

THE STATE OF NEW HAMPSHIRE BEFORE THE
NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

Liberty Utilities (Granite State Electric) Corp.
d/b/a Liberty Utilities

Distribution Service Rate Case

Docket No. DE 19-064

Technical Statement of Philip E. Greene and David B. Simek

November 22, 2019

A. Purpose of Technical Statement

On April 30, 2019, Liberty Utilities (Granite State Electric) Corp. (“Liberty” or “the Company”) filed testimony and schedules requesting changes to the Company’s permanent rates. As stated in the testimony of Philip E. Greene and David B. Simek, the Company planned to update its revenue requirement schedules at the end of the discovery period to reflect any new or updated information that becomes available, and to include any changes that are identified during the discovery process. As a result of the discovery process and the ongoing PUC Staff audit, changes or modifications were identified that require revision to the Greene/Simek Direct Testimony and to Attachment PEG/DBS-1 (Revenue Requirement Schedules). This technical statement addresses those revisions and provides an updated version of Attachment PEG/DBS-1. The revised schedules are identified with “(CU)” in the schedule reference.

B. Impact of the Changes

The net impact of all of the changes is an annual increase of \$990,390 to the proposed change in permanent rates (from the \$5,683,102 annual increase proposed in the April 30, 2019, filing to a \$6,673,493 annual increase proposed here).

C. Description of Revisions to Attachment PEG/DBS-1

The changes to Attachment PEG/DBS-1 are listed on Attachment PEG/DBS-1 Summary (CU). This schedule shows the source of the change, the schedule on which the change is reflected, a brief description of the change, the amount of the adjustment with separate columns for amounts affecting (i) revenue and expenses and (ii) rate base, and the resulting change in the revenue requirement. A detailed description of each change is provided below:

1. Removal of Water Heater Assets from Test Year Plant in Service

This item is based on inquiry by PUC audit staff.

The Company previously provided rental of water heaters to some of its customers. In 2018 the Company received approval to sell its water heater rental program to a third party and terminate the program (see Docket No. DE 18-016). The finalization process continued into 2019, so the water heater assets remained on the books as of December 31, 2018. Thus, the water heater assets needed to be removed from the Company's balance sheet (FERC 372), along with removal of the related depreciation reserve balance.

Removal of the original cost of these assets of \$1,207,584, along with the associated balance in the depreciation reserve of (\$1,207,584) results in a net \$0 change in rate base. The change is shown on Schedule RR-2-1 (CU), page 1 of 5, lines 17 and 27.

The change resulted in a net \$0 impact to the Company's rate base and the revenue requirement.

2. Removal of Test Year Depreciation Expense Associated with Water Heater Assets

This item is based on inquiry by PUC audit staff.

This item reflects removal of depreciation expense associated with water heater assets referenced in Item 1 above. The historic test year includes depreciation expense related to water heater assets of \$120,758. The change to reflect removal of depreciation expense associated with the water heater assets is shown on Schedule RR-3-08 (CU), line 20.

The change decreased the revenue requirement by \$121,383.

3. Removal of Revenue and Expenses Associated with Water Heater Assets

This item is based on inquiry by PUC audit staff.

This item reflects removal of all revenue and expenses associated with water heater assets referenced in items 1 and 2 above. The historic test year includes revenue of \$11,712 and operating expenses of \$73,923. The change to reflect removal of the revenue and expenses associated with the water heater assets is shown on Schedule RR-3-16 (CU), lines 7 and 9.

The change decreased the revenue requirement by \$62,617.

4. Correction to Revenue Normalization Adjustment

This item was discussed with Staff during the May 30, 2019, tech session.

The original revenue requirement filing included an adjustment to normalize revenue of (\$602,425) as a decreasing adjustment. Subsequently it was discovered that a line item in the original calculation related to the REP/VMP revenue portion of this adjustment in the amount of \$16,315 was added back in

error, and that the correct total adjustment for revenue normalization is (\$618,740).

Schedule RR 3-14 (CU), line 4, shows the correct adjustment amount.

The change increased the revenue requirement by \$16,283.

5. Update to Payroll Tax Adjustment

This item is discussed in the response to Staff 3-20.

Schedule RR-3-02 calculates a pro forma adjustment for payroll tax based on the pro forma adjustment in Schedule RR 3-01. Data Request Staff-3-20 discusses a disconnection between the method of calculation in Schedule RR-3-02 and resulting calculated rate of 10.5%, and the combined actual payroll tax rate of 8.91% that would be assessed to the company related to payroll. In addressing this data request the Company discovered that its calculation in Schedule RR-3-02 only considered the O&M portion of payroll costs, and inadvertently excluded payroll attributable to capital additions. Revision of this pro forma calculation in Schedule RR-3-02 (CU) includes all payroll, resulting in a calculated combined payroll tax rate of 6.78%. The Company's response to Staff 3-20 notes the reasonableness of the calculated 6.78% due to wage limits on Social Security, Federal, and State Unemployment tax.

Schedule RR 3-02 (CU) includes the following adjustments:

- Line 2 has been updated to reflect the total payroll, attributable to both O&M and capital;
- Line 4 reflects the new calculated rate of 6.78%;
- Line 11 reflects the updated calculation of total pro forma payroll tax of \$576,186 (a reduction of \$312,973 compared to the original filing Attachment RR-3-02); and
- Line 13 reflects an updated known and measurable adjustment of (\$164,334) which is a decrease of \$312,973 from the original revenue requirement filing calculated payroll tax pro forma adjustment.

The change decreased the revenue requirement by \$314,592.

6. Update to Pension and OPEB Cost Forecast

This item is discussed in the response to OCA TS 1-9.

This item is based on indication in the original revenue requirement filing that the Company would update certain salary related benefits once forecasted data became available from the Actuary.

Subsequent to the original filing in this proceeding, the Company received updated actuarial reports reflecting an updated forecast of pension related benefit costs. The updated actuarial reports reflect a forecasted increase in

pension cost and OPEB costs of \$317,690 over that reflected in Attachment RR-3-03. The updated forecast amounts for 2019 pension and OPEB costs are reflected in Attachment RR-3-03 (CU), lines 2 and 3. Please note that forecast for all other benefits shown remain unchanged.

The change increased the revenue requirement by \$319,333.

7. Update Adjustment to Rental Expense for Use of the LU Concord Training Center

This item is discussed in the response to OCA TS 1-9.

Attachment RR-3-07 of the original revenue requirement filing reflects a calculation for lease expense related to the LU Concord Training Facility that is based on the lease rate in effect from May 1, 2018, through April 30, 2019, at a monthly rate of \$5,691.81. Subsequently the rate effective May 1, 2019, was calculated consistent with PUC Order No. 26,122 for a new monthly rate of \$6,644.11.

Attachment RR-3-07 (CU), lines 2 and 3, reflect an updated pro-rated annual calculation of \$75,920, which is an increase of \$7,618.

The change increased the revenue requirement by \$7,658.

8. Removal of Ratemaking Adjustment per DG 11-040

This item is discussed in the response to OCA TS 2-36.

Attachment RR-5-4 includes an adjustment to rate base (reduction) of (\$6,172,095) related to acquisition assets being amortized through April 2019. As this adjustment is to be fully amortized in 2019, the Company has determined that the effective reduction in rate base will not be included in the calculation of the revenue requirement.

Attachment RR-5-4 (CU), line 1, reflects removal of this adjustment, which results in an increase in rate base of \$763,279 (the remaining unamortized value as of December 31, 2018).

The change increased the revenue requirement by \$78,072.

9. Removal of Ratemaking Adjustment per DG 11-040

This item is also discussed in the response to OCA TS 2-36.

Attachment RR-3-08 includes an adjustment (a reduction) to depreciation expense of (\$1,234,419) related to the ratemaking adjustment referenced in item 8 above. The Company is removing that corresponding reduction to depreciation expense.

Attachment RR-3-08 (CU), line 40, reflects removal of this depreciation adjustment.

The change increased the revenue requirement by \$1,240,804.

10. Update to Pro Forma Adjustment for Property Tax Expense

This item is based on discovery of the Company.

Attachment RR-3-11 calculated an adjustment for estimated property tax expense based on tax bills received up until the original revenue requirement filing on April 30, 2019. The Company has updated this calculated adjustment based on subsequent tax bills received, bill dates and updated installment amounts on those bills are reflected on the right side of Attachment RR-3-11 (CU), for an updated pro forma adjustment amount of \$124,983. This represents a reduction of \$43,761 from what was filed in the original revenue requirement.

The change decreased the revenue requirement by \$43,987.

11. Removal of Lost Base Revenue Related to Energy Efficiency

This item is discussed in the response to Staff 3-30.

The amount of lost base revenue related to Energy Efficiency included in test year revenue is \$280,584. Since this amount is recovered through another mechanism, the Company is removing it in this Corrections & Updates filing of the revenue requirement.

Attachment RR-3-16 (CU), line 5, reflects removal of the amount of lost base revenue related to Energy Efficiency included in test year revenues.

The change increased the revenue requirement by \$280,029.

12. Removal of EEI dues attributable to the EEI Edison Foundation

This item is discussed in the response to Staff 5-8.

It has been determined a portion of dues paid to EEI, included in test year expenses, relate to the influence of legislation in the amount of \$515.84.

Attachment RR-3-16 (CU), line 3, reflects removal of this amount from the revenue requirement calculation.

The change decreased the revenue requirement by \$519.

13. Removal of Cost for Branding Advertisement

This item is discussed in the response to Staff 6-13.

Upon review the Company has determined that a branding advertisement with FMG Publishing Inc. falls under institutional advertising, and that the cost should be removed from test year expense. Cost for the advertisement was \$2,990.

Attachment RR-3-16 (CU), line 1, reflects removal of this amount from the revenue requirement calculation.

The change decreased the revenue requirement by \$3,005.

14. Correct Lead / Lag Days

This item is discussed in Staff TS 1-2.

Schedule RR 5-3, line 6, shows a calculated lead / lag of 25.53 days, or 6.99% of applicable expenses. This has been revised to a lead/lag of 24.4 days or 6.63%, as shown on Schedule RR 5-3 (CU), line 6.

This change reduced the rate base by \$129,157. The change also reduced the revenue requirement by \$13,448.

15. Update Book ADIT Balance

This item is discussed in the response to Staff 4-7.

Schedule RR-5-5, line 18, shows ADIT Per Books at 12/31/2018 (related to Post-Acquisition Additions) of (\$14,526,790). In preparation of response to Staff 4-7 it was determined that this amount should be adjusted for 2 reasons:

1. Schedule RR-5 did not take into account the state tax benefit for federal purposes. The impact of this correction is a reduction in ADIT of (\$163,805).
2. The Net Operating Losses (NOLs) included in the ADIT calculation should have been taken into account as they related primarily to bonus depreciation. The impact of this correction is a reduction in ADIT of (\$3,647,425).

Total impact for the two corrections above is a decrease in ADIT of (\$3,811,230). Revised ADIT Per Books with these corrections is (\$10,715,560).

Please note that the ADIT per books has been further revised, please see Item 16 below.

The change increased the revenue requirement by \$389,842.

16. Removal of Goodwill from ADIT

This item is discussed in the response to Staff 5-5.

Schedule RR-5-5 includes excess ADIT due to tax reform as a deferred tax liability (DTL) item in arriving at the ADIT per Books at 12/31/2018. Through discovery and discussion during the May 30, 2019, technical session it has been determined that the Company will separately reflect that portion of excess ADIT related to tax reform (to be returned to customers). Please note that this item is being stated separately from Item 15 above, although it is related in arriving at the final revised ADIT per Books amount shown on Schedule RR-5-5 (CU) of \$12,721,366. Although the excess ADIT was included in the total ADIT reduction in the original filing, adjustments made through the course of discovery inadvertently removed the excess ADIT amount from the rate base calculation. This change made separately from Item 15 above results in a decrease in rate base of \$5,640,070.

The change reduced the revenue requirement by \$576,910.

17. Removal of Goodwill from ADIT

This item is discussed in the response to Staff 6-14.

Schedule RR-5-5 includes Goodwill as a deferred tax asset (DTA) item in arriving at the ADIT per Books at 12/31/2018. Staff 6-14 refers to the Company's response to Staff 5-5, and information received during the May 30, 2019, technical session where it was determined that the Company would be excluding Goodwill as a DTA item in ADIT. This change results in a reduction to rate base of \$2,005,807. Combined with the correction referenced in Item 15 above, the updated ADIT per Books at 12/31/2018 of (\$12,721,366) is shown on Schedule RR-5-5 (CU).

The change reduced the revenue requirement by \$205,169.

18. Correction to Schedule of ADIT Adjustments per DE 16-383, Attachment 7

This item is based on discovery of the Company.

Schedule RR-5-6 represents scheduled annual ADIT adjustment amounts per DE 16-383, Attachment 7. An error was discovered in line 15, and has been updated in Schedule RR-5-5 (CU).

Portions of these items were also capitalized. Schedule RR 3-03 (CU) reflects the updated costs.

The change has no impact on the revenue requirement or rate base.

#	Source	Schedule(s) Changed	Description	Adjustment Amount - Revenue & Expenses	Adjustment Amount - Rate Base	Change in Revenue Increase	Revenue Increase
1	PUC Audit Inquiry	RR-2-1	Original Filing Removal of water heater assets	0	0	0	5,683,102 5,683,102
2	PUC Audit Inquiry	RR-3-08	Removal of depreciation expense associated with water heater assets	(121,383)	0	(121,383)	5,561,719
3	PUC Audit Inquiry	RR-3-16 *	Removal of operating revenue and expense associated with water heater assets	(62,617)	0	(62,617)	5,499,102
4	May 30 Tech (Staff)	RR-2-2	Correction to revenue normalization adjustment	16,283	0	16,283	5,515,385
5	Staff 3-20	RR-3-02	Update to payroll tax adjustment	(314,592)	0	(314,592)	5,200,794
6	OCA TS 1-9	RR-3-03	Update to pension expenses based on 2019 actuarial report	319,333	0	319,333	5,520,127
7	Staff 6-10	RR-3-07	Update pro forma rental expense related to the Concord Training Center based on updated rental calculation effective May 1, 2019.	7,658	0	7,658	5,527,785
8	OCA TS 2-36	RR-5-4	Removal of ratemaking adjustment per DG 11-040 related to acquisition assets	78,072	763,279	78,072	5,605,857
9	OCA TS 2-36	RR-3-08	Removal amortization adjustment related to ratemaking adjustment per DG 11-040 related to acquisition assets	1,240,804	0	1,240,804	6,846,660
10	Company	RR-3-11	Update pro forma adjustment for property tax expense based bills received in 2019	(43,987)	0	(43,987)	6,802,673
11	Staff 3-30	RR-3-16 *	Remove lost base revenue related to Energy Efficiency, originally included in Test Year revenues	280,029	0	280,029	7,082,702
12	Staff 5-8	RR-3-16 *	Removal of portion of EEI dues attributable to the EEI Edison Foundation	(519)	0	(519)	7,082,183
13	Staff 6-13	RR-3-16 *	Removal of cost for branding ad by FMG Publishing Inc.	(3,005)	0	(3,005)	7,079,178
14	Staff TS 1-2	RR-5-3	Updated for corrected lead-lag study (24.2 lag days)	(13,448)	(129,157)	(13,448)	7,065,730

#	Source	Schedule(s) Changed	Description	Adjustment Amount - Revenue & Expenses	Adjustment Amount - Rate Base	Change in Revenue Increase	Revenue Increase
15	Staff 4-7	RR-5-5	Correction to ADIT adjustment	389,842	3,811,230	389,842	7,455,572
16	Staff 5-5	RR-5	Correction to split Excess ADIT resulting from tax reform from Accumulated Deferred FIT balance	(576,910)	(5,640,070)	(576,910)	6,878,662
17	Staff 6-14	RR-5-5	Correction to exclude Goodwill as a deferred tax asset in the calculation of ADIT	(205,169)	(2,005,807)	(205,169)	7,250,402
18	Company	RR-5-6	Correction for error in schedule of ADIT adjustment amount per DE 16-683, Attachment 7; no impact to rate base or revenue & expenses	0	0	0	7,250,402
Net Change in Revenue Requirement						<u>990,390</u>	

* Schedule RR-3-16 added to include updates for Corrections & Updates filing

RR-1 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Computation of Revenue Deficiency and Revenue Requirement**
 RR

Schedule RR-1 (CU)

Line	Description	Reference	Amount
1	Rate Base	Schedule RR-5 (CU)	103,024,219
2			
3	Target Rate of Return on Rate Base	Schedule RR-6 (CU)	<u>8.19%</u>
4			
5	Operating income requirement	Line 1 X Line 3	8,437,684
6			
7	Operating income at present rates	Schedule RR-2 (CU)	<u>3,571,373</u>
8			
9	Operating income deficiency	Line 5 - Line 7	4,866,311
10			
11	Gross-up Factor for Income tax	Line 21	<u>1.37136588</u>
12			
13	Revenue deficiency	Line 9 X Line 11	<u><u>6,673,493</u></u>
14			
15	Increase in Income tax expense	Line 13 - Line 9	1,807,182
16			
17	<u>Gross-up factor for Income Taxes</u>		
18	Federal income tax rate		21.00%
19	New Hampshire state income tax rate		7.70%
20	Combined income tax rate	Line 18 + Line 19 - (Line 18 X Line 19)	27.08%
21	Total Gross-up Factor	1 / (1 - Line 20)	1.3714

RR-1-1 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Components of Revenue Deficiency**
 RR **Present Case Compared to Prior Case**

Schedule RR-1-1 (CU)

Tax Gross-up
1.3714

Line	Description	Present Case	DE 16-383	Difference	Revenue Requirement Effect
1	Intangible Plant	11,205,921	2,106,648	9,099,274	
2	Land and land rights	360 1,672,947	1,647,193	25,754	
3	Structures and improvements	361 1,965,160	1,951,256	13,904	
4	Station equipment	362 28,894,637	20,196,455	8,698,182	
5	Poles, towers and fixtures	364 40,575,975	34,318,797	6,257,179	
6	Overhead conductors, devices	365 58,746,906	46,108,011	12,638,895	
7	Underground conduit	366 6,674,970	5,987,416	687,554	
8	Underground conductors, device	367 14,932,982	11,449,006	3,483,977	
9	Line transformers	368 29,063,612	20,767,405	8,296,207	
10	Services	369 10,437,741	9,233,479	1,204,262	
11	Meters	370 3,507,367	4,666,193	(1,158,826)	
12	Leased Prop on Customers' Prem	372 1,167,465	1,163,798	3,666	
13	Street lighting, signal system	373 5,553,466	4,720,493	832,974	
14	In Service not classified	15,227,964	10,947,581	4,280,383	
15	General plant	18,297,542	15,794,566	2,502,975	
16	Included in Step in DE 13-063		0	0	
17	Plant in service	247,924,654	191,058,296	56,866,358	
18	Accumulated Depreciation	(93,623,954)	(65,988,100)	(27,635,854)	
19	ADIT	(33,721,366)	(33,025,841)	(695,526)	
20	Other rate base, net	(17,555,115)	5,451,686	(23,006,801)	
21	Rate base	103,024,219	97,496,042	5,528,177	
22	Return at DE 16-383 WACC	8.31%	8.31%		
23	Target return	8,561,313	8,101,921	459,392	629,994
24	Depreciation expense	11,027,090	5,766,507	5,260,583	7,214,184
25	Due to Capital spending- Rate base, Return, Depreciation			5,719,974	7,844,178
26					
27	Target rate of return on rate base	8.19%	8.31%	-0.12%	
28	Rate base			103,024,219	
29	Due to Rate of Return on Rate base			(123,629)	(169,541)
30					
31	Property tax expense	5,374,737	4,398,033	976,704	1,339,419
32	All other Distribution expenses	20,147,132	22,358,967	(2,211,835)	(3,033,235)
33	(Revenue) at present rates	(40,120,331)	(40,625,428)	505,097	692,672
34	Due to Revenue and Expenses			(730,034)	(1,001,144)
35	Total Revenue Deficiency			Sum lines 25, 29, 34	6,673,493
36					

Check

6,673,493

RR-2 **Liberty Utilities (Granite State Electric) Corp.**
Final **Operating Income Statement**
RR **Historic Year With Known and Measurable Changes**

Schedule RR-2 (CU)

Line	Account	Source		RR-2-1		RR-1		From FERC Form 1		
		Historic Year Ended Dec. 31, 2018	Flow-Through Items	Distribution Operating Income	Known and Measurable Adjustments	Pro Forma Test Year With Known and Measurable	Proposed Increase	Distribution Operating Income With Proposed Increase	Calendar Year 2017	Calendar Year 2016
1	Operating Revenue									
2	Distribution	62,464,872	(22,199,619)	40,265,253	(618,740)	39,646,512	6,673,493	46,320,005	61,848,017	51,970,200
3	Commodity	38,380,547	(38,380,547)	0	0	0	0	0	33,021,704	35,610,779
4	Other operating revenue	958,663	0	958,663	(484,844)	473,819		473,819	695,033	1,355,009
5		101,804,082	(60,580,166)	41,223,915	(1,103,584)	40,120,331	6,673,493	46,793,824	95,564,754	88,935,987
6										
7	Operating Expenses									
8	Purchased Power	38,378,791	(38,378,791)	0	0	0	0	0	31,482,221	31,227,569
9	Transmission Expenses	22,078,896	(22,078,896)	0	0	0	0	0	22,156,273	20,611,511
10	Distribution O&M	8,572,078	0	8,572,078	1,246,335	9,818,413		9,818,413	6,907,544	7,469,030
11	Customer Accounting	2,031,510	0	2,031,510	144,002	2,175,511		2,175,511	2,189,237	2,368,195
12	Customer Service & Info.	169,404	0	169,404	13,447	182,850		182,850	203,331	252,154
13	Administrative & General	7,064,028	0	7,064,028	876,667	7,940,695		7,940,695	6,695,493	7,885,948
14	Depreciation Expense	8,684,070	0	8,684,070	2,343,020	11,027,090		11,027,090	8,327,897	7,329,388
15	General Taxes	5,414,088	0	5,414,088	(39,351)	5,374,737		5,374,737	6,062,458	4,348,451
16	Income Taxes	2,797,514	0	2,797,514	(2,767,852)	29,662	1,807,182	1,836,844	5,955,725	2,152,815
17	Interest on Cust. Dep.	0	0	0	0	0		0		
18	Total Expenses	95,190,378	(60,457,687)	34,732,691	1,816,268	36,548,959	1,807,182	38,356,141	89,980,179	83,645,061
19										
20	Net operating income (loss)	6,613,704	(122,479)	6,491,225	(2,919,852)	3,571,373	4,866,311	8,437,684	5,584,575	5,290,926
21										
22	Rate Base			103,024,219		103,024,219		103,024,219		
23										
24	Rate of Return on Rate Base			6.30%		3.47%		8.19%		

RR-2-1 **Liberty Utilities (Granite State Electric) Corp.**
Final **Rate Base and Operating Income Statement- Detail**
RR **Historic Year Ended Dec. 31, 2018**
Historic Year With Known and Measurable Changes
Schedule RR-2-1 (CU)

Line	Account	Source Acct. No.	RR-2-2		RR-3	At Current Rates
			Historic Year Ended Dec. 31, 2018	Flow- Through Items	Distribution Operating Income	Known and Measurable Adjustments
1	Intangible Assets					
2	Organization		24,808		24,808	24,808
3	Other Intangible assets		10,987,554		10,987,554 (A)	11,181,113
4	Total Intangible Plant		11,012,362	0	11,012,362	11,205,921
5						
6	Distribution Plant					
7	Land and land rights	360	1,672,947		1,672,947 (A)	1,672,947
8	Structures and improvements	361	1,965,160		1,965,160 (A)	1,965,160
9	Station equipment	362	28,894,637		28,894,637 (A)	30,756,049
10	Poles, towers and fixtures	364	40,575,975		40,575,975 (A)	41,667,046
11	Overhead conductors, devices	365	58,746,906		58,746,906 (A)	65,174,236
12	Underground conduit	366	6,674,970		6,674,970 (A)	6,948,378
13	Underground conductors, device	367	14,932,982		14,932,982 (A)	17,274,059
14	Line transformers	368	29,063,612		29,063,612 (A)	29,638,555
15	Services	369	10,437,741		10,437,741 (A)	11,634,212
16	Meters	370	3,507,367		3,507,367 (A)	3,688,487
17	Leased Prop on Customers' Prem	372	1,167,465		1,167,465 (A)	(0)
18	Street lighting, signal system	373	5,553,466		5,553,466 (A)	5,626,782
19	Total Distribution Plant		203,193,227	0	203,193,227	216,045,911
20						
21	General / Common Plant					
22	General plant		18,297,542		18,297,542 (A)	19,271,678
23	Total General / Common Plant		18,297,542	0	18,297,542	19,271,678
24	Total Plant in Service		232,503,131	0	232,503,131	246,523,511
25	(A) Distribution of In service not classified					
26	Accumulated Depreciation & Amortization					
27	Accumulated Depr & Amort	108	93,623,954		93,623,954	92,416,370
28	Total Accum. Depr. & Amort.		93,623,954	0	93,623,954	92,416,370
29						

RR-2-1 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base and Operating Income Statement- Detail**
 RR **Historic Year Ended Dec. 31, 2018**
Historic Year With Known and Measurable Changes
 Schedule RR-2-1 (CU)

Line	Account	Source Acct. No.	RR-2-2		RR-3	At Current Rates
			Historic Year Ended Dec. 31, 2018	Flow- Through Items	Distribution Operating Income	Known and Measurable Adjustments
30	Other Rate Base Items					
31	Materials and Supplies	154	1,877,163			1,877,163
32	Plant in service, Not classified	106	15,227,964		(15,227,964)	0
33	Accumulated Deferred FIT	ADIT	(14,944,899)			(14,944,899)
34	Customer deposits	CustDep	(1,278,349)			(1,278,349)
35	<i>Total Other Rate Base Items</i>		881,878	0	(15,227,964)	(14,346,085)
36	Total Rate Base		139,761,056	0	0	139,761,056
37						
38						
39	Purchased Power	555	38,378,791	(38,378,791)	0	0
40						
41	Transmission- Open Access		592,856	(592,856)	0	0
42	Elec Rev Wheeling		21,757,093	(21,757,093)	0	0
43	Maint of Overhead lines-Labor		(271,053)	271,053	0	0
44	Transmission Expenses-O&M		22,078,896	(22,078,896)	0	0
45						
46	Distribution O&M					
47	Transmisison Other	570	4,926		639	5,565
48	Supervision & Eng	580	1,499,505	1,499,505	183,298	1,682,803
49	Load Dispatching	581	558,385	558,385	53,321	611,706
50	Substations	582	129,660	129,660	10,728	140,388
51	Overhead Lines	583	712,491	712,491	52,192	764,683
52	Underground Lines	584	87,249	87,249	7,881	95,130
53	Outdoor Lighting	585	88,997	88,997	6,540	95,537
54	Electric Meters	586	234,938	234,938	22,508	257,446
55	Customer Installation	587	149,677	149,677	(65,899)	83,778
56	Misc Expenses	588	1,249,771	1,249,771	38,950	1,288,720
57	Supervision & Eng	590	24,326	24,326	3,155	27,481
58	Structures	591	72,857	72,857	8,045	80,902
59	Substations	592	156,145	156,145	5,302	161,447
60	Overhead Lines	593	3,081,104	3,081,104	896,916	3,978,019
61	Underground Lines	594	71,684	71,684	1,564	73,248
62	Line Transformers	595	49,039	49,039	3,029	52,067

RR-2-1 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base and Operating Income Statement- Detail**
 RR **Historic Year Ended Dec. 31, 2018**
Historic Year With Known and Measurable Changes
 Schedule RR-2-1 (CU)

Line	Account	Source Acct. No.	RR-2-2		RR-3	At Current Rates	
			Historic Year Ended Dec. 31, 2018	Flow- Through Items	Distribution Operating Income	Known and Measurable Adjustments	Pro Forma Test Year With Known and Measurable
63	Outdoor Lighting	596	145,926		145,926	11,913	157,838
64	Maint of meters	597	69,893		69,893	2,289	72,181
65	Main Misc Distr Plant	598	185,504		185,504	3,966	189,471
66	<i>Total Distribution O&M</i>		<u>8,572,078</u>	0	<u>8,572,078</u>	<u>1,246,335</u>	<u>9,818,413</u>
67							
68	Customer Accounting						
69	Supervision	901	181,262		181,262	23,509	204,771
70	Meter Reading	902	378,155		378,155	28,357	406,512
71	Customer Records & Collection	903	1,373,203		1,373,203	92,136	1,465,339
72	Uncollectible Accounts	904	244,477		244,477	0	244,477
73	Uncollectible Accounts- Commodity	904	(175,815)		(175,815)	0	(175,815)
74	Misc Expenses	905	30,228		30,228	0	30,228
75	<i>Total Customer Accounting</i>		<u>2,031,510</u>	0	<u>2,031,510</u>	<u>144,002</u>	<u>2,175,511</u>
76							
77	Customer Service & Information						
78	Cust Service-Supervision	907	426		426	55	481
79	Cust Assistance Expenses	908	32,314		32,314	6	32,320
80	Cust Service-Misc Expenses	910	136,663		136,663	13,385	150,049
81	<i>Total Customer Service & Info.</i>		<u>169,404</u>	0	<u>169,404</u>	<u>13,447</u>	<u>182,850</u>
82	<i>Total Customer Accounts</i>		<u>2,200,913</u>	0	<u>2,200,913</u>	<u>157,448</u>	<u>2,358,362</u>
83							
84	Administrative & General						
85	A&G-Salaries	920	2,053,610		2,053,610	253,566	2,307,176
86	A&G-Office Supplies	921	634,851		634,851	(516)	634,335
87	A&G-Transferred	922	(5,568,517)		(5,568,517)	0	(5,568,517)
88	A&G-Outside Services	923	869,617		869,617	0	869,617
89	Property Insurance	924	1,505,054		1,505,054	(10,689)	1,494,365
90	Injuries & Damages Insurance	925	750,028		750,028	22,647	772,675
91	Employee Pensions & Benefits	926	4,240,545		4,240,545	612,004	4,852,549
92	Regulatory Comm Expenses	928	453,765		453,765	0	453,765
93	A&G-Misc Expenses	930	7,142		7,142	0	7,142

RR-2-1 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base and Operating Income Statement- Detail**
 RR **Historic Year Ended Dec. 31, 2018**
Historic Year With Known and Measurable Changes
 Schedule RR-2-1 (CU)

Line	Account	Source Acct. No.	RR-2-2		RR-3	At Current Rates	
			Historic Year Ended Dec. 31, 2018	Flow- Through Items	Distribution Operating Income	Known and Measurable Adjustments	Pro Forma Test Year With Known and Measurable
94	Rent	931	18,385		18,385	(345)	18,040
95	LU Costs	920LU	2,099,548		2,099,548	0	2,099,548
96	A&G Maint-General Plant-Elec	932	0		0	0	0
97	<i>Total Administrative & General</i>		7,064,028	0	7,064,028	876,667	7,940,695
98	<i>Total O&M Expense</i>		78,294,707	(60,457,687)	17,837,019	2,280,451	20,117,470
99			78,294,707				
100	Depreciation Expense						
101	Intangible assets	405	2,156,872		2,156,872	0	2,156,872
102	Distribution plant	403	6,167,294		6,167,294	2,343,020	8,510,314
103	Amortization expense- Regulatory	407	359,904		359,904	0	359,904
104	<i>Total Depreciation Expense</i>		8,684,070	0	8,684,070	2,343,020	11,027,090
105							
106	General Taxes						
107	Municipal tax	2.23%	4,673,568		4,673,568	124,983	4,798,551
108	Payroll tax		740,520		740,520	(164,334)	576,186
109	Other tax		0		0	0	0
110	<i>Total General taxes</i>		5,414,088	0	5,414,088	(39,351)	5,374,737
111							
112	Income Taxes						
113	FIT Expense		2,544,566		2,544,566	(2,579,067)	(34,501)
114	SIT Expense		252,948		252,948	(188,785)	64,163
115	<i>Total Income Tax</i>		2,797,514	0	2,797,514	(2,767,852)	29,662
116							
117	Interest on Customer Deposits		0		0	0	0
118							
119	Total Expenses		95,190,378	(60,457,687)	34,732,691	1,816,268	36,548,959
120							

RR-2-1 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base and Operating Income Statement- Detail**
 RR **Historic Year Ended Dec. 31, 2018**
Historic Year With Known and Measurable Changes
 Schedule RR-2-1 (CU)

Line	Account	Source Acct. No.	<u>RR-2-2</u>			<u>RR-3</u>	<u>At Current Rates</u>
			Historic Year Ended Dec. 31, 2018	Flow- Through Items	Distribution Operating Income	Known and Measurable Adjustments	Pro Forma Test Year With Known and Measurable
121	Operating Revenue						
122	Residential, Commercial, Lighting	440	62,827,628	(22,562,375)	40,265,253	(618,740)	39,646,512
123	Commodity revenue	Comm	38,380,547	(38,380,547)	0	0	0
124	Prov. For Refunds	449	(362,756)	362,756	0	0	0
125	Forfeited discounts		0		0	0	0
126	Misc. service revenue	451	633,217		633,217	(473,132)	160,085
127	Rent from Electric property	454	303,082		303,082	0	303,082
128	Other revenue	456	(143,536)		(143,536)	(11,712)	(155,247)
129	Sales for resale	447	165,899		165,899	0	165,899
130	Total revenue		101,804,082	(60,580,166)	41,223,915	(1,103,584)	40,120,331
131							
132	Net operating income (loss)		6,613,704	(122,479)	6,491,225	(2,919,852)	3,571,373
133							

Note: Differences between Revenue and Expense for flow-through items are timing differences.
 The differences are normalized out so that Revenue and Expense for flow-through items offset completely.

RR-2-2 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Flow Through Items**
 RR **Historic Year Ended Dec. 31, 2018**

Schedule RR-2-2 (CU)		Expenses Debit (Credit)	Expenses Debit (Credit)	Revenue Debit (Credit)	Revenue Debit (Credit)	Revenue Debit (Credit)	Debit (Credit)	Revenue
Line	Description	Purchased Power Costs	Transmission Related Costs	Distribution Revenue	Energy Revenue	Provision for Refunds	Net Income	Total
1	Balance in TB	38,378,791	22,078,896	(62,827,628)	(38,380,547)	362,756		100,845,419
2								
3	<u>Reclass Provision for Refunds:</u>							
4	Commodity o/u	189,916				(189,916)	0	189,916
5	Commodity unbilled	(2,326,985)				2,326,985	0	(2,326,985)
6	Prior year reversal	2,061,386				(2,061,386)	0	2,061,386
7	REC revenue	(45,040)				45,040	0	(45,040)
			22,562,375			(22,562,375)		22,562,375
8	Transmission o/u - Cost - Scheduling		(592,856)			592,856	0	(592,856)
9	Transmission o/u - Trans Cost		(21,757,093)			21,757,093	0	(21,757,093)
10	Transmission o/u - CTS Stranded Costs Offset		271,053			(271,053)	0	271,053
11							0	0
12	Eliminate Commodity-related	(38,258,068)			38,380,547		(122,479)	(38,380,547)
13	Eliminate Transmission-related		(22,562,375)	22,562,375			0	(22,562,375)
14	Total adjustments	(38,378,791)	(22,078,896)	22,562,375	38,380,547	(362,756)	(122,479)	(60,580,166)
15	<i>Posted to RR-2-1</i>	<i>Line 39</i>	<i>Line 42</i>	<i>Line 122</i>	<i>Line 123</i>	<i>Line 124</i>		
16	Adjusted balance	0	0	(40,265,253)	0	(0)	(122,479)	40,265,253
17	Adjustment to Normalize Revenue							(618,740)
18	Distribution revenue in Revenue requirement							39,646,512

RR-3 Utilities (Granite State Electric) Corp.		Adjustment 01	Adjustment 02	Adjustment 03	Adjustment 04	Adjustment 05	Adjustment 06	Adjustment 07	Adjustment 08	Adjustment 10	Adjustment 11	Adjustment 12	Adjustment 13	Adjustment 14	Adjustment 15	Adjustment 16
Final Summary of Adjustments																
RR To Historic Year Ended Dec. 31, 2018	3,118,472	947,257	(164,334)	612,004	(10,689)	(196,018)	769,188	(345)	1,561,586	799,252	168,744	22,647	192,548	618,740	(2,571,834)	369,725
Schedule RR-3 (CU)																

Line	Account	Acct. No.	Total	Payroll Expense	Payroll Taxes	Pension and Benefits Expense	Property and Liability Insurance	Adjustments due to Tax Reform	Other Known and Measurable Changes	Intercompany Rent Expense	Depreciation Annualization and Rates	Vegetation Management	Property Taxes	Injuries & Damages	Other Revenue	Adjustments to Normalize Distribution Revenue	Income Tax Expense- Test Year Actual	Other Adjustments (Corrections & Updates)
1	Purchased Power	555	0	0														
2																		
3	Transmission- Open Access		0	0														
4	Elec Rev Wheeling-Elim		0	0														
5	Trans Maint-Substation-Trouble-Labor		0	0														
6	Maint of Overhead lines-Labor		0	0														
7	Transmission Expenses-O&M		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8																		
9	Distribution O&M																	
10	Transmission Other	570	639	639														
11	Supervision & Eng	580	183,298	183,298														
12	Load Dispatching	581	53,321	53,321														
13	Substations	582	10,728	10,728														
14	Overhead Lines	583	52,192	52,192														
15	Underground Lines	584	7,881	7,881														
16	Outdoor Lighting	585	6,540	6,540														
17	Electric Meters	586	22,508	22,508														
18	Customer Installation	587	(65,899)	8,024														(73,923)
19	Misc Expenses	588	38,950	38,950														
20	Supervision & Eng	590	3,155	3,155														
21	Structures	591	8,045	8,045														
22	Substations	592	5,302	5,302														
23	Overhead Lines	593	896,916	109,805					(12,142)			799,252						
24	Underground Lines	594	1,564	1,669					(104)									
25	Line Transformers	595	3,029	3,029														
26	Outdoor Lighting	596	11,913	11,913														
27	Maint of meters	597	2,289	2,289														
28	Main Misc Distr Plant	598	3,966	3,966														
29			1,246,335	533,253	0	0	0	0	(12,246)	0	0	799,252	0	0	0	0	0	(73,923)
30																		

RR-3 Utilities (Granite State Electric) Corp.		Adjustment 01	Adjustment 02	Adjustment 03	Adjustment 04	Adjustment 05	Adjustment 06	Adjustment 07	Adjustment 08	Adjustment 10	Adjustment 11	Adjustment 12	Adjustment 13	Adjustment 14	Adjustment 15	Adjustment 16
Final Summary of Adjustments																
RR To Historic Year Ended Dec. 31, 2018	3,118,472	947,257	(164,334)	612,004	(10,689)	(196,018)	769,188	(345)	1,561,586	799,252	168,744	22,647	192,548	618,740	(2,571,834)	369,725
Schedule RR-3 (CU)																

Line	Account	Acct. No.	Total	Payroll Expense	Payroll Taxes	Pension and Benefits Expense	Property and Liability Insurance	Adjustments due to Tax Reform	Other Known and Measurable Changes	Intercompany Rent Expense	Depreciation Annualization and Rates	Vegetation Management	Property Taxes	Injuries & Damages	Other Revenue	Adjustments to Normalize Distribution Revenue	Income Tax Expense- Test Year Actual	Other Adjustments (Corrections & Updates)
31	Customer Accounting																	
32	Supervision	901	23,509	23,509														
33	Meter Reading	902	28,357	28,357														
34	Customer Records & Collection	903	92,136	92,136														
35	Uncollectible Accounts	904	0	0														
36	Uncollectible Accounts- Commodity	904	0	0														
37	Misc Expenses	905	0	0														
38	<i>Total Customer Accounting</i>		<u>144,002</u>	<u>144,002</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
39																		
40	Customer Service & Informati																	
41	Cust Service-Supervision	907	55	55														
42	Cust Assistance Expenses	908	6	6														
43	Cust Service-Misc Expenses	910	13,385	16,375														(2,990)
44	<i>Total Customer Service & Info.</i>		<u>13,447</u>	<u>16,437</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>(2,990)</u>
45	<i>Total Customer Accounts</i>		<u>157,448</u>	<u>160,438</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>(2,990)</u>
46																		
47	Administrative & General																	
48	A&G-Salaries	920	253,566	253,566								0						
49	A&G-Office Supplies	921	(516)	0														(516)
50	A&G-Transferred	922	0	0								0						
51	A&G-Outside Services	923	0	0								0						
52	Property Insurance	924	(10,689)	0			(10,689)											
53	Injuries & Damages Insurance	925	22,647	0										22,647				
54	Employee Pensions & Benefits	926	612,004	0		612,004												
55	Regulatory Comm Expenses	928	0	0														
56	A&G-Misc Expenses	930	0	0														
57	Rent	931	(345)	0					(345)									
58	LU Costs	920LU	0	0														
59	A&G Maint-General Plant-Elec	932	0	0								0						
60	<i>Total Administrative & General</i>		<u>876,667</u>	<u>253,566</u>	<u>0</u>	<u>612,004</u>	<u>(10,689)</u>	<u>0</u>	<u>0</u>	<u>(345)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>22,647</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>(516)</u>
61	<i>Total O&M Expense</i>		<u>2,280,451</u>	<u>947,257</u>	<u>0</u>	<u>612,004</u>	<u>(10,689)</u>	<u>0</u>	<u>(12,246)</u>	<u>(345)</u>	<u>0</u>	<u>799,252</u>	<u>0</u>	<u>22,647</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>(77,429)</u>
62																		

RR-3 Utilities (Granite State Electric) Corp.		Adjustment 01	Adjustment 02	Adjustment 03	Adjustment 04	Adjustment 05	Adjustment 06	Adjustment 07	Adjustment 08	Adjustment 10	Adjustment 11	Adjustment 12	Adjustment 13	Adjustment 14	Adjustment 15	Adjustment 16		
Final Summary of Adjustments																		
RR To Historic Year Ended Dec. 31, 2018		3,118,472	947,257	(164,334)	612,004	(10,689)	(196,018)	769,188	(345)	1,561,586	799,252	168,744	22,647	192,548	618,740	(2,571,834)	369,725	
Schedule RR-3 (CU)																		
Line	Account	Acct. No.	Total	Payroll Expense	Payroll Taxes	Pension and Benefits Expense	Property and Liability Insurance	Adjustments due to Tax Reform	Other Known and Measurable Changes	Intercompany Rent Expense	Depreciation Annualization and Rates	Vegetation Management	Property Taxes	Injuries & Damages	Other Revenue	Adjustments to Normalize Distribution Revenue	Income Tax Expense- Test Year Actual	Other Adjustments (Corrections & Updates)
63	Depreciation Expense																	
64	Intangible assets	405	0															
65	Distribution plant	403	2,343,020						781,434		1,561,586							
66	Amortization expense- Regulatory	407	0															
67	Total Depreciation Expense		2,343,020	0	0	0	0	0	781,434	0	1,561,586	0	0	0	0	0	0	0
68																		
69	General Taxes																	
70	Municipal tax		124,983										124,983					
71	Payroll tax		(164,334)		(164,334)													
72	Other tax		0															
73	Total General taxes		(39,351)	0	(164,334)	0	0	0	0	0	0	0	124,983	0	0	0	0	0
74																		
75	Income Taxes																	
76	FIT Expense		(2,579,067)					(196,018)									(2,383,050)	
77	SIT Expense		(188,785)														(188,785)	
78	Total Income Tax		(2,767,852)	0	0	0	0	(196,018)	0	0	0	0	0	0	0	0	(2,571,834)	0
79																		
80	Interest on Customer Deposits		0															
81																		
82	Total Expenses		1,816,268	947,257	(164,334)	612,004	(10,689)	(196,018)	769,188	(345)	1,561,586	799,252	124,983	22,647	0	0	(2,571,834)	(77,429)
83																		
84	Operating Revenue																	
85	Residential, Commercial, Lighting	440	(618,740)													(618,740)		
86	Commodity revenue	Comm	0															
87	Prov. For Refunds	449	0															
88	Forfeited discounts		0												0			
89	Misc. service revenue	451	(473,132)												(192,548)		(280,584)	
90	Rent from Electric property	454	0												0			
91	Other revenue	456	(11,712)												0		(11,712)	
92	Sales for resale	447	0												0			
93	Total revenue		(1,103,584)	0	0	0	0	0	0	0	0	0	0	0	(192,548)	(618,740)	0	(292,296)
94																		
95	Net operating income (loss)		(2,919,852)	(947,257)	164,334	(612,004)	10,689	196,018	(769,188)	345	(1,561,586)	(799,252)	(124,983)	(22,647)	(192,548)	(618,740)	2,571,834	(369,725)

RR-3-01 **Liberty Utilities (Granite State Electric) Corp.**Final **Adjustments to Test Year**AD **Adjustment 01****Payroll Expense**

Schedule RR-3-01 (CU)

Line	Description	Total
1	Test Year LU NH Labor Charged to Granite State Electric - O&M	7,081,853
2	2019 Salary & Wage Increase - O&M ⁽¹⁾	3%
3	2019 Payroll Increase	212,456
4	Adjustment for pro rated increase (effective March)	(35,409)
5		
6	Test year LU Regional Allocated Labor (not included in test year labor)	474,230
7	2019 Salary & Wage Increase - O&M ⁽¹⁾	3%
8	2019 Payroll Increase on Regional Allocated Labor	14,227
9	Adjustment for pro rated increase (effective March)	(2,371)
10		
11	Adjustment for 2018 Vacancies and/or 2019 (incremental) Additions ⁽¹⁾	758,355
12		
13	Pro Forma LU NH Labor for 2019 Payroll Increase	8,029,110
14		
15	Test Year Labor Charged to Granite State Electric - O&M	7,081,853
16		
17	Increase Due to Known and Measurable - O&M Payroll	947,257

RR-3-02 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 02**

Payroll Taxes

Schedule RR-3-02 (CU)

Line	Description	Ref.	Amount
1	Actual 2018		
2	Total Payroll (including capitalized payroll)	RR-3-01 Ln 15	10,928,574
3	Payroll Tax Expense	RR-2-1 Ln 108	740,520
4	% of Applicable Salary	Line 3 / Line 2	6.78%
5			
6	Pro Forma		
7	2019 Salary & Wage Increase(1)	RR-3-01 Ln 2	1,421,487
8			1,421,487
9			
10	Pro Forma Salary & Wages - O&M		8,503,340 RR-3-01 Ln 6 & Ln 113
11	Payroll Taxes to O&M	Line 4 X Line 10	576,186
12	Test Year Expense- Account 408.4	Line 3	740,520
13	Decrease Due to Known and Measurable	To RR-3	(164,334)

Note:

This adjustment aligns Payroll taxes with the Labor costs reflected on RR-3-01

RR-3-03 Liberty Utilities (Granite State Electric) Corp.

Final Adjustments to Test Year
 AD Adjustment 03
 Pension and Benefits Expense
 Schedule RR-3-03 (CU)

Line	Description	Ref.	Amount
1			
2	2019 Budgeted Pension to GS	Rate year	1,620,573
3	2019 Budgeted OPEB to GS	Rate year	785,236
4	2019 Budgetd 401K to GS (employer cost)	Rate year	424,251
5	2019 Budgetd ESPP Expense to GS (employer cost)	Rate year	10,200
6	2019 Budgetd Opt-out Expense to GS(employer cost)	Rate year	13,200
7	<i>Salary-related Benefits</i> ⁽¹⁾	Rate year total	2,853,460
8			
9	Salary-related Benefits Test Year	Test year	2,431,507
10	Pro Forma Increase - Salary-related Benefits	Difference	421,953
11			
12	<i>2019 Budgeted Group Benefits (including medical)</i>	Rate year	1,999,089
13			
14	Group Benefits Test Year	Test year	1,809,038
15	Pro Forma Increase - Salary-related Benefits	Difference	190,051
16			
17	Rate Year Expense - Account 926	Total of rate year amounts	4,852,549
18	Test Year Expense - Account 926	Total of test year amounts	4,240,545
19	Increase Due to Known and Measurable	Calculated adjustment	612,004 To RR-3

(1) Rate year projected amounts under *Salary-related Benefits* based on the 2019 budgeted amounts in these expense categories; to be updated once forecasted data available from actuary.

RR-3-04 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 04**

Property and Liability Insurance

Schedule RR-3-04 (CU)

Capitalization Rate Applied to US LABS Services for 2019

32.08%

Line	Carrier	Policy # (Insurer)	Invoice Amount	Period Covered	GS Annual Premium	Capitalized	To Operations
1	Commercial General Liability (\$5M / \$15M limit)	Zurich	GLO 3792974-09	1,768,988	7/1/18-7/1/19	102,077	102,077
2	1st Excess (\$35M XS of \$5M)	AEGIS	XL5115706P	1,807,920	7/1/18-7/1/19	104,569	104,569
3	2nd Excess (\$25M XS of \$40M)	EIM	253966-18GL	533,224	7/1/18-7/1/19	30,648	30,648
4	3rd Excess (\$25M XS of \$65M)	AIG	CE 2424 0937	303,742	7/1/18-7/1/19	17,482	17,482
5	4th Excess (\$10M XS of \$90M)	Northbridge	CBC1949657	107,655	7/1/18-7/1/19	6,196	6,196
6	5th Excess (\$25M XS of \$100M)	Ironhorse	C444670518	165,387	7/1/18-7/1/19	9,519	9,519
7	6th Excess (\$25M XS of \$125M)	Liberty Mututal	1000099093-05	145,716	7/1/18-7/1/19	8,387	8,387
8	7th Excess (\$25M XS of \$150M)	OIL Casualty	U920742-0718	124,000	7/1/18-7/1/19	7,172	7,172
9	8th Excess (\$25M XS of \$175M)	AIG	CE 2424 0938	107,656	7/1/18-7/1/19	6,196	6,196
10	9th Excess (\$24M XS of \$200M)	Stewart 60%/Aviva 40%	CEX00086/ELP8 1828443	100,493	7/1/18-7/1/19	5,784	5,784
10	Fiduciary Liability	Chubb	8251-5554	16,200	6/1/18-4/1/19	868	278 589
11	1st Excess (\$10 XS of \$10M)	Royal & SunAllinace	9502329	9,355	6/1/18-4/1/19	501	501
12	2nd Excess (\$10M XS of \$20M)	Berkshire Hathaway	43-EPC-150875-02	6,748	6/1/18-4/1/19	361	361
13	Employment Practices	AIG	1508844	58,476	6/1/18-4/1/19	3,132	1,005 2,127
14	Crime	Liberty Mututal	CMTO300749015	27,529	6/1/18-6/1/19	1,474	1,474
15	Auto	Liberty Mututal	.S5-691-544580-05	680,762	7/1/18-7/1/19	21,722	6,969 14,754
16	Worker Comp	Liberty Mututal	/C5-691-544580-0	1,751,862	7/1/18-7/1/19	214,651	68,860 145,791
17	Property	FM Global 70%/	1031118	3,362,784	12/1/18-12/1/19	115,635	115,635
18	Cyber	Beazley	FSCEO1800638	121,781	4/1/18-4/1/19	6,933	6,933
19	1st Excess (\$10 XS of \$10M)	Brit	FSCEO1800638	69,415	4/1/18-4/1/19	3,952	3,952
20	Aon Brokerage Fee			535,694		30,283	30,283
21				<u>11,805,387</u>		<u>697,543</u>	<u>77,112</u> 620,431
22							
23	Storm Costs accrual charged to account 924						1,500,000
24							
25	Insurance costs, with Known and Measurable						2,120,431
26	Insurance cost, Historic Account 924 & 925						<u>2,131,120</u>
27	Adjustment to Account 924					To RR-3	<u>(10,689)</u>

RR-3-05 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 05**

Adjustments due to Tax Reform

Schedule RR-3-05 (CU)

Line	Account	Description	Account	Amount
1				
2	Adjust for Amortization of Excess ADIT due to Tax Reform ⁽¹⁾	Adjustment to reduce Federal Income Tax Expense	409	(196,018)
3				
4	Other Known and Measurable Changes			<u>(196,018)</u>

(1) Annual amortization of excess ADIT as a result of tax reform; amortized over calculated weighted average remaining life of 20.87 years

RR-3-06 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 06**

Other Known and Measurable Changes

Schedule RR-3-06 (CU)

Line	Account	Description	Account	Amount
1				
2	Maint of Overhead Lines	Remove adjustments to 2017 recorded 2018	593	8,914
3	Maint of Overhead Lines-Veg Mgmt-Labor	Remove adjustments to 2017 recorded 2018	593	2,564
4	Maint of Overhead Lines Labor	Remove adjustments to 2017 recorded 2018	593	(23,621)
5				
6	Misc Distribution expenses	Remove Out-of-period costs	594	(104)
7				
8	Depreciation Expense	Amortization ending 4/14/2019	403	781,434
9				
10	Other Known and Measurable Changes			<u>769,188</u>

RR-3-07 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**
 AD **Adjustment 07**
Intercompany Rent Expense
 Schedule RR-3-07 (CU)

Line	Description	Monthly Rate	Amount
1	Rent Expense for Londonderry Office Facility at 2019 Adjusted Rates ⁽¹⁾	4,689.00	56,268
2	Rent Expense for Concord Training Facility at 2018 Adjusted Rates (4 months) ⁽²⁾	5,691.81	22,767
3	Rent Expense for Concord Training Facility at 2019 Adjusted Rates (8 months) ⁽³⁾	6,644.11	53,153
4			
5	Rent-Intercompany, with Known and Measurable		132,188
6	Rent-Intercompany, Historic Account 69-6125-9310		132,533
7			
8	Adjustment to Rent-Intercompany		(345)

(1) Londonderry office lease rate charged to Granite State effective January 1, 2019

(2) Concord Training Center lease rate charged to Granite State effective May 1, 2018 (rates in effect through April 30, 2019)

RR-3-08 Liberty Utilities (Granite State Electric) Corp.
 Final Adjustments to Test Year
 AD Adjustment 08
 Depreciation Annualization and Rates
 Schedule RR-3-08 (CU)

Line	Account	Acct. No.	Depreciation Rates	Balance Historic Year Ended Dec. 31, 2018	Account 106	Balance Historic Year Ended Dec. 31, 2018	Adjustments to Plant Balances	Balance Historic Year Ended Dec. 31, 2018	Pro Forma
									Depreciation Expense
1	Intangible Assets								
2	Organization	301		24,808		24,808		24,808	0
3	Other Intangible assets	303	20.00%	10,987,554		10,987,554	(10,987,554)	0	0
4	Other Intangible assets (3 yr life)	303	33.33%			0	320,288	320,288	106,752
5	Other Intangible assets (5 yr life)	303	20.00%			0	5,927,606	5,927,606	1,185,521
6	Other Intangible assets (10 yr life)	303	10.00%		193,559	193,559	5,152,610	5,346,170	534,617
7	<i>Total Intangible Assets</i>			<u>11,012,362</u>	<u>193,559</u>	<u>11,205,921</u>	<u>412,951</u>	<u>11,618,873</u>	<u>1,826,890</u>
8									
9	Distribution Plant								
10	Land and land rights	360		1,672,947	0	1,672,947		1,672,947	0
11	Structures and improvements	361	2.39%	1,965,160	0	1,965,160		1,965,160	46,967
12	Station equipment	362	3.00%	28,894,637	1,861,412	30,756,049		30,756,049	922,681
13	Poles, towers and fixtures	364	3.64%	40,575,975	1,091,070	41,667,046		41,667,046	1,516,680
14	Overhead conductors, devices	365	3.26%	58,746,906	6,427,330	65,174,236		65,174,236	2,124,680
15	Underground conduit	366	1.96%	6,674,970	273,408	6,948,378		6,948,378	136,188
16	Underground conductors, device	367	3.04%	14,932,982	2,341,077	17,274,059		17,274,059	525,131
17	Line transformers	368	3.51%	29,063,612	574,943	29,638,555		29,638,555	1,040,313
18	Services	369	3.89%	10,437,741	1,196,471	11,634,212		11,634,212	452,571
19	Meters	370	5.00%	3,507,367	181,121	3,688,487		3,688,487	184,424
20	Leased Prop on Customers' Prem	372	10.00%	1,167,465	40,119	1,207,584	(1,207,584)	0	0
21	Street lighting, signal system	373	3.67%	5,553,466	73,315	5,626,782		5,626,782	206,503
22	<i>Total Distribution Plant</i>			<u>203,193,227</u>	<u>14,060,268</u>	<u>217,253,495</u>	<u>(1,207,584)</u>	<u>216,045,911</u>	<u>7,156,140</u>
23									
24	General Plant								
25	Land	389		1,620,372		1,620,372		1,620,372	0
26	Structures and Improvements	390	1.62%	8,934,141	375,659	9,309,799	(59,621)	9,250,178	149,853
27	Office Furniture and Improvement	391	4.00%	847,122		847,122	(676,961)	170,161	6,806
28		391.1	20.00%				44,312	44,312	8,862
29		391.2	20.00%				279,318	279,318	55,864
30	Transportation Equipment	392	7.50%	2,730,590	384,144	3,114,734		3,114,734	233,605
31	Stores Equipment	393	3.33%	161,336	8,320	169,656		169,656	5,650
32	Tools Shop and Garage Equipment	394	4.17%	317,359	63,547	380,905		380,905	15,884
33	Laboratory Equipment	395	3.03%	270,548	21,943	292,491		292,491	8,862
34	Power Equipment	396	6.00%	1,466,922	55,510	1,522,432		1,522,432	91,346
35	Communication Equipment	397	4.17%	1,828,418	36,544	1,864,962		1,864,962	77,769
36	Miscellaneous Equipment	398	10.00%	120,736	28,469	149,205		149,205	14,921
37	<i>Total General Plant</i>			<u>18,297,542</u>	<u>974,137</u>	<u>19,271,678</u>	<u>(412,952)</u>	<u>18,858,727</u>	<u>669,422</u>
38	Total			<u>232,503,131</u>	<u>15,227,964</u>	<u>247,731,095</u>	<u>(1,207,584)</u>	<u>246,523,511</u>	<u>9,652,452</u>
39	Depreciation Deficiency (Annual)								233,300
40	Rate-making Adjustment per DG 11-040 (Acquisition)								0
41	Depreciation expense computed, Plant assets as of 12/31/2018								<u>9,885,752</u>
42	Depreciation expense recorded for Historic Year								<u>8,324,166</u>
43	Depreciation expense adjustment							<i>To RR-3</i>	<u>1,561,586</u>

RR-3-09 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 09**

Depreciation Reserve Deficiency Amortization

Schedule RR-3-09 (CU)

Line	Account	Source	Amount
1	Accumulated Depreciation Historical Under Theoretical	<i>DE 19-064</i>	1,399,800
2	Annual Debit to depreciation expense	<i>DE 19-064</i>	233,300 <i>To RR-3-08</i>
3	Monthly Debit to depreciation expense		19,442
4	Amortization period- months		72
5			
6	Effective date	07/01/2019	
7	Amortization through	12/31/2019	6.0
8	Accumulated amortization of regulatory liability		116,650
9	Balance remaining to credit to expense		1,283,150
10	Trial balance amount		(227,928)
11	Amortization ends		06/29/2025
12			

RR-3-10 **Granite State Electric Company**

Final **Adjustments to Test Year**

RR **Adjustment 10**

Vegetation Management

Schedule RR-3-10 (CU)

Line	Account	Description	Account	Amount
1	Adjustment for Annual Vegetation Management Expenses(1)	Adjust based on actual expenses - 2018		1,944,301
2				
3	Additional Adjustment for Hazard Tree Adjustment	Additional \$1.6m over 4 years (\$400k/y)		<u>400,000</u>
4				
5	Total REP/Vegetation Management			2,344,301
6				
7	Test Year Total Expense	Vegetation Management	593	<u>1,545,049</u>
8				
9	VMP/REP Adjustment to Test Year			<u><u>799,252</u></u>

(1) Adjustment in consideration for total actual Vegetation management expenses incurred during the test year

RR-3-11 Liberty Utilities (Granite State Electric) Corp
 Final Adjustments to Test Year
 AD Adjustment 11
 Property Taxes
 Schedule RR-3-11 (CU)

Line	Municipality	Parcel	Tax Year 2018			Corrections & Updates Calculation		
			Installment #1	Installment #2	Total Due	Updated Installment Bill Date	Updated Installment	Annualized (2x Installment #2)
1	Acworth	999-00000-999D	11,608	11,913	23,521	6/3/2019	11,761	23,522
2	Alstead	999-UTIL-001	41,103	46,482	92,964	5/22/2019	43,810	87,620
3	Bath	00	1,117	748	1,496	10/31/2019	275	549
4	Canaan	00UTIL-00ELEC-000001	69,705	63,933	127,866	10/23/2019	65,894	131,788
5	Charlestown	119-033	1,872	1,985	3,971	6/11/2019	1,930	3,859
6	Charlestown	000-003	157,688	167,256	334,512	6/11/2019	157,688	315,376
7	Charlestown	103-050	941	1,003	2,007	6/11/2019	972	1,944
8	Charlestown	103-051	6	9	18	6/11/2019	7	14
9	Charlestown	107-001	21	32	65	6/11/2019	38	75
10	Cornish	000UTL - 000UTL - 00ELEC	2,181	2,318	4,636	5/19/2019	2,251	4,502
11	Derry	11-100	2,106	2,706	5,411	5/15/2019	2,406	4,812
12	Enfield	33-034	967	1,015	2,030	11/6/2019	985	1,970
13	Enfield	UTL-001	85,489	85,859	171,719	11/6/2019	83,905	167,810
14	Franconia	00UTIL-0ELECT-000004		130	130	5/28/2019	65	130
15	Grafton	000UTL-00001-00000	844	900	1,800	10/17/2019	1,079	2,158
16	Goffstown	2018-2-6739		199	199	10/29/2019	134	268
17	Hanover	0-11	97,446	96,767	193,534	11/4/2019	105,950	211,900
18	Hanover	23-1-1		5,093	5,093	11/4/2019	2,778	5,556
19	Langdon	1-00000-0	19,320	15,908	31,816	5/22/2019	17,614	35,228
20	Lebanon	103-14	52,374	54,680	109,360	11/1/2019	55,798	111,596
21	Lebanon	105-105	1,914	2,011	4,022	11/1/2019	2,059	4,118
22	Lebanon	116-4	51	55	110	11/1/2019	56	112
23	Lebanon	117-17	754	793	1,586	11/1/2019	811	1,622
24	Lebanon	6-1	2,991	3,142	6,284	11/1/2019	3,218	6,436
25	Lebanon	999-2	357,279	375,211	750,422	11/1/2019	384,309	768,618
26	Londonderry	7-34-1	8,463	8,594	17,187	10/29/2019	8,342	16,684
27	Marlow	U7C	387	426	851 (1)	5/28/2019	406	812
28	Monroe	000000-000002-000000	3,059	4,978	9,955	5/13/2019	4,028	8,055
29	Orange	00UTLS-000GSE-000000	0	2,001	2,001	11/6/2018	2,001	2,001 (1)
30	Pelham	0-14-3	101,168	166,841	333,682	5/21/2019	134,005	268,010
31	Pelham	29-1-114-1-UBO	0	2,551	5,102	5/21/2019	1,299	2,598
32	Plainfield	000233-000020-000000	24,321	29,005	58,010	10/18/2019	25,066	50,132
33	Salem	67-9809	1,504	1,625	3,250	5/20/2019	1,564	3,128
34	Salem	68-10101	240	261	522	5/20/2019	250	500
35	Salem	68-10102	283	305	610	5/20/2019	294	588
36	Salem	68-10103	152	164	328	5/20/2019	158	316
37	Salem	89-1099	862	925	1,850	5/20/2019	894	1,788
38	Salem	89-10115	996	1,075	2,150	5/20/2019	1,035	2,070
	Salem	99-12572				5/20/2019	11,875	11,875 (2)
39	Salem	114-10116	814	873	1,746	5/20/2019	844	844
40	Salem	116-9915	12,833	13,782	27,564	5/20/2019	13,569	27,138
41	Salem	116-9915-2	976	1,046	2,092	5/20/2019	1,011	2,022
42	Salem	136-9903	1,466	1,582	3,164	5/20/2019	1,523	3,046
43	Salem	157-9715	641,746	692,920	1,385,840	5/20/2019	667,333	1,334,666
44	Springfield	0092-03	144	124	248	5/28/2019	129	258
45	Surry	000UTL-000003-000GSE	1,492	1,505	3,010	11/5/2019	2,520	5,040
46	Walpole	00UTIL-00UTIL-00001B	54,763	59,038	118,076	5/21/2019	56,900	113,800
47	Walpole	00UTIL-00UTIL-00001A	17,481	18,514	37,028	5/21/2019	18,004	36,008
48	Windham	00B-00000-02795	21,463	31,287	62,574	5/24/2019	26,375	52,750
49	State of NH	NH DRA 1-2	220,793	220,793	441,586	9/1/2019	240,710	962,839 (3)
50	State of NH	NH DRA 3-4	220,793	220,793	441,586			0
51			2,243,977	2,421,156	4,834,584		2,165,926	4,798,551
52	Property Tax % Assessed Value							
53								
54	Pro Forma Property Tax Expense (Installment #2 X 2)				4,842,312			4,798,551
55	Property Tax expense, Test Year				4,673,568			4,673,568
56	Increase in Property tax expense				168,744			124,983
57								

* Town of Franconia billing October 2018 represents full annual billing; subsequent billing 07/2019 @ \$65.00

(1) Annual billing in one installment; reflected in annualized amount
 (2) Initial bill; assume full annualized amount
 (3) Annual amount of quarterly billing by NH DRA

RR-3-12 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 12**

Injuries & Damages

Schedule RR-3-12 (CU)

Line	Description	Source	Amount
1	Adjustments to Injuries & Damages		
2	Remove test year costs for one-time charges to Injuries & Damages ⁽¹⁾		(93,689)
3	Reverse adjustment made to test year for entry to remove reserve for injuries & damages ⁽²⁾		116,336
4			
5	Adjustment to Injuries & Damages		22,647

(1) Adjustment to remove one-time costs charged to Injuries & Damages for costs associated with an incident that occurred during the test year.

(2) One-time adjustment made 12/31/2018 to remove items with reserve in Accumulated Provision for Injuries & Damages related to cases prior to 2018; determined reserve no longer needed. Entry 12/31/2018 to decrease Accumulated Provision for Injuries and Damages and credit Injuries & Damages expense.

RR-3-13 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 13**

Other Revenue

Schedule RR-3-13 (CU)

<u>Line</u>	<u>Description</u>	<u>Actual</u>		<u>Adjustment</u>	<u>Adjusted</u>
1	Misc. service revenue	633,217	(a)	(192,548)	440,669
2	Rent from Electric property	303,082	(b)		303,082
3	Other revenue	(143,536)	(c)		(143,536)
4	Sales for resale	165,899	(d)		165,899
5		<u>958,663</u>		<u>(192,548)</u>	<u>766,115</u>
6					
7					
8	(a) Remove incentive revenue for energy efficiency programs (\$146,573) and non-recurring charges to customers (\$45,975)				
9	(b) Pole attachment revenue				
10	(c) Represents CIAC and other revenue				
11	(d) Border sales revenue for the months of January thru December 2018				

RR-3-14 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 14**

Adjustments to Normalize Distribution Revenue

Schedule RR-3-14 (CU)

Line	Description	Ref.	Amount	
1	Distribution revenue, Historic unadjusted	RR-2-1	62,827,628	
2	Flow-through items	RR-2-2	(22,562,375)	
3				
4	Adjustment to Normalize Revenue ⁽¹⁾		(618,740)	
5			(618,740)	To RR-3
6				
7	Distribution revenue, Historic adjusted		<u>39,646,512</u>	

(1) Adjustment to normalize revenue for test year based on rates in effect as of December 31, 2018

RR-3-15 **Liberty Utilities (Granite State Electric) Corp.**

Final **Adjustments to Test Year**

AD **Adjustment 15**

Income Tax Expense- Test Year Actual

Schedule RR-3-15 (CU)

Line	Description	Reference	Amount
1	Test Year Actual to Statutory Rates		
2	Normalized Revenue	<i>RR-2, line 5</i>	40,120,331
3	Normalized Expenses, excluding income tax	<i>RR-2, lines 8-15, line 17</i>	36,519,297
4	Income (loss) before interest and taxes		3,601,034
5			
6	Rate base	<i>RR-1</i>	103,024,219
7	Debt Portion	<i>RR-6</i>	45.00%
8	Debt Component		46,360,899
9	Debt cost	<i>RR-6</i>	5.97%
10	Synchronized Interest expense		2,767,746
11	Pre-tax income, New Hampshire		833,289
12			
13	New Hampshire Business tax rate		7.70%
14	New Hampshire synchronized tax expense	<i>Line 11 X Line 13</i>	64,163
15	Pre-tax income, Federal	<i>Line 11 - Line 14</i>	769,126
16			
17	Federal statutory rate		21.00%
18	Federal synchronized tax expense	<i>Line 15 X Line 17</i>	161,516
19			
20	Total Income tax expense at Statutory rates	<i>Line 14 + Line 18</i>	225,680
21	Income tax expense (credit) recorded	<i>RR-2, line 16</i>	2,797,514
22	Adjustment to Normalize Historic Test Year		<u>(2,571,834)</u>
23			
24	Adjustment to New Hampshire		(188,785)
25	Adjustment to Federal		(2,383,050)
26	Total Adjustment		<u>(2,571,834)</u>
27			
28	This adjustment normalizes income tax expense in the Test Year to reflect statutory rates.		
29			

RR-3-16 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Adjustments to Test Year**
 AD **Adjustment 16**
Other Adjustments (Corrections & Updates Filing)
 Schedule RR-3-16 (CU)

Line	Description	Source	Amount
1	Cost for Branding Advertising - FMG Publishing Inc. ⁽¹⁾		(2,990)
2			
3	EEI Dues & Memberships (see Data Request No. Staff 5-8) ⁽²⁾		(516)
4			
5	Lost Base Revenue (related to Energy Efficiency) ⁽³⁾		(280,584)
6			
7	Remove Historic Test Year Expenses Associated with Water Heater Assets ⁽⁴⁾		(73,923)
8			
9	Remove Historic Text Year Revenue Associated with Water Heater Assets ⁽⁴⁾		(11,712)
10			
11	Total Other Adjustments		<u>(369,725)</u>

(1) Adjustment to remove promotional and branding advertising

(2) Dues and membership costs paid to EEI attributable to legislation influencing activities, removing from the revenue requirement.

(3) Removal of Lost Base Revenue from revenues included in calculation of the revenue requirement; as recovered through separate mechanism

RR-4 **Liberty Utilities (Granite State Electric) Corp.**
Final **Balance Sheets**
RR **Historic Year Ended Dec. 31, 2018**

Schedule RR-4 (CU)

Line	Description	Historic Year	FERC Form 1	FERC Form 1
		Ended Dec. 31, 2018	Calendar Year Ending Dec. 31, 2017	Calendar Year Ending Dec. 31, 2016
1	Assets			
2	Utility plant	232,503,131	212,837,936	190,845,766
3	Depreciation reserve	(93,623,954)	(86,446,385)	(78,613,315)
4	Plant in service, Not classified	15,227,964	16,458,080	24,619,036
5	CWIP	3,907,980	4,595,976	2,852,953
6	Net Utility plant	158,015,121	147,445,606	139,704,440
7				
8	Other property & investments	32,086	32,086	32,086
9				
10	<u>Current assets</u>			
11	Cash	87,514	67,819	40,211
12	Accounts receivable	12,530,433	11,483,787	9,543,316
13	Due from affiliates	25,009,833	1,290,290	3,484,515
14	Materials and supplies	1,877,163	2,242,637	1,875,160
15	Prepayments	1,081,231	1,098,632	2,013,258
16	Accrued revenues and other	2,819,860	3,154,373	3,560,867
17	Total Current assets	43,406,034	19,337,538	20,517,328
18				
19	ADIT- Debits	328,131	539,321	481,514
20	Deferred Assets- Pension / OPEB	11,953,050	14,009,730	16,131,884
21	Deferred Assets- Storm	5,534,016	1,841,199	198,261
22	Other Assets	10,920,148	12,449,474	766,384
23	Total Other assets	28,735,344	28,839,723	17,578,042
24				
25	Total Assets	230,188,585	195,654,953	177,831,896
26				
27	Capitalization & Liabilities			
28	<u>Capitalization</u>			
29	Common stock	82,024,903	82,024,903	82,024,903
30	Other Paid-in capital	17,000,000	17,000,000	17,000,000
31	Retained Earnings	(119,942)	(89,814)	(3,771,863)
32	Retained earnings- Current year	4,655,041		
33	Retained Earnings adjustments	160,041	(309,176)	(1,172,676)
34	Total Proprietary capital	103,720,043	98,625,913	94,080,365
35				
36	Long-term debt	15,000,000	15,000,000	15,000,000
37	Total Capitalization	118,720,043	113,625,913	109,080,365
38				
39	<u>Current & accrued liabilities</u>			
40	Notes payable to Affiliates	17,000,000	17,000,000	17,000,000
41	Accounts payable	5,881,954	5,230,896	4,736,649
42	Due to affiliates	36,480,672	10,375,008	1,797,848
43	Customer deposits	1,278,349	1,203,236	782,605
44	Accrued expenses	14,081,662	13,630,967	13,810,884
45	Total Current & accrued liabilities	74,722,637	47,440,107	38,127,985
46				
47	ADIT- Credits	15,273,030	12,971,587	6,461,659
48	Deferred Assets- Pension / OPEB	14,699,662	15,838,509	19,262,131
49	Deferred Assets- Storm/ Other	6,545,285	4,769,235	3,108,962
	Plant removal	0	0	0
50	Other Non-current liabilities	227,928	1,009,362	1,790,796
51	Customer advances for construction	0	240	0
52	Total Capitalization & Liabilities	230,188,584	195,654,953	177,831,896
53	Check	0	(0)	(0)

RR-5 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base**
 RR **Balances at Dec. 31, 2018**

Schedule RR-5 (CU)						
Line	Description	Balance Historic Year Ended Dec. 31, 2018	Ref.	Description	Adjustments	Pro Forma Rate Base
	<i>Source:</i>	<i>RR-2-1</i>				
1	Utility plant in service					
2	Utility plant	232,503,131	RR-5-4	In service Not		232,503,131
3	Depreciation reserve	(93,623,954)	RR-5-4	classified; Remove IT		(93,623,954)
4	Net Utility plant	<u>138,879,177</u>			<u>0</u>	<u>138,879,177</u>
5						
6	Materials and Supplies	1,877,163	RR-5-1	5 quarter avg	409,772	2,286,935
7	Cash Working Capital		RR-5-3	24.20 days	2,423,196	2,423,196
8	Plant in service, Not classified	15,227,964		Included on line 2	(15,227,964)	0
9	Accumulated Deferred FIT	(14,944,899)	RR-5-5	Computed	(18,776,467)	(33,721,366)
	Excess Accumulated Deferred FIT	0	RR-5-5	Computed	(5,640,070) (1)	(5,640,070)
10	Customer deposits	<u>(1,278,349)</u>	RR-5-1	5 quarter avg	<u>74,696</u>	<u>(1,203,653)</u>
11	Other Rate Base items	<u>881,878</u>			<u>(36,736,837)</u>	<u>(35,854,958)</u>
12	Rate Base	<u>139,761,056</u>			<u>(36,736,837)</u>	<u>103,024,219</u>
13		<i>139,761,056</i>				<i>103,024,219</i>

(1) Adjustment to show excess ADIT resulting from tax reform separate from the Accumulated Defered FIT balance

RR-5-1 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base Quarterly Balances**
 RR **Historic Year Ended Dec. 31, 2018**

Schedule RR-5-1 (CU)

Line	Description	12/31/2017	03/31/2018	06/30/2018	09/30/2018	12/31/2018	5 Quarter Average
1	Materials and Supplies	2,242,637	1,932,010	2,938,134	2,444,732	1,877,163	2,286,935
2							
3	Customer deposits	(1,203,236)	(1,179,920)	(1,152,319)	(1,204,440)	(1,278,349)	(1,203,653)
4							

RR-5-2 **Liberty Utilities (Granite State Electric) Corp.**

Final **Materials & Supplies**

RR **Historic Year Ended Dec. 31, 2018**

Schedule RR-5-2 (CU)

Line	Description	5-Quarter Average		
		Dec. 31, 2018	Dec. 31, 2017	Dec. 31, 2016
1	Materials & Supplies	2,286,935	2,204,141	1,954,718
2				
3				
4				
5	December 31 (prior year)	2,242,637	1,875,160	1,605,519
6	March 31	1,932,010	1,908,310	1,909,264
7	June 30	2,938,134	2,119,831	1,948,117
8	September 30	2,444,732	2,874,765	2,435,529
9	December 31 (this year)	1,877,163	2,242,637	1,875,160
10	Average	2,286,935	2,204,141	1,954,718

RR-5-3 Liberty Utilities (Granite State Electric) Corp.

Final Cash Working Capital

RR Historic Year Ended Dec. 31, 2018

Schedule RR-5-3 (CU)

Line	Description	Reference	Pro Forma Test Year With Known and Measurable
1	Distribution, before adjustments	Schedule RR-2 (CU)	34,732,691
2	Adjustments, before income tax	Schedule RR-2 (CU)	4,584,120
3	Adjustment for income tax	Schedule RR-2 (CU)	<u>(2,767,852)</u>
4			36,548,959
5			
6	Cash Working Capital Required- 24.20 days		<u>6.63%</u>
7	Cash Working Capital Required		<u><u>2,423,196</u></u>

RR-5-4 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base Adjustments-Capital Additions**
 RR **Historic Year Ended Dec. 31, 2018**

Schedule RR-5-4 (CU)

Line	Description	Reference	Cost	Book Depreciation		
				Rate	Expense	Accumulated
1	Rate-making Adjustment per DG 11-040 (Acquisition)		0	20.00%	0	0
2						
3						
4	Total Capital Additions		\$0		\$0	\$0
5			<i>To RR-5</i>		<i>To RR-3-08</i>	<i>To RR-5</i>

RR-5-5 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Rate Base Adjustments- Plant-Related ADIT**
 RR **Historic Year Ended Dec. 31, 2018**
 Schedule RR-5-5 (CU)

Line	Description	Notes	Federal	State	Combined
1	ADIT on Acquisition Date Assets	<i>RR-5-6</i>	2018		\$21,000,000
2					
3	Post-Acquisition Capital Additions	Combined	Federal	State	
4	Plant in Service 12/31/2018	232,503,131			
5	Plant in Service 7/1/2012 (Acquisition)	134,515,402			
6	Change in plant balances since Acquisition	97,987,729			
7					
8	For Additions Since Acquisition- ADIT per books				
9	Rate=	Basis Difference	21.00%	6.24%	
10	Property, Plant & Equipment	(73,072,293)	15,345,182	4,560,442	19,905,623
11	Goodwill				
12	Cost of Removal	6,879,871	(1,444,773)	(429,373)	(1,874,146)
13	Depreciation rate adjustment mechanism	(1,559,550)	327,505	97,332	424,837
14	AFUDC	(306,176)	64,297	19,108	83,405
15	NOL	13,389,468	(2,811,788)	(835,637)	(3,647,425)
16					
17	NH Bonus depreciation:				
18	Bonus Tax depreciation	40,003,894		(3,080,300)	(3,080,300)
19	Additional regular depreciation	(11,810,013)		909,371	909,371
20	ADIT Per Books at 12/31/2018 (Relates to Post-Acquisition Additions)				\$12,721,366
21	Total Accumulated Deferred Income Tax Adjustment to Rate Base, 12/31/2018				\$33,721,366

RR-5-5 **Liberty Utilities (Granite State Electric) Corp.**

Final **Rate Base Adjustments- Plant-Related ADIT**

RR **Historic Year Ended Dec. 31, 2018**

Schedule RR-5-5 (CU)

Line	Description	Notes	Federal	State	Combined
Direct Calculation- ADIT on Additions Since Acquisition					
	Book Depreciation		8,432,511	8,432,511	
	Tax Depreciation- Regular		15,044,327	26,854,340	
	Tax Depreciation- Bonus		40,003,894		
	Tax Depreciation- Total		55,048,221	26,854,340	
	Tax depreciation in excess of Book		46,615,709	18,421,829	
	Statutory Tax Rates		21.00%	7.70%	
	Tax effect at Statutory Rates		9,789,299	1,418,481	11,207,780
	Federal effect of State			6.24%	(297,881)
	Rate Base Deferred Tax at 12/31/2015 (<i>ADIT related to Post-Acquisition Additions</i>)				\$10,909,899

RR-5-6 **Liberty Utilities (Granite State Electric) Corp.**
 Final **ADIT on Acquisition Date Assets**
 RR **As of December 31, 2018**
 Schedule RR-5-6 (CU)

Line	Year	ADIT
1	2015	21,137
2	2016	21,137
3	2017	21,000
4	2018	21,000
5	2019	21,000
6	2020	21,000
7	2021	21,000
8	2022	21,000
9	2023	21,000
10	2024	21,000
11	2025	20,000
12	2026	19,000
13	2027	18,000
14	2028	17,000
15	2029	10,929
16	2030	10,929

Adjustment to Accumulated Deferred Income Tax (ADIT) per DE 16-383 Settlement Agreement, Attachment 7

RR-6 **Liberty Utilities (Granite State Electric) Corp.**
 Final **Weighted Average Cost of Capital**
 RR **Historic Year Ended Dec. 31, 2018**

Schedule RR-6 (CU)

Line	Description	Refer-ence	Balance	Capital Structure	Weight	Cost of Capital	Weighted Cost of Capital
1	Common stock	RR-4	82,024,903	55.00%	55.00%	10.00%	5.50%
2	Long-term debt	RR-4	15,000,000	45.00%	45.00%	5.970%	2.69%
3	Long-term debt Affiliate	RR-4	17,000,000		14.91%		
4			114,024,903	100.00%	114.91%		8.19%