# Appendix & Schedules

Appendix 1

John Defever, CPA is a regulatory consultant with Larkin & Associates. As such, Mr. Defever is responsible for the review and analysis of regulatory filings and the preparation of testimony, discovery requests, briefs, schedules, exhibits and reports. Mr. Defever also assists with the annual audit of a Michigan Railroad Company. Mr. Defever has been employed with the firm of Larkin and Associates since 2010.

Mr. Defever has performed work in the field of utility regulation on behalf of public service commission staffs, state attorney generals and consumer groups concerning regulatory matters before regulatory agencies in Alaska, California, Connecticut, District of Columbia, Florida, Hawaii, Maryland, Massachusetts, Mississippi, Oregon and Vermont.

Mr. Defever received a Bachelor of Business Administration, Major: Accounting from Eastern Michigan University and an Associate in Applied Science at Schoolcraft College. Mr. Defever is a member of the Michigan Association of Certified Public Accountants and maintains continuing professional education in accounting, auditing, and taxation.

Partial list of utility cases participated in:

Docket No. 10-02-13	Aquarion Water Company of Connecticut Connecticut Department of Utility Control
Docket No. 10-70	Western Massachusetts Electric Company Massachusetts Department of Public Utilities
Docket No. 10-12-02	Yankee Gas Services Company Connecticut Department of Utility Control
Docket No. 11-01	Fitchburg Gas & Electric Light Company Massachusetts Department of Public Utilities
Case No.9267	Washington Gas Light Company Maryland Public Service Commission

Case No.9286	Potomac Electric Power Company Maryland Public Service Commission
Docket No. 13-06-08	Connecticut Natural Gas Corporation Connecticut Public Utility Regulatory Authority
Docket No. 13-90	Fitchburg Gas & Electric Light Company Massachusetts Department of Public Utilities
Docket No. 8190	Green Mountain Power Company Before the Vermont Public Service Board
Docket No. 8191	Green Mountain Power Company Alternative Regulation Before the Vermont Public Service Board
Case No.9354	Columbia Gas of Maryland, Inc. Maryland Public Service Commission
Docket No. 13-135	Western Massachusetts Electric Company Massachusetts Department of Public Utilities
Docket No. 14-05-06	Connecticut Light & Power Company Connecticut Public Utilities Regulatory Authority
Docket No. 13-85	Massachusetts Electric Company and Nantucket Electric Company D/B/A/ as National Grid Massachusetts Department of Public Utilities
Case No.9390	Columbia Gas of Maryland, Inc. Maryland Public Service Commission
Docket No. 15-03-01	Connecticut Light & Power Company Connecticut Public Utilities Regulatory Authority
Docket No. 15-03-02	United Illuminating Company Connecticut Public Utilities Regulatory Authority
Docket No. 15-149	Western Massachusetts Electric Company Massachusetts Department of Public Utilities

Docket No. 8710 Vermont Gas Systems Inc.

Before the Vermont Public Service Board

Docket No. 8698 Vermont Gas Systems Inc.

Alternative Regulation

Before the Vermont Public Service Board

U-15-091 / U-15-092 College Utilities Corporation

Golden Heart Utilities, Inc.

Regulatory Commission of Alaska

Docket No.16-06-04 United Illuminating Company

Connecticut Public Utilities Regulatory Authority

Docket No. 15-05-42 Southern Connecticut Gas Company

Connecticut Public Utilities Regulatory Authority

Docket No. 20160251-El Florida Power & Light Company

Florida Public Service Commission

Docket No. 20170141-SU KW Resort Utilities

Florida Public Service Commission

Docket No. A.16-09-001 Southern California Edison

California Public Utilities Commission

Case No. 18-0409-TF Vermont Gas Systems, Inc.

Vermont Public Utility Commission

Docket No. 17-10-46 Connecticut Light & Power Company

Connecticut Public Utilities Regulatory Authority

Docket No. 2017-0105 Hawaii Gas Company

Hawaii Public Utilities Commission

Docket No. 18-03-01 Connecticut Light & Power Company

Connecticut Public Utilities Regulatory Authority

Docket No. 18-03-02 United Illuminating Company

Connecticut Public Utilities Regulatory Authority

Docket No. A.17-11-009	Pacific Gas & Electric California Public Utilities Commission
Docket No. 18-05-16	Connecticut Natural Gas Connecticut Public Utilities Regulatory Authority
Docket No. 18-05-10	Yankee Gas Connecticut Public Utilities Regulatory Authority
Docket No. 18-11-12	Connecticut Light & Power Company Connecticut Public Utilities Regulatory Authority
Docket No. 18-07-10	SJW Group and Connecticut Water Service Connecticut Public Utilities Regulatory Authority
Docket No. RPU-2019-0001	Interstate Power and Light Iowa Utilities Board
Docket No. 2018-0388	Kona Water Service Company Hawaii Public Utilities Commission

#### PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY DOCKET NO. DE 19-057

# EXHIBIT\_(L&A-1) ACCOMPANYING THE DIRECT TESTIMONY OF JOHN DEFEVER ON BEHALF OF THE OCA

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#### Overall Financial Summary

			Rate Year		Rate Year	
Line		Per PSNH			Per OCA	OCA
<u>No</u>	Description		Amount	Amount		<u>Reference</u>
1	Rate Base, as adjusted	\$ 1	1,215,667,897	\$ 1	1,177,430,846	Schedule B
2	Operating Income, as adjusted	\$	41,944,680	\$	58,933,672	Schedule C
3	Earned Rate of Return		3.45%		5.01%	L.2 / L.1
4	Requested rate of return / cost of capital		7.62%		6.45%	Schedule D
5	Required Operating Income	\$	92,590,130	\$	75,923,096	L.1 X L.4
6	Income Sufficiency / (Deficiency)	\$	(50,645,450)	\$	(16,989,424)	L.2 - L.5
7	Gross Revenue Conversion Factor		1.371422		1.371422	Schedule A-1
8	Revenue (Increase)/Decrease required		(\$69,456,299)		(\$23,299,674)	L. 6 X L.7
9	Uncollectible Adjustment		(456,397)		(153,102)	L. 8 x 0.6571%
10	Total (Increase)/Decrease required		(69,912,696)		(23,452,776)	L.8 + L.9

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule A-1 Page 1 of 1

#### Gross Revenue Conversion Factor

		Per PSNH		
Line No.	Description	Test Year Ended 12/31/2018	Adjusted Test Year	Test Year Pro Forma
1	Operating Revenue Percentage	100.0000%	100.0000%	100.0000%
2	Less: New Hampshire corporate business tax	7.9000%	7.9000%	7.7000%
3	Operating revenue percentage after state taxes	92.1000%	92.1000%	92.3000%
4	Federal income tax rate	21.0000%	21.0000%	21.0000%
5	Federal income tax	19.3410%	19.3410%	19.3830%
6	Operating income after Federal income tax	72.7590%	72.7590%	72.9170%
7	Gross Revenue Conversion Factor	137.440%	137.440%	137.142%

Adjusted Distribution Rate Base

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule B Page 1 of 1

Line		PSNH	OCA	
<u>No.</u>	Description	Rate Year	 Rate Year	Reference
1	Rate Year Rate Base	\$ 1,215,667,897	\$ 1,215,667,897	Schedule EHC/TMD-36 (Perm)
2	Adjustments:			
3	Cash Working Capital		\$ 3,429,658	L&A Schedule B-1
4	Plant In Service		\$ (42,228,517)	L&A Schedule B-2
5	Materials & Supplies		\$ (1,705,697)	L&A Schedule B-4
6	Accumulated Depreciation		\$ 2,267,505	L&A Schedule B-3
7	Total Adjustments	\$ -	\$ (38,237,051)	
8	Adjusted Rate Base, per OCA	\$ 1,215,667,897	\$ 1,177,430,846	

Cash Working Capital

#### Lead / Lag Study Test Year

		(1) Revenue	(2)	(3)	(4) Annual	(5)	(6) OCA Annual	(7)	(8) Working Capital	(9) Lead (Lag)
Line		Lag	Expense Lead	Net Days	Distribution		Distribution	Daily Expense	Requested	Days
No.	Category	(Days)	(Days)	(1)-(2)	Expense	OCA Adj	Expense	(6/365)	(7)*(3)	Reference
	(A)				(B)				(G)	
1	O&M Expenses									
2	Payroll	45.79	11.97	33.82	\$ 54,496,899	388,128	54,108,771	148,243	\$ 5,014,093	Page 4
3	Payroll Incentive	45.79	270.00	(224.21)	7,613,826	5,329,678	2,284,148	6,258	\$ (1,403,100)	N/A
4	Employee Benefits	45.79	11.96	33.83	16,022,044	114,109	15,907,935	43,583	\$ 1,474,273	Page 5
5	Regulatory Assessments	45.79	12.10	33.69	4,766,319		4,766,319	13,058	\$ 439,944	Page 6
6	Insurance Expense & Injuries & Damages	45.79	(158.71)	204.50	2,480,664	109,269	2,371,395	6,497	\$ 1,328,630	Page 7
7	Other O&M	45.79	45.95	(0.16)	82,348,437	2,730,366	79,618,072	218,132	\$ (34,839)	Page 8
8	Total Operation and Maintenance				167,728,189		159,056,639		\$ 6,819,001	
9	Taxes:									
10	Local Property	45.79	(25.41)	71.20	47,399,353		47,399,353	129,861	\$ 9,246,483	Page 9
11	Payroll Taxes	45.79	11.98	33.82	5,138,032	58,826	5,079,206	13,916	\$ 470,573	Page 10
12	Federal Income Taxes	45.79	30.01	15.78	6,521,146	(6,192,704)	12,713,850	34,832	\$ 549,660	Page 11
13	NH Profit and Enterprise Taxes	45.79	31.99	13.80	2,772,786		2,772,786	7,597	\$ 104,837	Page 12
14	Total Taxes				61,831,317		67,965,195		\$ 10,371,554	
15	Weighted Net Lag Days								27.64	
16	Percentage								7.57%	
17	Total Distribution Working Capital per OCA								\$ 17,190,555	
18	Total Distribution Working Capital per Company								13,760,897	
	5 - 1 - 1 - 1 - 7									
19	OCA Adjustment								\$ 3,429,658	
	•									

Source: Attachment EHC/TMD-2 (Perm) Schedule EHC/TMD-1 (Perm)

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule B-2 Page 1 of 1

Plant In Service

Line No.	Description	Rate Ye		
1	Remove AMR Meters	\$	42,228,517	

Per OCA Witness Paul Alvarez, TS 2-018

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule B-3 Page 1 of 1

Accumulated Depreciation

Line No.	Description	]	Rate Year
1	AMR Accumulated Depreciation	\$	2,267,505

#### Source:

TS 2-018, Per OCA Witness Paul Alvarez recommendation

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule B-4 Page 1 of 1

#### Materials & Supplies

Line No.	Description	 Rate Year	Reference
1	Company Amount	\$ 12,213,448	Schedule EHC/TMD-36 (Perm)
2	OCA Amount	\$ 10,507,751	OCA 8-020
3	OCA Adjustment	\$ (1,705,697)	=

Exhibit\_\_(L&A-1)
Schedule C
Page 1 of 1

Docket No. DE 19-057

Distribution Operating Income Adjustments

		OCA	
Line		Rate Year	
<u>No</u>	Description	 Adjustments	Reference
1	Rate Year Net Operating Income per Company	\$ 41,944,680	Schedule EHC/TMD-1 (Perm)
	Operating and Maintenance Expense Adjustments:		
2	Non-Industry Dues and memberships	\$ 52,475	Schedule C-5
3	Employee benefits	\$ 114,109	Schedule C-6
4	Insurance Expense - EIM/NEIL Credits	\$ 58,915	Schedule C-10
5	Directors & Officers Liability	\$ 50,354	Schedule C-12
6	Payroll Expense	\$ 388,128	Schedule C-1
7	Variable Compensation	\$ 5,329,678	Schedule C-11
8	Vegetation Management - Unpaid bills	\$ 1,213,743	Schedule C-3
9	SERP	\$ 897,287	Schedule C-7
10	Non-SERP	\$ 339,992	Schedule C-8
11	Severance Expense	\$ 57,136	Schedule C-9
12	BOD Costs	\$ 169,733	Schedule C-4
13	Depreciation	\$ 4,535,009	Schedule C-13
14	Amortization of Deferred Assets	\$ 9,467,644	Schedule C-2
	Other Taxes		
15	Payroll Tax	\$ 58,826	Schedule C-15
16	Income Taxes	\$ (6,192,704)	Schedule C-16
17	Interest Synchronization	\$ 448,668	Schedule C-14
18	Operating Income	\$ 58,933,672	

Payroll Expense

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-1 Page 1 of 1

Line No.	Description		Rate Year	Reference
1	10 Cybersecurity Unfilled Positions	\$	71,190	\$7,119 * 10
2	3 Troubleshooter Unfilled Positions	\$	316,938	\$105,646 * 3
3	Total Unfilled Positions	\$	388,128	
4	OCA Unfilled Positions Adjustment	\$	388,128	:
5	Average Cyber Security Salary	\$99,	671/14=\$7,119	
6	Average Expanded Troubleshooter Salary	\$528	3,231/5=\$105,646	

Cyber Security employees are Eversource Service Company employees. This amount is 8% of the Labor O&M that is allocated to PSNH.

Source:

OCA 1-024

Amortization of Deferred Assets

		(A)	(B)	(C)	(D)	(E)	(F)
		PSNH	PSNH	PSNH	OCA	OCA	OCA ADJ
Line No.	Description	Total Cost	Amort Period	Annual Amort	Amort Period	Annual Amort	(Col F - Col D)
	(A)	(B)	(C)	(D)	(E)	(F)	
1	Amortization - of Rehab Tax Credit	\$ (34,044)	1	\$ (34,044)	1	(34,044)	\$ -
2	Amortization of Deferred Storm Costs	\$ 77,563,042	5	\$ 15,512,608	10	7,756,304	\$ (7,756,304)
3	Amortization of NH PUC Consultant Costs	\$ 336,630	1	\$ 336,630	10		\$ (336,630)
4	Amortization of Merger Costs	\$ 9,090,203	10	\$ 909,020	10	909,020	\$ -
5	Amortization of Environmental Costs	\$ 9,164,729	4	\$ 2,291,182	10	916,473	\$ (1,374,709)
6	Total Amortization	\$ 96,120,560		\$ 19,015,397	•	\$ 9,547,753	\$ (9,467,644)

Source

Schedule EHC/TMD-30 (perm)

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-3 Page 1 of 1

Vegetation Management-Unpaid Bills from Consolidated Communications

Line No.	Description	Rate Year			
1	Company Amount	\$ 1,213,743			
2	OCA Recommended Amount	\$ -			
3	OCA Adjustment	\$ (1,213,743)			

Source

Schedule EHC/TMD-20 (Perm) page 2

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-4 Page 1 of 1

**BOD Costs** 

Line No.	ine No. Description		Rate Year			
1	Company Amount	\$	226,310			
2	Percent allocated to shareholders		75%			
3	OCA Adjustment	\$	(169,733)			

Source:

OCA 1-066

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-5 Page 1 of 1

Non-Industry Membership Dues

			PSNH		OCA		OCA
Line No.	Description	R	Rate Year	R	ate Year	A	djustment
			(a)		(b)		(c)
				(Cc)	ol a x 50%)	(Co	l b - Col a)
1	Business & Industry Assoc	\$	16,721	\$	8,361	\$	(8,361)
2	Greater Manchester Chamber of Commerce	\$	20,050	\$	10,025	\$	(10,025)
3	Exeter Area Chamber of Commerce	\$	1,750	\$	875	\$	(875)
4	Greater Dover Chamber of Commerce	\$	1,161	\$	581	\$	(581)
5	Greater Nashua Chamber of Commerce	\$	20,000	\$	10,000	\$	(10,000)
6	Greater Keene Chamber of Commerce	\$	2,815	\$	1,408	\$	(1,408)
7	Greater Derry Londonderry Chamber of Commerce	\$	6,575	\$	3,288	\$	(3,288)
8	New Hampshire High Technology Council	\$	1,750	\$	875	\$	(875)
9	NH Grocers Association	\$	7,000	\$	3,500	\$	(3,500)
10	Northern Gateway Chamber of Commerce	\$	1,000	\$	500	\$	(500)
11	Greater Concord Chamber of Commerce	\$	1,650	\$	825	\$	(825)
12	The Chamber Collaborative of Greater Portsm	\$	2,116	\$	1,058	\$	(1,058)
13	NH Lodging and Restaurant Association	\$	14,000	\$	7,000	\$	(7,000)
14	Charges Under \$1,000	\$	8,362	\$	4,181	\$	(4,181)
15	Total	\$	104,950	\$	52,475		
16	Total OCA Adjustment					\$	(52,475)

#### Source:

Attachment EHC/TMD-1 (Perm) Schedule EHC/TMD-11 (Perm)

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-6 Page 1 of 1

Benefits

		OCA	
Line No.	Description	Rate Year Refere	ence
1	OCA Adjustment to Payroll	\$ 388,128 Schedul	e C-1
2	Benefit Percentage	29.400% Payroll '	Γax/Payroll Expense
3	OCA Adjustment	\$ 114,109	

Sou	rce:					
~ 1		ELIC /ELIC	4.0	110		

Schedules EHC/TMD-12, 14 (Perm)

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-7 Page 1 of 1

**SERP** 

Line No.	Description	]	Rate Year
1	Company Amount	\$	897,287
2	OCA Recommended Amount	\$	_
2	OCA Adjustment	\$	(897,287)

Source

OCA 1-054

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-8 Page 1 of 1

Non-SERP

Line No.	Description		Rate Year			
1	Company Amount	\$	339,992			
2	OCA Recommended Amount	\$				
3	OCA Adjustment	\$	(339,992)			

Source

OCA 8-037

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-9 Page 1 of 1

Severance Expense

Line No.	Description	R	Rate Year			
1	Company Amount	\$	57,136			
2	OCA Recommended Amount	\$				
3	OCA Adjustment	\$	(57,136)			

Source

OCA 1-068

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-10 Page 1 of 1

Insurance Expense - EIM/NEIL Credits

			OCA
Line No.	Description	R	ate Year
1	Average EIM credits	\$	(56,986)
2	Average NEIL credits	\$	(1,929)
3	OCA Adjustment	\$	(58,915)

						Average
		2015	2016	2017	2018	2015-2018
4	EIM Credits	(27,721)	(27,922)	(29,391)	(142,910)	(56,986)
5	NEIL Credits	(2,432)	(566)	(804)	(3,913)	(1,929)
		(30,153)	(28,488)	(30,195)	(146,823)	(58,915)

Source

OCA 8-026

Variable Compensation

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-11 Page 1 of 1

Line No.			Rate Year	
1	Amount Per Company	\$	7,613,826	
2	Percent Related to Financial Goals		70%	OCA 1-029(B)
3	OCA Recommended Shareholder Portion	\$	5,329,678	Line 1 x Line 2
4	OCA Adjustment	\$	(5,329,678)	

Source:

Attachment EHC/TMD-1 (Perm) Attachment EHC/TMD-15 (Perm)

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-12 Page 1 of 1

#### D&O Expense

Line No.	ine No. Description		Rate Year		
1	Company Amount		67,139		
2	Percent allocated to shareholders		75%		
3	OCA Adjustment	\$	(50,354)		

Source

OCA 1-005

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-13 Page 1 of 1

#### Depreciation Expense

Line No.	Description		Rate Year	
1	AMR Meter Depreciation Expense		\$ (4,535,009)	

Source:

TS 2-018

Per OCA Witness Paul Alvarez

Interest Synchronization

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-14 Page 1 of 1

Line		OCA Rate Year	
No No	Description	 Amount	Reference
1	Rate base, as adjusted	\$ 1,177,430,846	Schedule B
2	Weighted Cost of Debt	1.83%	Schedule D
3	Pro Forma Interest Deduction for Tax Purposes	\$ 21,599,969	L.1 X L.2
4	Interest Deduction, per Company	\$ 23,247,000	WP EHC/TMD-33 (Perm), p.3
5	Increase/(Decrease) in Interest Deduction for Tax Purposes	\$ (1,647,031)	L.3 - L.4
6	Federal and Stated Combined Income Tax Rate	 27.241%	Schedule C-16
7	Increase/(Decrease) in Income Tax Expense	\$ 448,668	-L.5 X L.6

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-15 Page 1 of 1

#### Payroll Tax Expense

Line No.	Description	Per OCA	Reference
1	Reduction to Rate Year Payroll Tax Exp	\$ 58,826	Line 2 * Line 3
2	Payroll OCA Adjustment to Payroll	\$ 388,128	L&A C-1
3	Effective Tax Rate Rate Year	15.16%	Line 4/Line 5
4	Rate Year Payroll Tax Expense per Company	\$ 8,259,756	Schedule EHC/TMD-32 (Perm)
5	Rate Year Payroll Expense per Company	\$ 54,496,899	Schedule EHC/TMD-14 (Perm)

Public Service Company of New Hampshire d/b/a Eversource Energy Docket No. DE 19-057 Test Year Ended December 31, 2018 Exhibit\_(L&A-1)

Income Tax Expense - Impact of Adjustments

Docket No. DE 19-057 Exhibit\_\_(L&A-1) Schedule C-16 Page 1 of 1

Line No.	Description	Rate Year Amount	OCA Reference
1	Adjustments to Net Operating Income, Excluding Income Taxes	\$ 22,733,029	Schedule C
2	Combined Income Tax Rate	27.2410%	Note (1)
3	Increase in Income Taxes	\$ 6,192,704	

#### Notes

<sup>(1)</sup> Combined tax rate includes the state tax rate of 7.9% and the Federal Income Tax Rate of 21% WP EHC/TMD-33 (Perm)

Docket No. DE 19-057 Exhibit\_\_(L&A-1)

Rate of Return

Sche	ed	lule D	)
Page	1	of 1	

Line	ompany	(A)	(B) Fixed	(C)	(D) Rate of
No	Description	Principal	Percentage	Cost	Return
1	Short Term Debt	\$ 71,805,000	3.17%	2.45%	0.08%
2	Long Term Debt	\$ 949,708,000	41.98%	4.37%	1.83%
3	Common Equity	\$1,240,847,000	54.85%	10.40%	5.70%
4	Total Capital	\$ 2,262,360,000	100.00%		7.62%
5	Cost of Capital				7.62%

#### New Calculation

Line No	Description	Principal	Fixed Percentage	Cost	Rate of Return
6	Short Term Debt	\$ 71,805,000	3.17%	2.45%	0.08%
7	Long Term Debt	\$ 949,708,000	41.98%	4.37%	1.83%
8	Common Equity	\$1,240,847,000	54.85%	8.27%	4.54%
9	Total Capital	\$2,262,360,000	100.00%		6.45%
10	Cost of Capital				6.45%

#### Source:

Company Amounts: Attachment EHC/TMD-1 (Perm) Schedule EHC/TMD-40 (Perm) at bates 292. Line 8 Column C per OCA witness Pradip Chattopadhyay's testimony