
9/30/2014	45,230	3,192,193	7,058	7,212	-6.45%	
9/30/2015	46,727	3,274,485	7,008	6,919	-4.05%	
9/30/2016	48,614	3,444,033	7,084	7,050	1.89%	
9/30/2017	50,643	3,451,153	6,815	6,966	-1.19%	
9/30/2018	53,891	3,590,067	6,662	6,846	-1.72%	4.0007
9/30/2019	56,557	4,515,159	7,983	7,174	4.78%	-1.60%

Aqua North Carolina, Inc.

Docket No. W-218, Sub 526

Impact of 3-Yr Avg in Determining Rates

Modeled	annual conservation rate	1.00%				
	Avg Monthly Consumption		Avg Monthly Consumption			Avg Monthly Consumption
Month	(Gal)	Month	(Gal)		Month	(Gal)
1	5,100	13	5,052		25	5,004
2	5,096	14	5,048		26	5,000
3	5,092	15	5,044		27	4,996
4	5,088	16	5,040		28	4,992
5	5,084	17	5,036		29	4,988
6	5,080	18	5,032		30	4,984
7	5,076	19	5,028	When rates	31	4,980
8	5,072	20	5,024	decline	32	4,976
9	5,068	21	5,020	steadily, 3-yr	33	4,972
10	5,064	22	5,016	avg is	34	4,968
11	5,060	23	5,012	equivalent to the average	35	4,964
12	5,056	24	5,008	of month 18 and 19.	36	4,960
12	3-Yr Avg Monthly C		5,008	and 19.	36	

TABL	E 2					
Assu	mptions*					
1.	Revenue requirement	\$	24,600,000			
2.	Customer count		81,000			
3.	Beginning consumption figure		5,100			
Reve	nue Requirement			\$	24,600,000	(A)
Pro fo	orma consumption using 3-year avg from ⁻	Table 1				
	(5,030 gal/mo * 12 mos * 81,000 cust	omers)		4	,889,160,000	(B)
Volur	metric rate determined using 3-yr avg (per	kilogallo	n)			
	[(A)/(B) * 1,000]			\$	5.03	(C)
Pro fo	orma consumption using TYE actual from 1	Γable 1				
	(4,960 gal/mo * 12 mos * 81,000 cust	omers)		4	,821,120,000	(D)
Pro fo	orma revenue based on actual usage levels	s				
	[(C)*(D) / 1,000]			\$	24,257,654	(E)
Annu	al revenue shortfall from use of 3-yr avg					
	[(A) - (E)]			\$	342,346	

- * Assumptions are based on the following:
- 1) Revenue requirement is the approximate amount approved for recovery via volumetric rates in the Company's last rate case.
- 2) Customer count is approximate number of water customers as of the end of the test year.
- 3) Beginning consumption figure is the approximate average monthly consumption for the consolidated entity for the 12 months ended 9/30/16 (the current three-year average calculation would have begun on the next day, 10/1/16)

Thill Direct Exhibit 3

Aqua North Carolina, Inc.
Docket No. W-218, Sub 526
Key Customer Statistics for Pilot Areas
For the Test Year Ended 9/30/2019

	The Cape	<u>Arbor Run</u>	<u>Bayleaf</u>	Merion	Pebble Bay	<u>Total</u>
Rate Entity	Fairways	ANC	ANC	ANC	ANC	
Geographic Region	East	West	Central	Central	West	
		Winston-				
Primary City	Wilmington	Salem	Raleigh	Apex	Denver	
Total customers with 12 months of consumption in test year	3,675	213	5,501	94	174	9,657
For those customers with 12 bills in test period:						
Avg consumption (in gallons per month)	7,084	9,326	7,298	5,625	9,764	7,289
Consumption in customer's 2nd highest month*	12,695	17,379	12,380	7,973	19,134	12,689
Consumption in customer's 2nd lowest month*	2,839	3,830	3,643	3,696	3,390	3,338
Volatility Ratio (2nd highest/2nd lowest)	4.5	4.5	3.4	2.2	5.6	3.8
Customers with Volatility Ratios of:						
Less than 1.5 (minimal volatility)	17%	9%	20%	38%	9%	19%
Greater than 4.0 (significant volatility)	34%	46%	26%	11%	59%	30%
Total CUSTOMERS with consumption in test year	4,224	226	6,003	101	200	10,754
Number/% of customers with any bill above threshold:						
>20,000 gallons	1,100 / 26%	97 / 43%	1,481 / 25%	12 / 12%	104 / 52%	2,794 / 26%
>50,000 gallons	282 / 7%	12 / 5%	311 / 5%	1/1%	17 / 9%	623 / 6%
Total BILLS with consumption in test year	48,396	2,656	70,025	1,197	2,274	124,548
Number/% of bills above threshold	40,330	2,030	70,023	1,137	2,2/4	127,340
>20,000 gallons	3,963 / 8%	321 / 12%	4,651 / 7%	29 / 2%	332 / 15%	9,296 / 7%
>50,000 gallons	667 / 1%	20 / 1%	604 / 1%	1/0%	21 / 1%	1,313 / 1%

^{*} The 2nd highest and lowest months were selected in order to minimize the impact of potential anomalies (billing errors, leaks, other adjustments).

Aqua North Carolina, Inc.

Docket No. W-218, Sub 526

Illustration of Revenue Reconciliation for Pilot Program

	Determinants used in calculating rates Assumed "Actuals" for Illustration														
	Upper Limit	<u>Factor</u>	<u>\$</u>	/kGal	Usg kGals		Revenue		Usg kGals		Revenue				
Block 1	4,000	1.00	\$	4.65	250,000	\$	1,162,500		260,000	\$	1,209,000				
Block 2	8,000	1.50	\$	6.98	100,000	\$	698,000		95,000	\$	663,100				
Block 3	15,000	2.25	\$	10.46	90,000	\$	941,400		90,000	\$	941,400				
Block 4	15,000+	3.00	\$	13.95	80,000	\$	1,116,000		75,000	\$	1,046,250				
				7.53	520,000	\$	3,917,900	(A)	520,000 (J)	\$	3,859,750 (D)				
		Е	Bill c	ount in	rate design		79,200	(B)	Actual bill count		79,200 (E)				
	Reven	ue per Bill	as /	Authoriz	ed [(A)/(B)]	\$	49.47	(C)	Rev/Bill-Actual [(D)/(E)]	\$	48.73 (F)				
					Ave	rag	e per Custom	er Usa	age Excess/Deficit [(F)-(C)]	\$	(0.73) (G)				
								Е	xcess/Deficit Rate [(G)/(C)]		-1.48% (H)				
Revenue	DEFICIT to be	recovered	d on	a VOL	UMETRIC B	BAS	IS:		_						
	Revenu	e deficit to	be	recover	ed [(A)*(H)]	\$	58,150	(I)							
	Surch	narge per l	kilo	gallon [(I)/(J*9/12)]	\$	0.15	*							

Scenario	Scenario 2 - Customers conserve 1% LESS than modeled for rates; average consumption is HIGHER than in rates												
		Determin	ants	s in cal	culating rat	<u>es</u>			Assumed "Actuals"	for	Illustration		
	Upper Limit	<u>Factor</u>	<u>\$</u>	/kGal	Usg kGals		Revenue		<u>Actual</u>		Revenue		
Block 1	4,000	1.00	\$	4.65	250,000	\$	1,162,500		252,500	\$	1,174,125		
Block 2	8,000	1.50	\$	6.98	100,000	\$	698,000		101,000	\$	704,980		
Block 3	15,000	2.25	\$	10.46	90,000	\$	941,400		90,900	\$	950,814		
Block 4	15,000+	3.00	\$	13.95	80,000	\$	1,116,000		80,800	\$	1,127,160		
				7.53	520,000	\$	3,917,900	(A)	525,200 (J)	\$	3,957,079	(D)	
		Е	Bill c	ount in	rate design		79,200	(B)	Actual bill count		79,200	(E)	
	Reven	ue per Bill	as A	Authoriz	ed [(A)/(B)]	\$	49.47	(C)	Rev/Bill-Actual [(D)/(E)]	\$	49.96	(F)	
					Ave	rag	e per Custom	er Usa	age Excess/Deficit [(F)-(C)]	\$	0.49	(G)	
								E	xcess/Deficit Rate [(G)/(C)]		1.00%	(H)	
Revenue	EXCESS to be	e refunded	as a	a FLAT	RATE CRE	DIT	Γ:		-				
					ed [(A)*(H)]		39,179	` '					
	Sur	credit per d	cust	omer [(I)/(E*9/12)]	\$	0.66	*					

Scenario	Scenario 3 - Customers conserve MORE than modeled for rates; average consumption is LOWER than in rates													
		Determin	ant	s in cal	culating rat	es			Assumed "Actuals"	for I	<u>lllustration</u>			
	Upper Limit	<u>Factor</u>	\$	/kGal	Usg kGals		Revenue		<u>Actual</u>	<u> </u>	<u>Revenue</u>			
Block 1	4,000	1.00	\$	4.65	250,000	\$	1,162,500		247,500	\$	1,150,875			
Block 2	8,000	1.50	\$	6.98	100,000	\$	698,000		99,000	\$	691,020			
Block 3	15,000	2.25	\$	10.46	90,000	\$	941,400		89,100	\$	931,986			
Block 4	15,000+	3.00	\$	13.95	80,000	\$	1,116,000		79,200	\$	1,104,840			
				7.53	520,000	\$	3,917,900	(A)	514,800 (J)	\$	3,878,721	(D)		
		Е	Bill d	count in	rate design		79,200	(B)	Actual bill count		79,200	(E)		
	Reven	ue per Bill	as .	Authoriz	zed [(A)/(B)]	\$	49.47	(C)	Rev/Bill-Actual [(D)/(E)]	\$	48.97	(F)		
					Ave	rag	e per Custome	er Usa	age Excess/Deficit [(F)-(C)]	\$	(0.49)	(G)		
								E	xcess/Deficit Rate [(G)/(C)]		-1.00%	(H)		
Revenue	DEFICIT to be	recovered	d on	a VOL	UMETRIC E	BAS	SIS:		_					
	Revenu	e deficit to	be	recover	ed [(A)*(H)]	\$	39,179	(I)						
	Surch	narge per l	cilo	gallon [(I)/(J*9/12)]	\$	0.10	*						

^{*} The revenue adjustment will be collected or refunded over 9 months (after allowing 3 months for computation of the adjustment) following the end of each 12 month period after implementation of new rates.

Aqua North Carolina, Inc.
Docket No. W-218, Sub 526
Deferred Accounting on Post-Test Year Additions

TABLE 1		Е	Brookwood	Fairways				
Summary of Post-Test Year Additions	 ANC Water		Water	Water	 ANC Sewer	Fai	rways Sewer	Total
WSIC/SSIC eligible projects	\$ 3,944,746	\$	1,480,000		\$ 1,294,510	\$	31,550	\$ 6,750,806
Non-WSIC/SSIC projects	\$ 3,512,145	\$	1,393,120	\$ 11,400	\$ 1,823,022	\$	312,750	\$ 7,052,437
Total projects	\$ 7,456,891	\$	2,873,120	\$ 11,400	\$ 3,117,532	\$	344,300	\$ 13,803,243
Routine replacements	\$ 3,004,698	\$	1,945,570	\$ 96,311	\$ 1,772,712	\$	151,132	\$ 6,970,423
Total post-test year additions	\$ 10,461,589	\$	4,818,690	\$ 107,711	\$ 4,890,244	\$	495,432	\$ 20,773,666

Rate		ANC Water	- 1	Brookwood Water		Fairways Water		ANC Sewer	Fa	irways Sewer		Total
	\$	3,944,746	\$	1,480,000	\$	-	\$	1,294,510	\$	31,550	\$	6,750,806
	\$	0.11	\$	0.10	\$	-	\$	0.10	\$	0.13		
	\$	433,922	\$	150,960	\$	-	\$	134,629	\$	4,196	\$	723,707
		25%		25%		25%		25%		25%		25%
	\$	108,481	\$	37,740	\$	-	\$	33,657	\$	1,049	\$	180,927
	Rate	Rate \$ \$ \$ \$ \$	\$ 3,944,746 \$ 0.11 \$ 433,922 25%	Rate ANC Water \$ 3,944,746 \$ \$ 0.11 \$ \$ 433,922 \$ 25%	\$ 3,944,746 \$ 1,480,000 \$ 0.11 \$ 0.10 \$ 433,922 \$ 150,960 25% 25%	Rate ANC Water Water \$ 3,944,746 \$ 1,480,000 \$ \$ 0.11 \$ 0.10 \$ \$ 433,922 \$ 150,960 \$ 25% 25%	Rate ANC Water Water Water \$ 3,944,746 \$ 1,480,000 \$ - \$ 0.11 \$ 0.10 \$ - \$ 433,922 \$ 150,960 \$ - 25% 25% 25%	Rate ANC Water Water Water \$ 3,944,746 \$ 1,480,000 \$ - \$ \$ 0.11 \$ 0.10 \$ - \$ \$ 433,922 \$ 150,960 \$ - \$ 25% 25% 25%	Rate ANC Water Water Water ANC Sewer \$ 3,944,746 \$ 1,480,000 \$ - \$ 1,294,510 \$ 0.11 \$ 0.10 \$ - \$ 0.10 \$ 433,922 \$ 150,960 \$ - \$ 134,629 25% 25% 25%	Rate ANC Water Water Water ANC Sewer Fa \$ 3,944,746 \$ 1,480,000 \$ - \$ 1,294,510 \$ \$ 0.11 \$ 0.10 \$ - \$ 0.10 \$ \$ 433,922 \$ 150,960 \$ - \$ 134,629 \$ 25% 25% 25% 25%	Rate ANC Water Water Water ANC Sewer Fairways Sewer \$ 3,944,746 \$ 1,480,000 \$ - \$ 1,294,510 \$ 31,550 \$ 0.11 \$ 0.10 \$ - \$ 0.10 \$ 0.13 \$ 433,922 \$ 150,960 \$ - \$ 134,629 \$ 4,196 25% 25% 25% 25% 25%	Rate ANC Water Water Water ANC Sewer Fairways Sewer \$ 3,944,746 \$ 1,480,000 \$ - \$ 1,294,510 \$ 31,550 \$ \$ 0.11 \$ 0.10 \$ - \$ 0.10 \$ 0.13 \$ 433,922 \$ 150,960 \$ - \$ 134,629 \$ 4,196 \$ 25% 25% 25% 25% 25% 25% 25%

^{*} Recovery Rate is based on the Company's most recent WSIC/SSIC filing but will be trued up when final post-test year information is available.

^{**} Pro ration factor 1 is applied to represent the 3 months of recovery (25% of the year) anticipated from the time WSIC/SSIC rates would go into effect (7/1/20) until the presumed date of new base rates (10/1/20), at which time WSIC/SSIC rates reset to \$0.

Aqua North Carolina, Inc.

Docket No. W-218, Sub 526

Deferred Accounting on Post-Test Year Additions

TABLE 3									
Calculation of Total Costs of PTY Additions for which deferral accounting is sought		,	ANC Water	Brookwood Water	Fairways Water	ANC Sewer	Fa	irways Sewer	Total
Total projects (TABLE 1)	1	\$	7,456,891	\$ 2,873,120	\$ 11,400	\$ 3,117,532	\$	344,300	\$ 13,803,243
Less depreciation ^^		\$	(270,894)	\$ (83,149)	\$ (179)	\$ (112,446)	\$	(10,012)	\$ (476,680
Rate base impact (A)		\$	7,185,997	\$ 2,789,971	\$ 11,221	\$ 3,005,086	\$	334,288	\$ 13,326,563
	Rate ^								
Lost earnings on projects (B)= [(A)*Rate]	9.70%	\$	348,542	\$ 135,322	\$ 544	\$ 145,755	\$	16,214	\$ 646,377
Lost interest on projects [(A)*Rate]	4.63%	\$	166,356	\$ 64,588	\$ 260	\$ 69,568	\$	7,739	\$ 308,511
Unrecovered depreciation ^^		\$	270,894	\$ 83,149	\$ 179	\$ 112,446	\$	10,012	\$ 476,680
Annual earnings impact		\$	785,792	\$ 283,059	\$ 983	\$ 327,769	\$	33,965	\$ 1,431,568
Tax gross-up of equity return ^^^[(B)*Rate]	29.8%	\$	103,963	\$ 40,364	\$ 162	\$ 43,476	\$	4,836	\$ 192,801
Annual revenue requirement		\$	889,755	\$ 323,423	\$ 1,145	\$ 371,245	\$	38,801	\$ 1,624,369
Pro ration factor 2 ^^^			75%	75%	75%	75%		75%	75%
Pro rated revenue requirement		\$	667,316	\$ 242,567	\$ 859	\$ 278,434	\$	29,101	\$ 1,218,277
WSIC/SSIC recovery		\$	(108,481)	\$ (37,740)	\$ -	\$ (33,657)	\$	(1,049)	\$ (180,927)
Net deferral request		\$	558,835	\$ 204,827	\$ 859	\$ 244,777	\$	28,052	\$ 1,037,350
Annual amortization expense (c)		\$	111,767	\$ 40,965	\$ 172	\$ 48,955	\$	5,610	\$ 207,470
Deferral to include in rate base		\$	447,068	\$ 163,862	\$ 687	\$ 195,821	\$	22,442	\$ 829,880
Pro forma customer count ^^^^ (D)			62,876	13,973	4,854	16,951		3,075	101,729
Monthly impact of amortization [(C)/(D)*1/12]		\$	0.15	\$ 0.24	\$ 0.00	\$ 0.24	\$	0.15	\$ 0.17

[^] Financing rates are based on authorized rates in the Company's most recent rate case (W-218, Sub 497).

^{^^} Based on information supporting Exhibits A-1 through A-5, Schedule 2, of the Application. Note that depreciation attributed to routine replacements is excluded from these figures, and therefore these figures do not fully match the total depreciation identified in Schedule 2. These figures are estimates and will be updated once fully known at the end of the post-test year period.

^{^^^} Tax gross up rate is calculated as [(1/(1-(21%+2.5%*(1-21%)))-1]] where the federal tax rate is 21% and state tax rate is 2.5%.

^{^^^} Pro ration factor 2 assumes asset acquisitions occur ratably through the presumed post-test year period, 10/1/19-3/31/20, for an average acquisition date of 1/1/20, and new rates are Ordered effective 10/1/20.

^{^^^^} Total pro forma residential and commercial bills (divided by 12 months) from Application Exhibit F for each entity.

Aqua North Carolina, Inc.
Docket No. W-218, Sub 526
Deferred Accounting on Post-Test Year Additions

TABLE 4				
Calculation of Revenue Deficiency	Reference	Gross	Taxes	Net w/ Debt*
Authorized earnings	W-218, Sub 497			9,238,491
Interest on additions	Table 3	(308,511)	70,880	(237,631)
Depreciation on additions	Table 3	(476,680)	109,517	(367,163)
Earnings before WSIC/SSIC revenue			•	8,633,698 (/
Annual WSIC/SSIC revenue	Table 2	723,707	(166,272)	557,435 (1
Pro forma earnings			•	9,191,133 (
			Equity	
		Rate base	Funded	Equity Base
Rate base at Order date	W-218, Sub 497	190,472,859	50%	95,236,430
Rate base impact of additions	Table 3	13,326,563	50%	6,663,282
Pro forma rate base		203,799,422	:	101,899,711 (
Pro forma return on equity rate base	[(C)/(D)]			9.02%
Authorized return on equity rate base	W-218, Sub 497			9.70% (1
Annual return deficiency				-0.68%
Reconciliaton of annual return deficiency to ne	t deferral request			
Return on pro forma rate base, at authorized	[(D)*(E)]			9,884,868
Earnings before WSIC/SSIC revenue	(A)			8,633,698
Annual earnings deficit before WSIC/SSIC			•	1,251,171
Annualization during recovery period ^	Note 1			75%
Deficiency, before WSIC/SSIC			•	938,378 (1
Annual WSIC/SSIC earnings	(B)			(557,435)
Annualization during recovery period ^^	Note 2			25%
WSIC/SSIC earnings during recovery period			•	(139,359)
Net earnings deficiency	[(F)+(G)]			799,019
Tax gross-up ^^^	Note 3		29.8%	238,331
Net revenue deficiency			•	1,037,350

^{*} The "Net w/ Debt" evaluation assumes that the Company has ready access to financing in the debt market and is able to finance the post-test year additions at a borrowing rate equal to that approved in its last rate case.

Note 1 - Assumes asset acquisitions occur ratably through the presumed post-test year period, 10/1/19-3/31/20, for an average acquisition date of 1/1/20, and new rates are Ordered effective 10/1/20.

Note 2 - Represents the 3 months of recovery (25% of the year) anticipated from the time WSIC/SSIC rates would go into effect (7/1/20) until the presumed date of new base rates (10/1/20), at which time WSIC/SSIC rates would reset to so

Note 3 - Tax gross up rate is calculated as [(1/(1-(21%+2.5%*(1-21%)))-1] where the federal tax rate is 21% and state tax rate is 2.5%.

Aqua North Carolina, Inc.
Docket No. W-218, Sub 526
Regulatory Asset - Johnston County Transmission Fee

Johnston County Transmission Fee Less: First year amortization included in rates (6 yr amortization) Proposed regulatory asset excluded from W-218, Sub 497 rate base,			<u>Debt</u>	<u>Equity</u>	\$ \$	<u>Total</u> 785,000 (130,833)
allocated 50/50 based on debt/equity ratio approved in Order		\$	327,084	\$ 327,084	\$	654,167
Authorized return rates in W-218, Sub 497			4.63%	9.70%		7.17%
Annual return deficit		\$	15,144	\$ 31,727	\$	46,871
Gross-up equity portion for taxes*	29.8%	·		\$ 9,464	\$	9,464
Annual revenue deficit		\$	15,144	\$ 41,191	\$	56,335
Reg Asset - Revenue deficit pro rated for 21.5 months**		\$	27,133	\$ 73,800	\$	100,933 (A)
Original amortization term in months (per Order)						72.0
Amortization term elapsed**						21.5
Remaining term in months						50.5 (B)
Monthly amortization of revenue deficit [(A)/(B)]					\$	1,999
Annual amortization of revenue deficit				:	\$	23,984
Revised annual amortizaton					\$	154,817

^{*} Tax gross up rate is calculated as [(1/(1-(21%+2.5%*(1-21%)))-1] where the federal tax rate is 21% and state tax rate is 2.5%.

^{** 21.5} months is the period from 12/18/18 (date of Sub 497 Order) and 10/1/20 (assumed effective date of new rates).