

Public Service Company of New Hampshire  
 d/b/a Eversource Energy  
 Docket No. DE 24-070  
 Attachment ES-DPH-1  
 June 11, 2024  
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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 ILLUSTRATIVE PERFORMANCE-BASED RATE ADJUSTMENTS (PBRA)  
 2026-2028 Revenue Summary  
 (\$, Millions)

Line #	Section 1.06 PBRAF Formula	Description	Per DE 24-070 2025	PBRA 1 August 1, 2026	PBRA 2 August 1, 2027	PBRA 3 August 1, 2028	Reference
(A)	(B)	(C)	(D)	(E)	(F)	(G)	
1		Operating Revenue Requirement	\$ 618.2				Attachment ES-REVREQ-1, Schedule ES-REVREQ-3, Column (D), Line 22
2		Less: Other Revenues	17.6				Attachment ES-REVREQ-1, Schedule ES-REVREQ-4, page 1, Column (H), Line 46
3	BASE_REV <sub>T-1</sub>	Distribution Revenue Requirement	\$ 600.6				Line 1 + Line 2
4		Less: Storm Cost Recovery	(55.7)				Attachment ES-REVREQ-1, Schedule ES-REVREQ-30, page 2, Column (F), Line 20
5		Less: Storm Funding	(19.0)				Attachment ES-REVREQ-1, Schedule ES-REVREQ-26, page 1, Column (B), Line 21
6		Base Revenue Requirement net of Storms, 2025	\$ 525.9				Sum of Lines 3 through 5
7		Base Revenue Requirement net of Storms, prior		\$ 526	\$ 536	\$ 546	Line 12, prior period
8							
9	PBRAFT	PBRAFA Adjustment, %		1.86%	1.90%	1.99%	Line 33
10	BASE_REV <sub>T</sub>	PBRAFA Adjustment, \$		\$ 10	\$ 10	\$ 11	Line 7 x Line 9
11							
12		Base Revenue Requirement net of Storms, adjusted by PBRM		\$ 536	\$ 546	\$ 557	Line 7 + Line 10
13							
14		Cumulative K-Bar Revenue Adjustment, \$, prior		\$ -	\$ 42	\$ 60	Line 16, prior period
15	K <sub>T</sub>	Incremental K-Bar Revenue Adjustment, \$		42	19	21	Page 2, Line 14
16		Cumulative K-Bar Revenue Adjustment, \$		\$ 42	\$ 60	\$ 81	Line 14 + Line 15
17							
18		Target Base Revenue Requirement net of Storms		\$ 578	\$ 606	\$ 638	Line 12 + Line 16
19							
20		Total Performance Based Revenue Adjustment, \$		\$ 52	\$ 29	\$ 32	Line 10 + Line 15
21		Total Performance Based Revenue Adjustment, %		9.8%	5.0%	5.3%	Line 20 / Line 7
22							
23		<u>Target Base Revenue Requirement</u>					
24		Total PBRF Revenue Requirement Adjustment		\$ 52	\$ 29	\$ 32	Line 20
25	BASE_REV <sub>T-1</sub>	Target Base Revenue Requirement, Prior Year		601	652	681	Line 26, prior period
26	ADJ_BASE_REV <sub>T</sub>	Target Base Revenue Requirement, Current Year	\$ 601	\$ 652	\$ 681	\$ 713	Line 24 + Line 25
27							
28		<u>Annual % Change</u>					
29	GDPP <sub>T-1, Uncapped</sub>	Annual GDP-PI % Change		2.01%	2.05%	1.99%	Page 8, Line 8
30	X	Productivity Factor		0.00%	0.00%	0.00%	Page 8, Line 9
31	CD	Consumer Dividend (GDP-PI% > 2%)		-0.15%	-0.15%	0.00%	Page 8, Line 10
32	GDPP <sub>T-1, Capped</sub>	Impose 5 percent Inflation Cap		0.00%	0.00%	0.00%	Page 8, Line 12
33	PBRAFT	PBRAFA Adjustment		1.86%	1.90%	1.99%	
34		K-Bar Adjustment, %		7.97%	3.07%	3.26%	Line 35 - Line 33
35		Performance Based Revenue Adjustment, %		9.83%	4.97%	5.25%	Line 21

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 ILLUSTRATIVE PERFORMANCE-BASED RATE ADJUSTMENTS (PBRA)  
 K-Bar Adjustment Summary  
 (\$, Millions)

Line #	Section 1.06 PBRAF Formula	Description	K-Bar Adjustment			Reference
			August 1, 2026	August 1, 2027	August 1, 2028	
	(A)	(B)	(C)	(D)	(E)	(F)
1		Base Capital Revenue Requirement:				
2		Depreciation Expense	\$ 99			Page 9, Line 2
3		Pre-Tax Return on Rate Base	176			Page 9, Line 3
4		Property Taxes	44			Page 9, Line 5
5	PBRM_CPT <sub>T-1</sub>	Total Base Capital Revenue Requirement	\$ 319			Sum of Lines 2 through 4
6						
7	(1 + PBRAF <sub>T</sub> )	Cumulative I-X increase	101.86%	103.79%	105.86%	Page 3, Line 10
8	PBRM_CPT <sub>T</sub>	Capital Recovery Supported Through I-X	325	331	338	Col. (C), Line 5 * Line 7
9						
10	KBAR <sub>T</sub>	Total K-Bar Capital Revenue Requirement	367	392	419	Page 3, Line 50
11						
12	K <sub>T-1</sub>	Prior-Period K-Bar Adjustment	-	42	60	PY Adjustment, Cumulative
13						
14	K <sub>T</sub>	K-Bar Adjustment, Annual	\$ 42	\$ 19	\$ 21	Line 10 - Line 8 - Line 12

PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 ILLUSTRATIVE PERFORMANCE-BASED RATE ADJUSTMENTS (PBRA)  
 K-Bar Adjustment Calculation  
 (\$, Millions)

Line #	K-Bar Adjustment Calculation Steps:													Reference		
1	<b>STEP 1: Determine "Going In" Capital Revenue Requirement</b>															
2	Depreciation Expense															Page 9, Line 2
3	Pretax Return on Rate Base															Page 9, Line 3
4	Property Taxes															Page 9, Line 5
5	<b>Total "Going In" Capital Revenue Requirement</b>															Sum of Lines 2 through 4
6																
7	<b>STEP 2: Establish Cumulative I-X %, relative to 2024</b>															
8																
9	% Increase per I-X formula															Page 8, Line 13
10	Cumulative change from 2024															
11																
12	<b>STEP 3: Determine capital recovery supported by I-X</b>															
13	Total "Going In" Capital Revenue Requirement															Line 5
14	Cumulative I-X increase from 2024															Line 10
15	Capital recovery supported through I-X															Line 13 + Line 14
16																
17	<b>STEP 4: Calculate K-Bar Revenue Requirements</b>															
18	4 (A) "K-Bar" annual rate base activity															
19																
20	K-Bar Additions															Page 4, Line 22
21	K-Bar Cost of Removal															Page 5, Line 22
22	K-Bar Retirements															Page 6, Line 22
23	K-Bar ADIT															Page 7, Line 22
24																
25	4 (B) Calculate cumulative "K-Bar" rate base															
26																
27	Gross Plant - Beginning	TY 2023	TY Pro Forma 2024	Bridge 2025	Bridge Jan-26	Bridge Feb-26	Bridge Mar-26	Bridge Apr-26	Bridge May-26	Bridge Jun-26	Bridge Jul-26	Bridge August 1, 2026	Bridge August 1, 2027	Bridge August 1, 2028		Line 30, Prior year
28	K-Bar Plant Additions															Line 20
29	K-Bar Retirements															Line 22
30	Gross Plant - Ending	Per COS														Sum of Lines 27 - 29
31																
32	Accumulated Depreciation - Beginning															Line 36, Prior year
33	Depreciation Expense															Line 47
34	Retirements															- Line 29
35	Cost of Removal															Line 21
36	Accumulated Depreciation - Ending	Per COS														Sum of Lines 32 - 35
37																
38	Net Plant (K-bar estimated)	Per COS														Line 30 + Line 36
39																
40	ADIT & All Other - Beginning															Line 42, Prior year
41	ADIT & All Other - K-bar activity															Line 23
42	ADIT & All Other - Ending	Per COS														Line 40 + Line 41
43																
44	ENDING K-BAR RATE BASE	Per COS														Line 30 + Line 36 + Line 42
45																
46	4 (C) Calculate "K-Bar" Capital Revenue Requirement															
47	Depreciation Expense	3.320%														(Avg line 34 current + prior year) * 3.320%
48	Pre-tax Return on Rate Base	9.482%														(Avg line 44 current + prior year) * 9.482%
49	Property Taxes	1.992%														(Avg line 38 prior year + year prior to prior year) * 1.992%
50	<b>Total "K-Bar" Capital Revenue Requirement</b>															
51																
52	<b>STEP 5: Calculate "K-Bar" Revenues</b>															
53	Capital recovery supported through I-X (from Step 3)															Line 15
54	Total "K-Bar" Capital Revenue Requirement (from Step 4)															Line 50
55	Revenue Deficit/(Surplus) = K-Bar Revenue															Line 54 + Line 53
56	Incremental Revenue Deficit/(Surplus) = K-Bar Revenue															Line 55 Current year - Prior year









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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 ILLUSTRATIVE PERFORMANCE-BASED RATE ADJUSTMENTS (PBRA)  
 Annual Inflation Percent Change (GDPPPI)

Line #		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
1	<u>GDP *</u>											
2	Q1	103.4	105.0	107.7	115.2	121.3	124.0	126.4	129.0	131.6	134.3	
3	Q2	103.9	104.7	109.3	117.7	121.8	124.7	127.1	129.7	132.3	134.9	
4	Q3	104.2	105.6	111.0	119.0	122.8	125.2	127.7	130.3	132.9	135.6	
5	Q4	104.6	106.3	112.9	120.1	123.3	125.7	128.4	131.0	133.6	136.3	
6	YE Avg	104.0	105.4	110.2	118.0	122.3	124.9	127.4	130.0	132.6	135.3	
7												
8	Annual GDP-PI % Change		1.35%	4.57%	7.06%	3.63%	2.13%	2.01%	2.05%	1.99%	2.01%	
9	Productivity Factor		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
10	Consumer Dividend (GDP-PI% > 2%)		0.00%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	-0.15%	0.00%	-0.15%	
11	Total, for use Aug 1 following year		1.35%	4.42%	6.91%	3.48%	1.98%	1.86%	1.90%	1.99%	1.86%	
12	Impose cap if GDP-PI > 5%		0.00%	0.00%	-2.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
13	Capped Total, for use Aug 1 following year		1.35%	4.42%	4.85%	3.48%	1.98%	1.86%	1.90%	1.99%	1.86%	
14												
15	* Forecast per Moody's, retrieved March 4, 2024											



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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
 ILLUSTRATIVE PERFORMANCE-BASED RATE ADJUSTMENTS (PBRA)  
 Test Year Capital-Related Revenue Requirement  
 (\$, Millions)

<u>Line #</u>	Description	Per DE 24-070 Test Year Pro Forma 12/31/2024	Reference
1	<u>Capital Costs:</u>		
2	Depreciation Expense	\$ 99	Attachment ES-REVREQ-1, Schedule ES-REVREQ-5, page 2
3	Pretax Return on Rate Base	176	Line 32
4	Subtotal	<u>\$ 275</u>	Line 2 + Line 3
5	Property Tax Expense	44	Attachment ES-REVREQ-1, Schedule ES-REVREQ-5, page 2
6	Total Capital Revenue Requirement	<u>\$ 319</u>	Line 4 + Line 5
7			
8	<u>Rate Base:</u>		
9	Utility Plant in Service	\$ 2,983	Attachment ES-REVREQ-1, Schedule ES-REVREQ-36
10	Reserve For Depreciation	(753)	Attachment ES-REVREQ-1, Schedule ES-REVREQ-36
11	Net Utility Plant In Service	<u>\$ 2,231</u>	Line 9 + Line 10
12	ADIT & All Other	(378)	Line 13 - Line 11
13	Rate Base	<u>\$ 1,852</u>	Attachment ES-REVREQ-1, Schedule ES-REVREQ-36
14			
15	Depreciation Expense	\$ 99	Line 1
16	Gross Plant	<u>2,983</u>	Line 9
17	Depreciation expense as % of gross plant	3.32%	Line 15 / Line 16
18			
19	Property Tax Expense	\$ 44	Line 5
20	Net Utility Plant In Service	<u>2,231</u>	line 11
21	Property tax expense as % of net plant	1.99%	Line 19 / Line 20
22			
23	Pre-tax Cost of Capital		
24	Weighted Costs of Capital		
25	Common Equity, after-tax	5.55%	Attachment ES-REVREQ-1, Schedule ES-REVREQ-40
26	Income Tax Gross-Up	<u>1.3685</u>	Attachment ES-REVREQ-1, Schedule ES-REVREQ-2
27	Common Equity, pre-tax	7.59%	Line 25 * Line 26
28	Short-Term Debt	0.00%	Attachment ES-REVREQ-1, Schedule ES-REVREQ-40
29	Long-term Debt	<u>1.89%</u>	Attachment ES-REVREQ-1, Schedule ES-REVREQ-40
30	Weighted cost of capital, pre-tax	9.48%	Sum of Lines 27 through 29
31	Rate Base	<u>\$ 1,852</u>	Attachment ES-REVREQ-1, Schedule ES-REVREQ-36
32	Pre-tax Return on Rate Base	<u>\$ 176</u>	Line 30 * Line 31

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ILLUSTRATIVE PERFORMANCE-BASED RATE ADJUSTMENTS (PBRA)  
 GDPPI Data  
 (\$, Millions)

**Source:**  
 Table 1.1.4. Price Indexes for Gross Domestic Product  
 [Index numbers, 2017=100] Seasonally adjusted  
 Bureau of Economic Analysis  
 Last Revised on: April 25, 2024 - Next Release Date May 30, 2024

**Source: Moody's Analytics**  
 Mnemonic: FPDGDP.IUSA  
 Description: Geography United States  
 Source: Description Baseline Scenario (February 2024); NIPA: Chain-Type Price Index - GDP; (Index 2017=100; SA)  
 Native Frequency: Source U.S. Bureau of Economic Analysis (BEA); Moody's Analytics Forecasted  
 Geography: Native Frequency QUARTERLY  
 Retrieved: 3/4/2024

Q1	2010	2010Q1	89.02
Q2	2010	2010Q2	89.43
Q3	2010	2010Q3	89.76
Q4	2010	2010Q4	90.27
Q1	2011	2011Q1	90.71
Q2	2011	2011Q2	91.36
Q3	2011	2011Q3	91.84
Q4	2011	2011Q4	91.95
Q1	2012	2012Q1	92.50
Q2	2012	2012Q2	92.88
Q3	2012	2012Q3	93.46
Q4	2012	2012Q4	93.87
Q1	2013	2013Q1	94.20
Q2	2013	2013Q2	94.47
Q3	2013	2013Q3	94.99
Q4	2013	2013Q4	95.48
Q1	2014	2014Q1	95.84
Q2	2014	2014Q2	96.34
Q3	2014	2014Q3	96.76
Q4	2014	2014Q4	96.80
Q1	2015	2015Q1	96.74
Q2	2015	2015Q2	97.30
Q3	2015	2015Q3	97.54
Q4	2015	2015Q4	97.53
Q1	2016	2016Q1	97.47
Q2	2016	2016Q2	98.11
Q3	2016	2016Q3	98.37
Q4	2016	2016Q4	98.88
Q1	2017	2017Q1	99.39
Q2	2017	2017Q2	99.66
Q3	2017	2017Q3	100.17
Q4	2017	2017Q4	100.78
Q1	2018	2018Q1	101.43
Q2	2018	2018Q2	102.14
Q3	2018	2018Q3	102.59
Q4	2018	2018Q4	103.01
Q1	2019	2019Q1	103.38
Q2	2019	2019Q2	103.88
Q3	2019	2019Q3	104.21
Q4	2019	2019Q4	104.57
Q1	2020	2020Q1	105.04
Q2	2020	2020Q2	104.66
Q3	2020	2020Q3	105.59
Q4	2020	2020Q4	106.33
Q1	2021	2021Q1	107.73
Q2	2021	2021Q2	109.33
Q3	2021	2021Q3	110.96
Q4	2021	2021Q4	112.86
Q1	2022	2022Q1	115.18
Q2	2022	2022Q2	117.70
Q3	2022	2022Q3	118.98
Q4	2022	2022Q4	120.12
Q1	2023	2023Q1	121.26
Q2	2023	2023Q2	121.79
Q3	2023	2023Q3	122.79
Q4	2023	2023Q4	123.29

Q1	2024	2024Q1	124.00
Q2	2024	2024Q2	124.65
Q3	2024	2024Q3	125.16
Q4	2024	2024Q4	125.73
Q1	2025	2025Q1	126.40
Q2	2025	2025Q2	127.07
Q3	2025	2025Q3	127.73
Q4	2025	2025Q4	128.39
Q1	2026	2026Q1	129.04
Q2	2026	2026Q2	129.68
Q3	2026	2026Q3	130.33
Q4	2026	2026Q4	130.97
Q1	2027	2027Q1	131.62
Q2	2027	2027Q2	132.26
Q3	2027	2027Q3	132.92
Q4	2027	2027Q4	133.58
Q1	2028	2028Q1	134.25
Q2	2028	2028Q2	134.92
Q3	2028	2028Q3	135.60
Q4	2028	2028Q4	136.29
Q1	2029	2029Q1	136.97
Q2	2029	2029Q2	137.65
Q3	2029	2029Q3	138.32
Q4	2029	2029Q4	138.99
Q1	2030	2030Q1	139.65
Q2	2030	2030Q2	140.32
Q3	2030	2030Q3	140.99
Q4	2030	2030Q4	141.66

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PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE

K-BAR ELIGIBLE CAPITAL

('000s)

	Forecast				Total 2025-2027	Reference
	Year 2025	Year 2026	Year 2027			
<b><u>DISTRIBUTION CAPITAL EXPENDITURES</u></b>						
<b>Operations Distribution</b>						
Peak Load Growth and New Business	\$ 64,163	\$ 77,347	\$ 76,399	\$ 217,909		
Basic Business Requirements	73,358	77,441	77,587	228,386		
Aging Infrastructure	122,222	104,511	96,667	323,400		
<b>Total Operations - Distribution</b>	<b>\$ 259,743</b>	<b>\$ 259,299</b>	<b>\$ 250,653</b>	<b>\$ 769,695</b>		Sum of Lines 14 through 16
<b>Other Distribution</b>						
Operation Services	\$ 15,133	\$ 15,429	\$ 15,291	\$ 45,853		
Engineering	6,518	6,920	14,620	28,058		
Facilities	14,500	21,000	7,800	43,300		
Information Technology	7,411	1,800	3,248	12,459		
Customer and All Other Shared Services	7,677	6,462	6,734	20,872		
<b>Total Other Distribution</b>	<b>\$ 51,239</b>	<b>\$ 51,611</b>	<b>\$ 47,692</b>	<b>\$ 150,542</b>		Sum of Lines 22 through 26
<b>TOTAL DISTRIBUTION CAPITAL EXPENDITURES</b>	<b>\$ 310,982</b>	<b>\$ 310,910</b>	<b>\$ 298,345</b>	<b>\$ 920,237</b>		Line 18 + Line 28
<b><u>K-BAR ELIGIBLE CAPITAL CALCULATION:</u></b>						
<b>Total K-Bar Eligible Distribution Capital Expenditures</b>	<b>\$ 310,982</b>	<b>\$ 310,910</b>	<b>\$ 298,345</b>	<b>\$ 920,237</b>		Line 30
Cumulative K-Bar Eligible Distribution Capital Expenditures	310,982	621,893	920,237	920,237		Sum of 2025 thru Current CY Line 35
10% Capital Constraint	31,098	62,189	92,024	92,024		Line 37 * 10%
<b>Total Capital Allowed for K-Bar Adjustment</b>	<b>\$ 342,081</b>	<b>\$ 684,082</b>	<b>\$ 1,012,261</b>	<b>\$ 1,012,261</b>		Line 37 + Line 39
Actual K-Bar Capital Investment In-Service (incl. COR)	\$ 284,952	\$ 310,184	\$ 317,000	\$ 912,136		Exh. ES-DPH-1 at 4 and 5, Column (A) Lines 10-12; CY Additions + CY COR
Cumulative K-Bar Capital Investment (incl. COR)	\$ 284,952	\$ 595,136	\$ 912,136	\$ 912,136		Sum of 2025 thru CY Line 43
<b>Actuals Higher Than Spending Constraint</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>		YES if Line 45 > Line 41
Investment Above Cap	\$ -	\$ -	\$ -	\$ -		Line 43 - Line 41 if cap is reached
<b>TOTAL ALLOWABLE K-BAR CAPITAL (CAPPED)</b>	<b>\$ 284,952</b>	<b>\$ 310,184</b>	<b>\$ 317,000</b>	<b>\$ 912,136</b>		Line 43 - Line 49
NOTE: For Informational Purposes Only						
Total <u>Actual</u> K-Bar Eligible Distribution Capital Expenditures	\$ -	\$ -	\$ -	\$ -		To be updated in Annual PBRA Filings
Total <u>Forecast</u> K-Bar Eligible Distribution Capital Expenditures	\$ 310,982	\$ 310,910	\$ 298,345	\$ 920,237		Line 40
Difference	\$ (310,982)	\$ (310,910)	\$ (298,345)	\$ (920,237)		Line 56 - Line 57

NOTE: Numbers may not add due to rounding.

**STATE OF NEW HAMPSHIRE**  
**before the**  
**PUBLIC UTILITIES COMMISSION**

**Public Service Company of New Hampshire**

**Request for Permanent Distribution Rates Change**  
**Docket No. DE 09-035**

**Certification of Exogenous Events**  
**Calendar Year 2011**

## **I. Introduction**

The Settlement Agreement on Permanent Distribution Service Rates (“Settlement Agreement”) approved by the Commission in the docket referenced above includes SECTION 12 titled EXOGENOUS EVENTS which states:

**12.1 During the term of this Settlement Agreement, PSNH will be allowed to adjust distribution rates upward or downward resulting from Exogenous Events, as defined below.**

Section 12 contains the following five specific exogenous events that could trigger a rate change:

12.2.1 State Initiated Cost Change

12.2.2 Federally Initiated Cost Change

12.2.3 Regulatory Cost Reassignment

12.2.4 Externally Imposed Accounting Rule Change

12.3 Excessive Inflation

Section 12.4 requires PSNH to file with the Commission, no later than March 31 of each year during the term of this Settlement Agreement, a Certification of Exogenous Events for the prior calendar year. This filing meets the certification obligation for 2011.

## **II. PSNH Certification of Exogenous Events in 2011**

After review, PSNH has determined that there were no exogenous events in 2011 related specifically to Sections 12.2.1, 12.2.2, 12.2.3, 12.2.4 or 12.3 that would trigger a rate adjustment in accordance with the Settlement Agreement.

### III. All rate impacts on July 1, 2012 related to the Settlement Agreement

In accordance with the Settlement Agreement, there will be a change to the Distribution rates effective July 1, 2012 for the step increase from the change in net plant balances between March 31, 2011 and March 31, 2012. PSNH's current best estimate of the total amount of the change, compared to the changes anticipated in Section 2.4 of the Settlement Agreement is shown below. We are providing this early in the process so that all interested parties have this information as to the future Distribution rate change. PSNH will be updating its estimate as more current financial information becomes available. The revenue requirement impact is as follows:

	<u>Estimate</u>	<u>Settlement</u>	<u>Difference</u>
	( millions of dollars)		
Step increase – Net plant	<u>\$6.5</u> (est.)	<u>\$9.5</u>	<u>\$(3.0)</u>

The \$6.5 million is an estimate using actual net plant balances as of December 31, 2011 and budgeted values as of March 31, 2012 in accordance with Section 5 of the Settlement Agreement. This value will be finalized using actual March 31, 2012 net plant values and will be filed with the Commission on or before April 30, 2012.

**STATE OF NEW HAMPSHIRE  
before the  
PUBLIC UTILITIES COMMISSION**

**Public Service Company of New Hampshire  
Request for Permanent Distribution Rates Change  
Docket No. DE 09-035**

**Certification of Exogenous Events  
Calendar Year 2012**

**I. Introduction**

The Settlement Agreement on Permanent Distribution Service Rates (“Settlement Agreement”) approved by the Commission in the docket referenced above includes SECTION 12 titled EXOGENOUS EVENTS which states:

**12.1 During the term of this Settlement Agreement, PSNH will be allowed to adjust distribution rates upward or downward resulting from Exogenous Events, as defined below.**

Section 12 contains the following five specific exogenous events that could trigger a rate change:

12.2.1 State Initiated Cost Change

12.2.2 Federally Initiated Cost Change

12.2.3 Regulatory Cost Reassignment

12.2.4 Externally Imposed Accounting Rule Change

12.3 Excessive Inflation

Section 12.4 requires PSNH to file with the Commission, no later than March 31 of each year during the term of this Settlement Agreement, a Certification of Exogenous Events for the prior calendar year. This filing meets the certification obligation for 2012.

**II. PSNH Certification of Exogenous Events in 2012**

After review, PSNH has determined that there were no exogenous events in 2012 related specifically to Sections 12.2.1, 12.2.2, 12.2.3, 12.2.4 or 12.3 that would trigger a rate adjustment in accordance with the Settlement Agreement.

### III. All rate impacts on July 1, 2013 related to the Settlement Agreement

In accordance with the Settlement Agreement, there will be a change to the Distribution rates effective July 1, 2013. This section provides the three categories that PSNH believes will require a change and PSNH's best estimate at this time as to the total amount of the change, compared to the changes anticipated in Section 2.6 of the Settlement Agreement. We are providing this early in the process so that all interested parties have this information relating to the future Distribution rate change. PSNH will be updating Items 2 and 3 below as more current financial information becomes available. The revenue requirement impacts are as follows:

	<u>Estimate</u>	<u>Settlement</u>	<u>Difference</u>
	(millions of dollars)		
1. Step 2 of REP plant	\$ 1.6	\$ 1.6	\$ 0.0
2. Step increase – Net plant	6.5 (est.)	9.5	(3.0)
3. MSCR increase	5.0	0.0	5.0
Total July 1, 2013 rate change	<u>\$ 13.1 (est.)</u> ===	<u>\$ 11.1</u> ===	<u>\$ 2.0</u> =====

Item Number in the chart above:

1. The \$1.6 million complies with Section 5 of the Settlement Agreement and is a firm amount.
2. The \$6.5 million is an estimate using actual net plant in service balances as of December 31, 2012 and budgeted values as of March 31, 2013 in accordance with Section 5 of the Settlement Agreement. This value will be finalized using actual March 31, 2013 net plant in service and will be filed with the Commission on or before April 30, 2013.
3. The \$5.0 million represents a proposed increase to the Major Storm Cost Reserve (MSCR) to take into consideration the costs incurred during the October 2012 Storm Sandy and costs PSNH has incurred for pre-staging for three storms. An increase to the MSCR is in compliance with Section 7.3 of the Settlement Agreement. Additional details will be filed with the Commission in the filing showing actual net plant in service.

**STATE OF NEW HAMPSHIRE  
before the  
PUBLIC UTILITIES COMMISSION**

**Public Service Company of New Hampshire  
Request for Permanent Distribution Rates Change  
Docket No. DE 09-035**

**Certification of Exogenous Events  
Calendar Year 2013**

**I. Introduction**

The Settlement Agreement on Permanent Distribution Service Rates (“Settlement Agreement”) approved by the Commission in the docket referenced above includes SECTION 12 titled EXOGENOUS EVENTS which states:

**12.1 During the term of this Settlement Agreement, PSNH will be allowed to adjust distribution rates upward or downward resulting from Exogenous Events, as defined below.**

Section 12 contains the following five specific exogenous events that could trigger a rate change:

12.2.1 State Initiated Cost Change

12.2.2 Federally Initiated Cost Change

12.2.3 Regulatory Cost Reassignment

12.2.4 Externally Imposed Accounting Rule Change

12.3 Excessive Inflation

Section 12.4 requires PSNH to file with the Commission, no later than March 31 of each year during the term of this Settlement Agreement, a Certification of Exogenous Events for the prior calendar year. This filing meets the certification obligation for 2013.

**II. PSNH Certification of Exogenous Events in 2013**

After review, PSNH has determined that there were no exogenous events in 2013 related specifically to Sections 12.2.1, 12.2.2, 12.2.3, 12.2.4 or 12.3 that would trigger a rate adjustment in accordance with the Settlement Agreement.





780 N. Commercial Street  
P.O. Box 330  
Manchester, NH 03105-0330

**Matthew J. Fossum**  
Senior Counsel

603-634-2961  
matthew.fossum@eversource.com

March 31, 2015

Debra A. Howland  
Executive Director  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

PUC MAR31 '15 PM 3:40

RE: DE 09-035, Public Service Company of New Hampshire d/b/a Eversource Energy  
Distribution Service Rate Case  
Certification of Exogenous Events for 2014

Dear Director Howland:


The Settlement Agreement on Permanent Distribution Service Rates (“Settlement Agreement”) for Public Service Company of New Hampshire d/b/a Eversource Energy (“Eversource”) and approved by the Commission in the docket referenced above includes Section 12 titled EXOGENOUS EVENTS. That section provides that during the term of the Settlement Agreement, Eversource would be permitted to adjust its distribution rates upward or downward resulting from Exogenous Events, which were described as:

- 12.2.1 State Initiated Cost Change
- 12.2.2 Federally Initiated Cost Change
- 12.2.3 Regulatory Cost Reassignment
- 12.2.4 Externally Imposed Accounting Rule Change
- 12.3 Excessive Inflation

Section 12.4 of the Settlement Agreement requires Eversource to file with the Commission, no later than March 31 of each year, a certification of Exogenous Events for the prior calendar year. This filing meets the certification obligation for 2014. After review, Eversource has determined that there were no exogenous events in 2014 related specifically to Sections 12.2.1, 12.2.2, 12.2.3, 12.2.4 or 12.3 that would trigger a rate adjustment in accordance with the Settlement Agreement.

Thank you for your assistance with this matter. Please do not hesitate to contact me with any questions.

Very truly yours,



Matthew J. Fossum  
Senior Counsel

Cc: Service List



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P.O. Box 330  
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March 31, 2016

Debra A. Howland  
Executive Director  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

JC MAR31'16 PM 4:28

RE: Docket Nos. DE 09-035, DE 11-250, and DE 14-238  
Public Service Company of New Hampshire d/b/a Eversource Energy  
Certification of Exogenous Events

Dear Director Howland:

The 2015 Public Service Company of New Hampshire Restructuring and Rate Stabilization Agreement (the "Settlement") pending approval by the Commission in the above-referenced dockets contains a provision relating to Exogenous Events. In particular, the Settlement provides, at Section III.G, that Public Service Company of New Hampshire d/b/a Eversource Energy ("PSNH") will be permitted, upon Commission approval, to adjust its distribution rates upward or downward as a result of certain defined Exogenous Events. Those events fall into four categories, specifically.

- III.G.1 State Initiated Cost Change
- III.G.2 Federally Initiated Cost Change
- III.G.3 Regulatory Cost Reassignment
- III.G.4 Externally Imposed Accounting Rule Change

Section III.G requires PSNH to file with the Commission, no later than March 31<sup>st</sup> of each year during the term of the Settlement, a Certification of Exogenous Events for the prior calendar year. After review, PSNH has determined that there were no exogenous events in 2015 related specifically to the above sections of the Settlement that would trigger a rate adjustment and, through the enclosed submission, PSNH certifies that there were no such events.

Thank you for your assistance with this matter. Please do not hesitate to contact me with any questions.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Matthew J. Fossum".

Matthew J. Fossum  
Senior Counsel

Enclosure  
Cc: Service List

**STATE OF NEW HAMPSHIRE  
before the  
PUBLIC UTILITIES COMMISSION**

**Public Service Company of New Hampshire dba Eversource Energy**

**Request for Permanent Distribution Rates Change  
Docket No. DE 09-035 / DE 11-250 / DE 14-238**

**Certification of Exogenous Events  
Calendar Year 2015**

## **I. Introduction**

The 2015 Public Service Company of New Hampshire Restructuring and Rate Stabilization Agreement (“Settlement Agreement”) pending approval by the Commission in the dockets referenced above includes SECTION III.G titled EXOGENOUS EVENTS which states:

**III.G During the term of this Settlement Agreement, PSNH dba Eversource Energy will be allowed upon Commission approval to adjust distribution rates upward or downward as a result of Exogenous Events, as defined below.**

Section III.G contains the following four specific exogenous events that could trigger a rate change:

III.G.1 State Initiated Cost Change

III.G.2 Federally Initiated Cost Change

III.G.3 Regulatory Cost Reassignment

III.G.4 Externally Imposed Accounting Rule Change

Section III.G requires PSNH dba Eversource Energy to file with the Commission, no later than March 31<sup>st</sup> of each year during the term of this Settlement Agreement, a Certification of Exogenous Events for the prior calendar year. This filing meets the certification obligation for 2015.

## **II. PSNH dba Eversource Energy Certification of Exogenous Events in 2015**

After review, PSNH dba Eversource Energy has determined that there were no exogenous events in 2015 related specifically to Sections III.G.1, III.G.2, III.G.3, or III.G.4 that would trigger a rate adjustment in accordance with the Settlement Agreement.



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**Matthew J. Fossum**  
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**NHPUC 31MAR'17PM3:49**

March 31, 2017

Debra A. Howland  
Executive Director  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

RE: Docket Nos. DE 09-035, DE 11-250, and DE 14-238  
Public Service Company of New Hampshire d/b/a Eversource Energy  
Certification of Exogenous Events

Dear Director Howland:

The 2015 Public Service Company of New Hampshire Restructuring and Rate Stabilization Agreement (the "Settlement"), approved by the Commission in Order No. 25,920 (July 1, 2016), contains a provision relating to Exogenous Events. In particular, the Settlement provides, at Section III.G, that Public Service Company of New Hampshire d/b/a Eversource Energy ("PSNH") will be permitted, upon Commission approval, to adjust its distribution rates upward or downward as a result of certain defined Exogenous Events. Those events fall into four categories, specifically:

- III.G.1 State Initiated Cost Change
- III.G.2 Federally Initiated Cost Change
- III.G.3 Regulatory Cost Reassignment
- III.G.4 Externally Imposed Accounting Rule Change

Section III.G requires PSNH to file with the Commission, no later than March 31<sup>st</sup> of each year during the term of the Settlement, a Certification of Exogenous Events for the prior calendar year. After review, PSNH has determined that there were no exogenous events in 2016 related specifically to the above sections of the Settlement that would trigger a rate adjustment and, through the enclosed submission, PSNH certifies that there were no such events.

Thank you for your assistance with this matter. Please do not hesitate to contact me with any questions.

Very truly yours,

A handwritten signature in black ink, appearing to read "Matthew J. Fossum", with a horizontal line extending to the right.

Matthew J. Fossum  
Senior Counsel

Enclosure  
Cc: Service List

**STATE OF NEW HAMPSHIRE**  
**before the**  
**PUBLIC UTILITIES COMMISSION**

**Public Service Company of New Hampshire dba Eversource Energy**

**Request for Permanent Distribution Rates Change**  
**Docket No. DE 09-035 / DE 11-250 / DE 14-238**

**Certification of Exogenous Events**  
**Calendar Year 2016**

**I. Introduction**

The Settlement Agreement on Permanent Distribution Service Rates (“Settlement Agreement”) approved by the Commission in the docket referenced above includes SECTION 12 titled EXOGENOUS EVENTS which states:

**12.1 During the term of this Settlement Agreement, PSNH dba Eversource Energy will be allowed to adjust distribution rates upward or downward resulting from Exogenous Events, as defined below.**

Section 12 contains the following five specific exogenous events that could trigger a rate change:

12.2.1 State Initiated Cost Change

12.2.2 Federally Initiated Cost Change

12.2.3 Regulatory Cost Reassignment

12.2.4 Externally Imposed Accounting Rule Change

12.3 Excessive Inflation

Section 12.4 requires PSNH dba Eversource Energy to file with the Commission, no later than March 31 of each year during the term of this Settlement Agreement, a Certification of Exogenous Events for the prior calendar year. This filing meets the certification obligation for 2016.

**II. PSNH dba Eversource Energy Certification of Exogenous Events in 2016**

After review, PSNH dba Eversource Energy has determined that there were no exogenous events in 2016 related specifically to Sections 12.2.1, 12.2.2, 12.2.3, 12.2.4 or 12.3 that would trigger a rate adjustment in accordance with the Settlement Agreement.

Excluding Planned Outages					
Year	Actual SAIDI Perf.	5-Year Rolling Average	5-Year Rolling (2 Standard Deviations)	Min Target	Max Target
2012	141.3				
2013	136.0				
2014	120.0				
2015	102.8				
2016	132.1				
2017	108.5	126.4	30.7	95.7	157.2
2018	107.5	119.9	28.8	91.1	148.7
2019	68.9	114.2	23.7	90.5	137.9
2020	85.5	104.0	45.3	58.6	149.3
2021	83.8	100.5	48.3	52.2	148.8
2022	71.9	90.8	33.9	56.9	124.7
2023	74.4	83.5	30.5	53.1	114.0
2024	TBD	76.9	14.7	62.2	91.6

Including Planned Outages					
Year	Actual SAIDI Perf.	5-Year Rolling Average	5-Year Rolling (2 Standard Deviations)	Min Target	Max Target
2012	141.8				
2013	137.3				
2014	122.8				
2015	106.1				
2016	140.7				
2017	118.6	129.7	30.5	99.2	160.2
2018	119.9	125.1	28.3	96.8	153.4
2019	82.6	121.6	24.9	96.8	146.5
2020	95.8	113.6	42.6	71.0	156.2
2021	96.8	111.5	45.3	66.2	156.9
2022	78.8	102.7	32.2	70.6	134.9
2023	83.7	94.8	32.2	62.5	127.0
2024	TBD	87.5	16.4	71.1	104.0

Excluding Planned Outages					
Year	Actual MBI Perf.	5-Year Rolling Average	5-Year Rolling (2 Standard Deviations)	Min Target	Max Target
2012	10.4				
2013	10.8				
2014	9.8				
2015	11.8				
2016	9.1				
2017	12.5	10.4	2.0	8.3	12.4
2018	13.3	10.8	2.8	8.0	13.6
2019	21.5	11.3	3.6	7.7	14.9
2020	17.5	13.6	9.3	4.3	23.0
2021	17.9	14.8	9.6	5.2	24.4
2022	20.7	16.5	7.4	9.2	23.9
2023	20.8	18.2	6.5	11.7	24.6
2024	TBD	19.7	3.7	16.0	23.4

Including Planned Outages					
Year	Actual MBI Perf.	5-Year Rolling Average	5-Year Rolling (2 Standard Deviations)	Min Target	Max Target
2012	9.9				
2013	10.4				
2014	9.6				
2015	11.4				
2016	8.6				
2017	10.8	10.0	2.1	7.9	12.0
2018	11.2	10.2	2.2	8.0	12.3
2019	16.2	10.3	2.4	7.9	12.7
2020	14.9	11.6	5.6	6.1	17.2
2021	14.4	12.3	6.3	6.1	18.6
2022	17.7	13.5	4.8	8.7	18.3
2023	16.2	14.9	4.8	10.0	19.7
2024	TBD	15.9	2.6	13.3	18.5

**REDACTED**

IEEE DRWG SAIDI Results			
Northeast & Mid-Atlantic Peers Excluding Planned Outages			
Company_Code	2020	2021	2022
[REDACTED]			



# Rule 002

## Service Quality and Reliability Performance Monitoring and Reporting for Owners of Electric Distribution Systems and for Gas Distributors

This rule as amended was approved by the Alberta Utilities Commission on December 16, 2020, and is effective on December 17, 2020.

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## 1 General provisions

### 1.1 Rule application

This rule creates standards for the quality of service provided by owners of electric distribution systems that qualify as “electric utilities” as defined in the *Electric Utilities Act* S.A. 2003, c. E-5.1 (*Electric Utilities Act*) and gas distributors as defined in the *Gas Utilities Act* R.S.A. 2000, c. G-5 (*Gas Utilities Act*). Quality of service reporting for regulated rate providers and default supply providers, as defined in the *Electric Utilities Act* and *Gas Utilities Act*, respectively, is performed in accordance with AUC Rule 003: *Service Quality and Reliability Performance Monitoring and Reporting for Regulated Rate Providers and Default Supply Providers* (Rule 003). Stakeholders are cautioned that, under some circumstances, a given entity may have reporting obligations under both AUC Rule 002: *Service Quality and Reliability Performance Monitoring and Reporting for Owners of Electric Distribution Systems and for Gas Distributors* (Rule 002) and Rule 003.

This rule sets minimum service standards for distribution system owners subject to its application. Nothing in this rule is to be construed as relieving owners of other service quality obligations as set out in other applicable statutes, regulations or AUC rules.

### 1.2 Definitions

In this rule,

- (a) “business day” means any day other than Saturday, Sunday or a statutory holiday in Alberta, except for Easter Monday
- (b) “Commission” means the Alberta Utilities Commission
- (c) “electric distribution system” has the meaning ascribed to the term in the *Electric Utilities Act*
- (d) “gas distributor” has the meaning ascribed to the term in the *Gas Utilities Act*
- (e) “ISO” means the Independent System Operator as defined in the *Electric Utilities Act*
- (f) “MDM” means meter data manager as defined in AUC Rule 021: *Settlement System Code Rules*
- (g) “owner” means an owner of an electric distribution system or a gas distributor
- (h) “Rule 002 annual report” means the reporting of service quality and reliability performance, as detailed in this rule, prepared and submitted annually in accordance with Section 2
- (i) “Rule 002 six-month report” means the reporting of service quality and reliability performance metrics, as detailed in this rule, prepared and submitted on July 31 each year in accordance with Section 2

## 2 Measurement and reporting protocol

For the purpose of collecting data and reporting on performance as required in Section 4 or Section 5, the owner must comply with the information filing requirements set out in this Section 2.

Prior to implementing any change to the owner's internal reporting methods or the data provided by that methodology that may impact its ability to comply with this Rule 002, the owner must provide to the Commission, for its review, an explanation for the change.

### 2.1 Rule 002 six-month and annual reports

- (1) A Rule 002 six-month report shall be submitted to the Commission by July 31 each year. The six-month report shall contain all service quality measures prescribed in this rule for the applicable period, except where the information is only required to be provided in an annual report, as described below.
- (2) A Rule 002 annual report, consisting of an accumulation of the quantitative data along with qualitative information for that year, must be filed by the last day of February following the end of the calendar year.
- (3) Rule 002 six-month and annual reports shall be created using the AUC templates, available on the Rule 002 webpage at [www.auc.ab.ca](http://www.auc.ab.ca).
- (4) A letter or document explaining any trends, corrective action plans and reasons for variances from standards, including a failure to meet a standard, must accompany the reports in (1) and (2).

### 2.2 Backups and missing data

- (1) Owners must retain any backup documentation for its Rule 002 reports for a minimum of 24 months after the results are reported. This information must be provided to the Commission upon request.
- (2) Owners must report missing data or other factors that could reasonably be expected to affect the overall data quality immediately after becoming aware of such circumstances.

### 2.3 Unexpected events

When an unexpected event occurs, the owner must, using all reasonable efforts, notify the Commission within one business day, and in any event, no later than three business days, of becoming aware of the event.

### 2.4 Material changes to business practices

The owner must notify the Commission of any proposed material change to the owner's internal business practices that would have an impact on service quality and reliability monitoring or performance to customers and provide an explanation for the proposed change prior to implementing such a change.

### 3 Categories of metrics

This section establishes categories for the service standards and measurements provided for under this rule. Each service quality standard and measurement belongs to one of the three following performance categories:

- (1) Category A service standard
- (2) Category B service standard
- (3) Report-only measurement

Category A service standards represent the most important aspects of service quality to the majority of customers and other stakeholders. Typically, Category A measurements represent the service quality provided to customers on a system-wide basis; the consequences of failing to meet Category A standards have a great impact on all customers and stakeholders.

Category B service standards are important to individual customers or groups of customers as opposed to an entire distribution system. Failing to meet Category B standards may greatly impact certain customers or stakeholders.

Report-only measurements are metrics for which there are no established targets. Their purpose is to provide data for use in establishing future targets, or to provide the Commission with additional information and transparency about owners' operations as they relate to Category A and Category B service standards.

For each metric in this rule, the category to which it belongs is identified along with a description of the applicable service standard or the measurement.

4 Measurements of performance and service quality standards for owners of electric distribution systems

This section establishes the measurements of performance and service quality standards to be met by owners of electric distribution systems. It outlines the information required by the Commission in order to accomplish its regulatory function with respect to service quality standards as provided for under this rule.

4.1 Billing and meter reading performance measures

4.1.1 Monthly billing and meter reading performance

Category	Category B
Reporting frequency	Rule 002 six-month and annual reports
Service standard	Annual average of monthly percentages of sites not read $\leq$ 10 per cent

- (1) Owners must identify the number of sites that have been assigned a meter reading and billing cycle as of month end (total sites). The total sites should match the number of sites in the month-end version of the owner's site cycle catalogue file. (See Section 4 of AUC Rule 004: *Alberta Tariff Billing Code* (Rule 004) for more information about the site cycle catalogue file).
- (2) Owners shall report the number of sites billed sometime in the month (sites billed) and the number of sites not billed (sites not billed), and the aggregate of these two amounts should equal the total sites. Owners shall provide the number of sites that fall into the following category for sites billed:
  - (a) Cumulative metered energized sites without actual meter readings provided to parties in accordance with Section 10 of Rule 021.

*Method of calculation of performance:*

$$\text{Percentage of sites not read} = [(a) \div \text{sites billed}] \times 100$$

4.1.2 Cumulative meters not read within six months, and not read within one year

Category	Report-only measurement
Reporting frequency	Rule 002 six-month and annual reports

- (1) Owners shall report the number of sites that have not had their meters read within six months.
- (2) Owners shall report the number of sites that have not had their meters read within one year. In doing so, owners must also report the reason(s) why the meters were not read and the course(s) of action the owner will take to get the meters read and ensure that the situation does not occur again in the future.

#### 4.2 Work completion performance measures

Category	Report-only measurement
Reporting frequency	Rule 002 six-month and annual reports

(1) Owners must track and report the following metrics for energize request transactions (ENRs) and energize completion transactions (ENCs) described in Section 9 of Rule 021:

- (a) Time taken (in days, on average for the month) from the date the owner creates an order in its system for the energization, to the date the site is energized.
- (b) End-to-end time taken (in days, on average for the month) from the date of receipt of request to perform the work (from the retailer), to the date the response is sent back to the retailer that the work has been successfully completed. The starting and ending times for this measurement are the time stamps given to the transactions (ENRs and ENCs) in the owner's system.
- (c) Total number of completed energizations per month.

(2) Owners must track and report the following for de-energize request transactions (DER) and de-energize completion transactions (DEC) described in Section 9 of Rule 021:

- (a) Time taken (in days, on average for the month) from the date the owner creates an order in its system for the de-energization, to the date the site is de-energized.
- (b) End-to-end time taken (in days, on average for the month) from the date of receipt of request to perform the work (from the retailer), to the date the response is sent back to the retailer that the work has been successfully completed. The starting and ending times for this measurement are the time stamps given to the transactions (DERs and DEC)s in the owner's system.
- (c) Total number of completed de-energizations per month.

#### 4.3 Worker safety performance measures

##### 4.3.1 All injury/illness frequency rate

Category	Report-only measurement
Reporting frequency	Rule 002 annual reports only

(1) Owners shall report the annual numbers for the following (as defined by the Canadian Electricity Association (CEA)):

- (a) lost time injuries
- (b) medical treatment injuries
- (c) fatalities
- (d) exposure hours

#### 4.3.2 Motor vehicle incident frequency

Category	Report-only measurement
Reporting frequency	Rule 002 annual reports only

(1) Owners shall report the annual number of recordable motor vehicle incidents (as defined by the CEA) and the annual number of actual kilometres driven by corporate fleet vehicles.

#### 4.4 Interruption duration and frequency

Owners shall report system average interruption frequency index (SAIFI) and system average interruption duration index (SAIDI) to measure electric distribution system performance and reliability. Two versions of those metrics must be reported: (1) with major events included and (2) with major events excluded. When determining which major events to exclude, the owner shall use the following methodology:

- (1) A major event day is a day in which daily SAIDI exceeds a threshold value  $T_{MED}$ .
- (2) In calculating daily SAIDI, interruption durations that extend into subsequent days accrue to the day on which the interruption begins. This technique simplifies calculations and ties the customer-minutes of interruption to the instigating event.
- (3) The major event day identification threshold value  $T_{MED}$  is calculated at the end of each reporting period for use during the next reporting period. For utilities that have six years of reliability data, the first five are used to determine  $T_{MED}$  and that threshold is applied during the sixth year. The methodology follows:
  - (a) Values of daily SAIDI for a number of sequential years, ending on the last day of the last complete reporting period, are collected. Consistency of future results is enhanced if five or six years of data are used, but, if fewer than five years of historical data are available, all of the available complete year, historical data should be used. Use of more than six years of data may distort the effects of major events and minimize the impact of the analysis.
  - (b) Only those days that have a SAIDI/day value will be used to calculate  $T_{MED}$  (do not include days that did not have any interruptions).
  - (c) The natural logarithm ( $\ln$ ) of each daily SAIDI value in the data set is calculated.



- (d) The average of the logarithms,  $\alpha$  (Alpha), (also known as the log-average) of the data set is calculated.
- (e) The standard deviation of the logarithms,  $\beta$  (Beta), (also known as the log-standard deviation) of the data set is calculated.
- (f) The major event day threshold,  $T_{MED}$ , is calculated by using the equation:

$$T_{MED} = e^{(\alpha + 2.5\beta)}$$

- (g) Any day that occurs during the subsequent reporting period with daily SAIDI greater than the threshold value  $T_{MED}$  is designated a major event day. The data for this day should be removed when calculating SAIFI and SAIDI with major events excluded.

#### 4.4.1 System average interruption frequency index (SAIFI)

Category	Category A
Reporting frequency	Rule 002 annual reports only
Service standard	See Appendix A for SAIFI and SAIDI service standards for owners of electric distribution systems subject to this rule

- (1) This measure pertains to distribution-related interruptions and represents the average number of times that a customer experiences an interruption.
- (2) Owners must report SAIFI both with and without major events. Annual numbers must be provided to two decimal places as part of the Rule 002 annual report.

$$SAIFI = (\sum \text{number of customer services interrupted}) \div \text{total customers served}$$

Where:

$\sum$  = Summation, for all interruptions in a year

A customer is defined as a metered service.

Total customers served = The average number of customers served by the owner.

Interruption = An interruption is the loss of service for a duration of one minute or longer to one or more customers and is the result of one or more component outages.

#### 4.4.2 System average interruption duration index (SAIDI)

Category	Category A
Reporting frequency	Rule 002 annual reports only
Service standard	See Appendix A for SAIFI and SAIDI service standards for owners of electric distribution systems subject to this rule

- (1) This measure also pertains to distribution-related interruptions and represents the amount of time in total the average customer experiences interruptions throughout the year.
- (2) Owners must report SAIDI both with and without major events. Annual numbers must be provided to two decimal places as part of the Rule 002 annual report.

$$SAIDI = (\sum(customer\ services\ interrupted\ x\ period\ of\ interruption\ in\ hours)) \div total\ customers\ served$$

Where:

$\sum$  = Summation, for all interruptions in a year

A customer is defined as a metered service.

Total customers served = The average number of customers served by the owner.

Interruption = An interruption is the loss of service for a duration of one minute or longer to one or more customers and is the result of one or more component outages.

#### 4.4.3 SAIDI of worst-performing circuits on the system

Category	Report-only measurement
Reporting frequency	Rule 002 annual reports only

- (1) Owners must identify, for each calendar year, the worst-performing circuits on its systems. Worst-performing circuits shall be determined by comparing annual unplanned SAIDI results for each of its circuits. The three per cent of the circuits with the highest SAIDI values shall be considered the worst-performing circuits and shall be reported in the Rule 002 annual report. Owners must identify the factors underlying the poor performance of these circuits and describe the actions that are being considered or have been implemented to improve the reliability of these circuits as part of the Rule 002 annual report.
- (2) Owners must also report the SAIDI values for each of the worst-performing circuits.
- (3) All circuits that were once identified, according to this metric, as a worst-performing circuit must be monitored for five years once they are no longer a worst-performing circuit to determine the effectiveness of the improvement measures and to identify further measures that may be required.
- (4) Owners must also report, for each circuit that was once a worst-performing circuit, its current SAIDI value and report the last calendar year that the circuit appeared in the worst-performing circuit list.

#### 4.5 Customer satisfaction measures

Category	Category A
Reporting frequency	Rule 002 annual reports only
Service standard	75 per cent or greater of the customers surveyed are satisfied (respond positively)

- (1) Owners must measure the level of customer satisfaction.
- (2) An owner is encouraged to include in its Rule 002 annual report the matters set out below. Explain how your organization:
  - (a) surveys customers:
    - (i) type of survey (e.g., transaction, random)
    - (ii) method of surveying (e.g., telephone, email, web)
    - (iii) issues canvassed
    - (iv) nature of response (e.g., ranking on a scale, yes/no, open-ended)
    - (v) frequency of survey
    - (vi) number of customers surveyed
    - (vii) response rate
  - (b) measures customer satisfaction success internally to achieve a minimum 75 per cent target
  - (c) identifies and evaluates the top three areas for improvement received from customer surveys

#### 5 Performance categories and standards for gas distributors

This section establishes the measurements of performance and service standards to be met by gas distributors. This section also outlines the information required by the Commission for it to accomplish its regulatory function with respect to service standards as provided for under this rule.

5.1 Billing and meter reading performance measures

5.1.1 Monthly billing and meter reading performance

Category	Category B
Reporting frequency	Rule 002 six-month and annual reports
Service standard	See Appendix B for Alberta gas distributors' monthly meter reading service standards

(1) Owners shall report the total number of sites each month that fall into each of the following categories:

- (a) De-energized sites.
- (b) Cumulative metered energized sites with actual meter readings obtained by the MDM and provided to parties in accordance with Section 9 of AUC Rule 028: *Natural Gas Settlement System Code Rules* (Rule 028) (as opposed to customer reads or actual reads not provided to parties in accordance with that section).
- (c) Cumulative metered, energized sites with AMR devices, without actual meter readings provided to parties in accordance with Section 9 of Rule 028.
- (d) Cumulative metered, energized sites without AMR devices, without actual meter readings provided to parties in accordance with Section 9 of Rule 028.
- (e) Cumulative metered, energized sites without AMR devices, without actual meter readings provided to parties in accordance with Section 9 of Rule 028 where an AMR device was refused by the customer.

*Method of calculation of performance:*

$$\text{Percentage of meters read each month} = [(b) \div ((b)+(c)+(d))] \times 100$$

5.1.2 Cumulative meters not read within six months, and not read within one year

Category	Report-only measurement
Reporting frequency	Rule 002 six-month and annual reports

- (1) Owners shall report the number of sites that have not had their meters read within six months.
- (2) Owners shall report the number of sites that have not had their meters read within one year. The owner must also report the reason(s) why the meters were not read and the course(s) of action the owner will take to get the meters read and ensure that the situation does not occur again in the future.

5.2 Work completion performance measures

Category	Report-only measurement
Reporting frequency	Rule 002 six-month and annual reports

- (1) Owners must track and report the number of completed energizations and completed de-energizations per month.
- (2) Owners must track and report the following for de-energize request transactions (DER) and de-energize completion transactions (DEC) described in Section 8 of Rule 028:
  - (a) Time taken (in days, on average for the month) from the date the owner creates an order in its system for the de-energization, to the date the site is de-energized.
  - (b) End-to-end time taken (in days, on average for the month) from the date of receipt of request to perform the work (from the retailer), to the date the response is sent back to the retailer that the work has been successfully completed. The starting and ending times for this measurement are the time stamps given to the transactions (DERs and DEC)s in the owner's system.

5.3 Worker safety performance measures

5.3.1 All injury/illness frequency rate

Category	Report-only measurement
Reporting frequency	Rule 002 annual reports

- (1) Owners shall report the following metrics in accordance with the formulas and definitions historically used by the owner:
  - (a) lost time injuries
  - (b) medical treatment injuries
  - (c) fatalities
  - (d) total hours worked

5.3.2 Motor vehicle incident frequency

Category	Report-only measurement
Reporting frequency	Rule 002 annual reports

- (1) Owners shall report the annual number of recordable motor vehicle incidents and the annual number of actual kilometres driven by corporate fleet vehicles (as per the definitions used by the Canadian Gas Association).

#### 5.4 Customer satisfaction measures

Category	Category A
Reporting frequency	Rule 002 annual reports only
Service standard	75 per cent or greater of the customers surveyed are satisfied (respond positively)

- (1) Owners must measure the level of customer satisfaction.
- (2) An owner is encouraged to include in its Rule 002 annual report the matters set out below. Explain how your organization:
- (a) surveys customers:
    - (i) type of survey (e.g., transaction, random)
    - (ii) method of surveying (e.g., telephone, email, web)
    - (iii) issues canvassed
    - (iv) nature of response (e.g., ranking on a scale, yes/no, open-ended)
    - (v) frequency of survey
    - (vi) number of customers surveyed
    - (vii) response rate
  - (b) measures customer satisfaction success internally to achieve a minimum 75 per cent target
  - (c) identifies and evaluates the top three areas for improvement received from customer surveys

#### 5.5 Customer appointments

Category	Category B
Reporting frequency	Rule 002 six-month and annual reports
Service standard	See Appendix C for Alberta gas distributors' customer appointments service standards

(1) Owners shall report the following monthly information:

- (a) Number of pre-arranged appointments with customers.
- (b) Number of appointments met within the pre-arranged time period.

*Method of calculation of performance:*

*Percentage of appointments met = [(b) ÷ (a)] x 100*

**5.6 Emergency response time**

Category	Category A
Reporting frequency	Rule 002 six-month and annual reports
Service standard	See Appendix D for Alberta gas distributors' emergency response service standards

(1) Owners shall report on the monthly percentage of emergencies responded to within the time frame specified in Appendix D. The response time shall be calculated as the time between when the owner receives notification of the emergency and when the owner's first representative arrives at the site of the emergency. The types of emergencies included within this metric are:

- (a) fire or explosion
- (b) blowing gas
- (c) gas leaks or odours
- (d) asphyxiation
- (e) carbon monoxide
- (f) emergency provider assistance

*Method of calculation of performance:*

*Percentage of emergencies responded to within X minutes = [the total number of emergency calls responded to in X minutes or less ÷ the total number of emergency calls] x 100*

**5.7 Call answering service level**

Category	Category B
Reporting frequency	Rule 002 six-month and annual reports
Service standard	See Appendix E for Alberta gas distributors' call answering service standards

- (1) Owners shall report the monthly percentage of all calls reaching an agent that are answered within 30 seconds from the time the call is queued up awaiting an agent through the auto-attendant system or that are answered within 30 seconds from when the phone begins ringing when there is no auto-attendant system in place.

*Method of calculation of performance:*

*Percentage of all calls reaching an agent within 30 seconds = [the number of calls reaching an agent within 30 seconds ÷ the number of calls reaching an agent] x 100*



**Appendix A – SAIFI and SAIDI service standards for owners of electric distribution systems subject to this rule**

Owner of electric distribution system	Maximum SAIFI excluding major events	Maximum SAIDI excluding major events
ATCO Electric Ltd.	2.40 or less	6.30 or less
ENMAX Power Corporation	1.03 or less	0.55 or less
EPCOR Distribution & Transmission Inc.	1.50 or less	1.15 or less
FortisAlberta Inc.	2.30 or less	4.28 or less

**Appendix B – Alberta gas distributors’ monthly meter reading service standards**

Gas distributor	Annual average of percentage of meters read each month
ATCO Gas	90 per cent or greater
Apex Utilities Inc.	80 per cent or greater

**Appendix C – Alberta gas distributors’ customer appointments service standards**

Gas distributor	Percentage of appointments met (calculated as an annual average of monthly results)
ATCO Gas	95 per cent or greater
Apex Utilities Inc.	80 per cent or greater

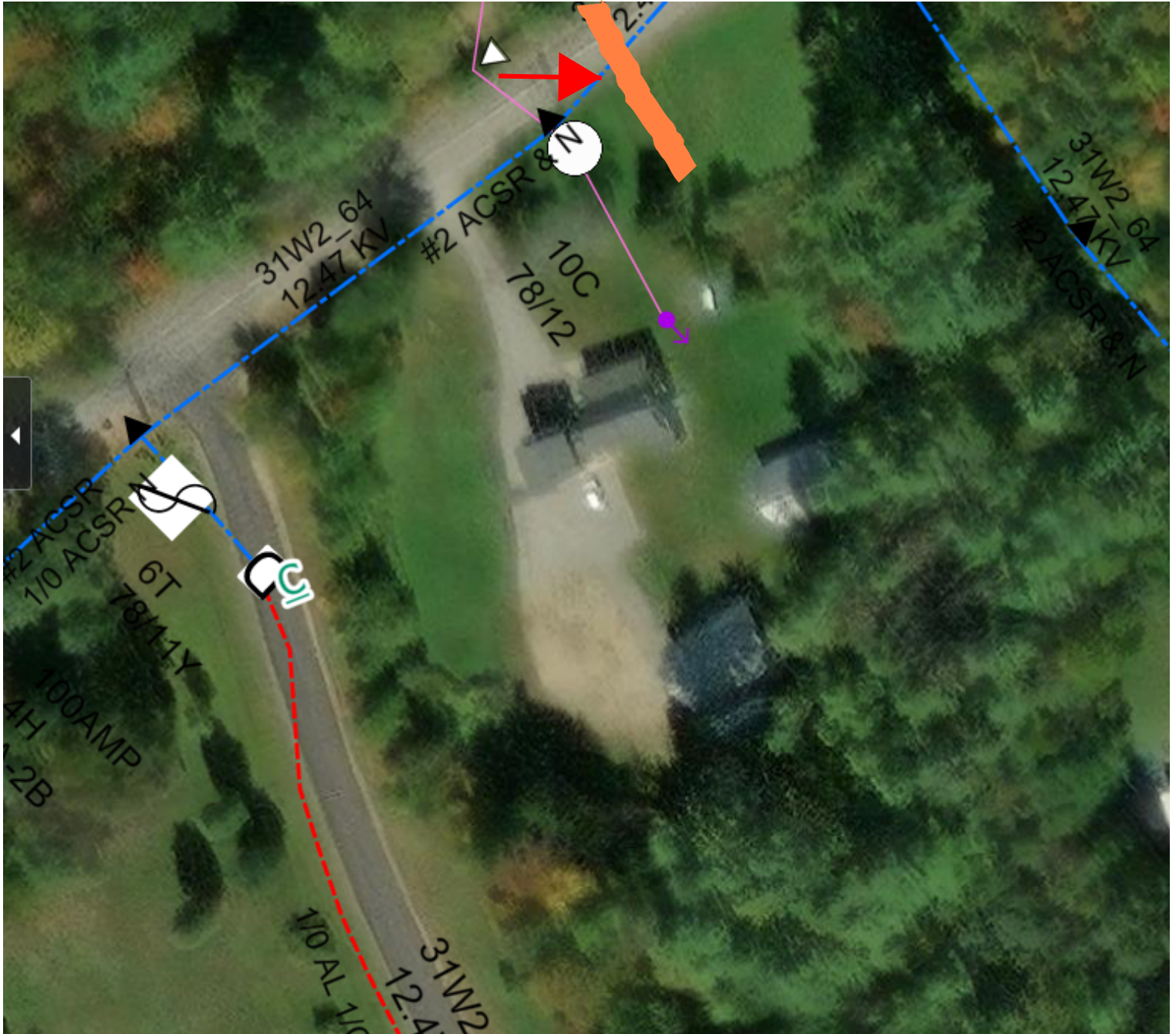
**Appendix D – Alberta gas distributors’ emergency response service standards**

Gas distributor	Emergencies responded to within specified time frame (calculated as an annual average of monthly results)
ATCO Gas	87 per cent or greater of emergencies responded to within 60 minutes
Apex Utilities Inc.	(1) 70 per cent or greater of emergencies responded to within 60 minutes; (2) 85 per cent or greater of emergencies responded to within 120 minutes; and (3) Results of surveys conducted based upon emergency calls must have less than 10 per cent of responses indicating “not satisfied at all”

**Appendix E – Alberta gas distributors’ call answering service standards**

Gas distributor	Percentage of calls reaching an agent that are answered within 30 seconds (calculated as an annual average of monthly results)
ATCO Gas	70 per cent or greater
Apex Utilities Inc.	95 per cent or greater of emergency calls received during normal Apex Utilities Inc. call centre hours

1. Simple Service - Highlighted in orange, with existing transformer.



## 2. Customer Requested

wire cover up

Meter float - No picture available

Meter Disconnect - No picture available

3. Developments (Residential & Commercial) - Neighborhoods as shown below  
with electrical infrastructure



4. Complex Service - Additional facilities to service minimal amount of customers  
Example circled in orange below where multiple pole line extension was constructed.



Public Service Company of New Hampshire

d/b/a Eversource Energy

Docket No. DE 24-070

Attachment ES-ADDITIONS-2(a)

June 11, 2024

Page 1 of 4

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE**

**New Business**

**Summary of Plant Placed in Service in 2019**

**Calendar Year 2019**

<u>Tab</u>	<b>Project Category</b>	<b>Plant Additions as of December 31, 2019</b>
2	2019 Projects - Specific	\$ 637,683
3	2019 Program - Annuals	\$ 11,272,066
4	2019 Carryover	\$ -
	<b>Total Plant Additions</b>	<b>\$ 11,909,749</b>

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**New Business**  
**Specific Projects Placed in Service in 2019**  
**Comparison of Pre-Construction Authorization to Actual Project Life to Date Costs**

Total Cost (direct and indirect, includes install and cost of removal)																							
Page Reference <u>ES-ADDITIONS-3(a)</u>	Bates Reference <u>ES-ADDITIONS-3(a)</u>	Year	Plant Type Col. B	Project Type Col. C	Specific Project No. Col. D	Project Description Col. E	First in Service Event Col. F	Plant Account(s) Col. G	2019 Plant in Service Col. H	Pre-Construction Authorization Col. I	Incremental Subsequent Funding Authorization Col. J	Total Authorization Col. K	As of 12/31/19 Actual Project Life to Date Costs		Variance between Actual Life to Date Cost and Pre-Construction Authorization		Variance Rationale for Projects 2 20% over or under Pre-Construction Authorization Revolving under budget projects, not completed in 2019	GL Account 101 or 106 Col. P					
													Col. L	Col. M	Col. N	Col. O							
1	0001	02352	2019	Distribution	A18C24	922 Elm Street Development (Manchester)	2019	365,367,368	\$	386,232	\$	140,000	\$	474,000	\$	1,014,000	\$	997,861	\$	457,861	85%	This project required additional construction cost caused by underground utility interferences; additional requirements imposed by the City of Manchester (curb-to-curb resurfacing rather than trench line and installation of a new fence around the new transformer)	106
2	0014	02365	2019	Distribution	A18C25	Sanborn Crossing Apartments	2019	364,365,366,367	\$	137,550	\$	220,000	\$	143,647	\$	(76,353)	\$	(76,353)	-35%	Multi-year project not yet complete. Amount shown on life to date costs through 12/31/19.	106		
3	0024	02375	2019	Distribution	A19C42	Myrtle South Conversion (Manchester)	2019	364,365,367,369	\$	113,901	\$	150,000	\$	136,711	\$	(13,289)	\$	(13,289)	-9%		106		
<b>Total</b>								<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>

**Definitions:**  
Col. A: Plant in Service Year  
Col. B: Plant Type (Distribution/General Plant)  
Col. C: Project Type is "Specific" projects for this tab  
Col. D: Internal Company project identifier  
Col. E: Description of project work  
Col. F: Year when first work order was placed in service for project  
Col. G: Plant account(s) for work orders contained within project  
Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.  
Col. I: Fully funded, pre-construction authorization used to begin construction for projects that meet the criteria for needing an authorization based on Company policy utilizing the Project Authorization Form (PAF)  
Col. J: Incremental Subsequent Fundline Authorization (direct, indirect, including cost of removal) or N/A for none applicable based on Company policy, utilizing the Subsequent Fundline Request (SFR) Form and referred to as "Subsequent Request" in the Form.  
Col. K: Total Authorization is the Preconstruction Authorization (Col. I) plus any Incremental Subsequent Funding (Col. J) authorized following the start of construction utilizing the Supplement Funding Request (SFR) Form and referred to as "Total Capital Request" in the Form.  
Col. L: Actual Life to Date Project Costs (direct and indirect, including cost of removal) through the year identified in Col. A.  
Col. M: Variance (\$) between total Actual Life to Date costs (Col. L) as compared to pre-construction authorized amount identified in Col. I.  
Col. N: Variance (%) between total Actual Life to Date costs (Col. L) as compared to pre-construction authorized amount identified in Col. I.  
Col. O: Rationale for the variance between Pre-construction Authorization and Actual Project, Life to Date Costs.  
Col. P: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Unitized by Plant Accounting, work orders are closed out and will not allow charges).

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**New Business**  
**Annual Programs Placed in Service in 2019**  
**Comparison of Annual Authorizations to Actual Year to Date Costs**

Line	Page Reference ES-ADDITIONS-3(a)	Bates Reference ES-ADDITIONS-3(a)	Year	Plant Type Col. B	Type Col. C	No. Col. D	Description Col. E	Plant Account(s) Col. F		2019 Plant in Service Col. G	Annual Authorization Col. H	Incremental Subsequent Funding Authorization Col. I	Total Authorization Col. J	Calendar Year 2019 Year to Date Costs Col. K		Annual Authorization Col. L		Variance between Actual Year to Date Costs and Annual Authorization Col. M	%	Explanation for Programs requiring Incremental Subsequent Funding Col. N		
								364,365,366,367,368,369,371,373	\$					8,427,770	\$	8,000,000	\$				1,065,000	\$
1	0031	02382	2019	Distribution	Annual	DN9R	NEW/EXISTING CUSTOMERS	364,365,366,367,368,369,371,373	\$	8,427,770	\$	8,000,000	\$	1,065,000	\$	9,065,000	\$	9,068,246	\$	1,068,246	13.4%	The Pre-Construction Authorization was based on historical spending. In 2019, commercial service requests were 55% higher than the three-year average and residential requests were 41% higher than the three-year average.
2	1055	03406	2019	Distribution	Annual	DV9R	NEW CUSTOMER SIMPLE SERVICE	364,365,366,367,368,369,371,373	\$	2,844,296	\$	3,250,300			\$	3,844,758	\$	594,458		18.3%		
<b>Total</b>										\$	<b>11,272,066</b>											

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Type is "Annual" program
- Col. D: Internal Company Identifier
- Col. E: Description of work
- Col. F: Plant account(s) for work orders contained within program
- Col. G: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. H: Annual authorization for programs that meet the criteria for needing an authorization based on Company policy, utilizing the Project Authorization Form (PAF)
- Col. I: Incremental Subsequent Funding Authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy, utilizing the Supplement Funding Request (SFR) Form and referred to as "Supplement Request" in the Form.
- Col. J: Total Authorization is the Annual Authorization (Col. H) plus any Incremental Subsequent Funding (Col. I), and is referred to as "Total Capital Request" in the Supplement Funding Request (SFR) Form.
- Col. K: Actual Year to Date Program Costs (direct and indirect, including cost of removal) for the calendar year identified in Col. A.
- Col. L: Variance (\$) between the Actual Year to Date costs (Col. K) as compared to Annual Authorized amount identified in Col. H.
- Col. M: Variance (%) between the Actual Year to Date (Col. K) as compared to Annual Authorized amount identified in Col. H.

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**New Business**  
**Specific Carryover Projects**  
**Actual Life to Date Costs as of 12/31/19**

Line	Page Reference	Bates Reference	Year	Plant Type	Project Type	Specific Project No.	Project Description	First in Service Event	Plant Account(s)	2019 Plant in Service	As of 12/31/19	
											Life to Date Costs	GL Account 106 or 101
1	ES-ADDITIONS-3(a)	ES-ADDITIONS-3(a)	Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G.	Col. H	Col. I	Col. J
							There were no new business carryover projects					
							<b>Total</b>				\$	-

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Project Type is specific "carryover" project with trailing charges
- Col. D: Internal Company project identifier
- Col. E: Description of project work
- Col. F: Year when first work order was placed in service for project
- Col. G: Plant account(s) for work orders contained within project
- Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. I: Actual Project Life to Date Costs (direct and indirect, including cost of removal) through the year identified in Col. A.
- Col. J: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Unitized by Plant Accounting, work orders are closed out and will not allow charges).

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 24-070  
Attachment ES-ADDITIONS-2(b)  
June 11, 2024  
Page 1 of 4

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE**  
**New Business**  
**Summary of Plant Placed in Service in 2020**

**Calendar Year 2020**

<u>Tab</u>	<b>Project Category</b>	<b>Plant Additions as of December 31, 2020</b>
2	2020 Projects - Specific	\$ 194,442
3	2020 Program - Annuals	\$ 12,532,235
4	2020 Carryover	\$ 569,740
	<b>Total Plant Additions</b>	<b>\$ 13,296,417</b>

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
 New Business  
 Specific Projects Placed in Service in 2020  
 Comparison of Pre-Construction Authorization to Actual Project Life to Date Costs

Total Costs (direct and indirect, includes install and cost of removal)																				
Line	Page Reference ES-ADDITIONS-3(a)	Bates Reference ES-ADDITIONS-3(b)	Year Col. A	Plant Type Col. B	Project Type Col. C	Specific Project No. Col. D	Project Description Col. E	First in Service Year Col. F	Plant Account(s) Col. G	2020 Plant in Service Col. H	Pre-Construction Authorization Col. I	Incremental Subsequent Funding Authorization Col. J	Total Authorization Col. K	As of 12/31/20		Variance between Actual Life to Date Cost and Pre-Construction Authorization		Variance Rationale for Projects > 20% over or under Pre-Construction Authorization (excluding under budget projects, not completed in 2020)	Col. Account Col. P	
														Actual Project Life to Date Costs Col. L	(\$) Col. M	% Col. N				
1	0001	03810	2020	Distribution	Specific	ALR000	BAE Gorris Falls Road Service	2020	364,365,373	\$	194,442	\$	232,000	\$	196,513	\$	(18,487)	-15%	Col. D	106
<b>Total</b>									<b>\$</b>	<b>194,442</b>										

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Project Type is "Specific" projects for this tab
- Col. D: Internal Company project identifier
- Col. E: Description of project work
- Col. F: Year when first work order was placed in service for project
- Col. G: Plant account(s) for work orders contained within project
- Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. I: Fully funded, pre-construction authorization used to begin construction for projects that meet the criteria for needing an authorization based on Company policy utilizing the Project Authorization Form (PAF)
- Col. J: Incremental Subsequent Funding Authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy, utilizing the Supplement Funding Request (SFR) Form and referred to as "Supplement Request" in the Form.
- Col. K: Total Authorization is the Preconstruction Authorization (Col. I) plus any Incremental Subsequent Funding (Col. J) authorized following the start of construction utilizing the Supplement Funding Request (SFR) Form and referred to as "Total Capital Request" in the Form.
- Col. L: Actual Life to Date Project Costs (direct and indirect, including cost of removal) through the year identified in Col. A.
- Col. M: Variance (\$) between total Actual Life to Date costs (Col. L) as compared to pre-construction authorized amount identified in Col. I.
- Col. N: Variance (%) between total Actual Life to Date costs (Col. L) as compared to pre-construction authorized amount identified in Col. I.
- Col. O: Rationale for the variance between Pre-construction Authorization and Actual Project, Life to Date Costs.
- Col. P: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Utilized by Plant Accounting, work orders are closed out and will not allow charges).

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
 New Business  
 Annual Programs Placed in Service in 2020  
 Comparison of Annual Authorizations to Actual Year to Date Costs

Line	Page Reference	Bates Reference	Year	Plant Type	Type	No.	Description	Plant Account(s)	2020 Plant in Service		Annual Authorization	Incremental Subsequent Funding Authorization	Total Authorization	Calendar Year 2020	Variance between Actual Year to Date Costs and Annual Authorization		Explanation for Programs requiring Incremental Subsequent Funding
									Col. F	Col. G					Col. H	Col. I	
1	0008	03817	2020	Distribution	Annual	DNDR	NEW/EXISTING CUSTOMERS	364,365,366,367,368,369,371,373	\$ 9,120,244	\$ 18,323,000			\$ 9,858,590	\$ (8,464,410)	-46.2%		
2	0960	04769	2020	Distribution	Annual	DVGR	NEW CUSTOMER SIMPLE SERVICE	364,365,366,367,368,369,371	\$ 3,411,991	\$ 3,411,000			\$ 3,876,536	\$ 465,536	13.6%		
<b>Total</b>									<b>\$ 12,532,235</b>								

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Type is "Annual" program
- Col. D: Internal Company Identifier
- Col. E: Description of work
- Col. F: Plant account(s) for work orders contained within program
- Col. G: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. H: Annual authorization for programs that meet the criteria for needing an authorization based on Company policy, utilizing the Project Authorization Form (PAF)
- Col. I: Incremental Subsequent Funding Authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy, utilizing the Supplement Funding Request (SFR) Form and referred to as "Supplement Request" in the Form.
- Col. J: Total Authorization is the Annual Authorization (Col. H.) plus any Incremental Subsequent Funding (Col. I), and is referred to as "Total Capital Request" in the Supplement Funding Request (SFR) Form.
- Col. K: Actual Year to Date Program Costs (direct and indirect, including cost of removal) for the calendar year identified in Col. A.
- Col. L: Variance (\$) between the Actual Year to Date costs (Col. K) as compared to Annual Authorized amount identified in Col. H.
- Col. M: Variance (%) between the Actual Year to Date (Col. K) as compared to Annual Authorized amount identified in Col. H.
- Col. N: Explanation for programs requiring Incremental Subsequent Funding (Col. I)



**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**New Business**  
**Specific Carryover Projects**  
**Actual Life to Date Costs as of 12/31/20**

Line	Page Reference ES-ADDITIONS-3(b)	Bates Reference ES-ADDITIONS-3(b)	Year	Plant Type Col. A	Project Type Col. B	Project No. Col. C	Project Description Col. D	Event Col. E	Plant Account(s) Col. F	2020 Plant in Service Col. G	As of 12/31/20 Actual Project		GL Account 106 or 101 Col. J
											2020 Plant in Service Col. H	Life to Date Costs Col. I	
1	1441	05250	2020	Distribution	Carryover	A18C24	922 Elm Street Development (Manchester)	2019	366,367,368	\$ 576,088	\$ 994,585	106	
2	1454	05263	2020	Distribution	Carryover	A18C25	Sanborn Crossing Apartments	2019	364,365,366,367	\$ 542	\$ 142,690	106	
3	1464	05273	2020	Distribution	Carryover	A19C42	Myrtle South Conversion (Manchester)	2019	364,365,367,369	\$ (6,890)	\$ 128,659	106	
<b>Total</b>										\$	\$ 569,740		

**Definitions:**

Col. A: Plant in Service Year

Col. B: Plant Type (Distribution/General Plant)

Col. C: Project Type is specific "carryover" project with trailing charges

Col. D: Internal Company project identifier

Col. E: Description of project work

Col. F: Year when first work order was placed in service for project

Col. G: Plant account(s) for work orders contained within project

Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.

Col. I: Actual Project Life to Date Costs (direct and indirect, including cost of removal) through the year identified in Col. A.

Col. J: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Unitized by Plant Accounting, work orders are closed out and will not allow charges).

Attachment PUC 1-026(c)

Attachment DOE 1-006(d)

Public Service Company of New Hampshire  
d/b/a Eversource Energy

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE** Docket No. DE 24-070

**New Business** Attachment ES-ADDITIONS-3(c)

**Summary of Projects Placed in Service in 2021**

June 11, 2024

Page 1 of 4

### Calendar Year 2021

<u>Tab</u>	<b>Project Category</b>	<b>Plant Additions as of December 31, 2021</b>
2	2021 Projects - Specific	\$ 385,270
3	2021 Program - Annuals	\$ 15,862,863
4	2021 Carryover	\$ (93)
	<b>Total Plant Additions</b>	<b>\$ 16,248,040</b>



**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/E/A EV/RESOURCE ENERGY**  
**New Business**  
**Annual Program Period to Date Costs**  
**Comparison of Annual Authorizations to Actual Year to Date Costs**

Total (see orders and orders, includes total and cost of orders)										Variance between Actual Year to Date Costs and														
Page Reference	Order Reference	Year	Order Type	Order	Order	Order	Order	Order	Order	Annual	Incremental Subsequent Orderline	Total	Calendar Year 2021	Actual Subscriptions	Explanation for Programs requiring Incremental Subsequent Orderline									
Line	Attachment No.	Attachment No.		Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L									
1	0002	0002	2021	Distribution	Annual			NEW/EXISTING CUSTOMERS		364,363,362,908,300,271,173	\$	15,812,863	\$	18,321,000	\$	11,989,000	\$	21,000,000	\$	26,388,000	\$	8,075,000	64.3%	The authorized budget was based on historical spending. The level of customer driven work increased to an unprecedented level, necessitating the result of increase in orderline cost recovery.
<b>Total</b>																								

**Definitions:**

- Col. A: Fiscal or Service Year
- Col. B: Order Type (Distribution or Generation)
- Col. C: Order Reference
- Col. D: Incremental Subsequent Orderline
- Col. E: Description of Order
- Col. F: Plant associated for work orders contained within the program
- Col. G: Amount of these orders submitted to system for the order year identified in Col. A
- Col. H: Actual Authorizations for orders that were the subject of a distribution based on Company order, within the Project Authorization (see PAF)
- Col. I: Incremental Subsequent Orderline Authorization (order), includes cost of renewal for N/A for new authorizations based on Company order, within the Subsequent Orderline Request (SOR) form and referred to as "Subsequent Request" in the form.
- Col. J: Total Authorizations for the order year identified in Col. A, including the Incremental Subsequent Orderline (I) and referred to as "Total Authorizations" in the Subsequent Orderline Request (SOR) form.
- Col. K: Actual Year to Date Program Costs (order) and orderline, includes cost of renewal for the calendar year identified in Col. A
- Col. L: Variance (V) between the Actual Year to Date costs (Col. K) as compared to Annual Authorizations identified in Col. A
- Col. M: Variance (V) between the Actual Year to Date (Col. K) as compared to Annual Authorizations identified in Col. A
- Col. N: Explanation programs requiring incremental Subsequent Orderline (I)

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**New Business**  
**Specific Carryover Projects**  
**Actual Life to Date Costs as of 12/31/21**

Line	Page Reference		Year	Plant Type	Project Type	Specific		First in Service		As of 12/31/21				
	ES-ADDITIONS-3(c)	ES-ADDITIONS-3(c)				Project No.	Project Description	Event	Plant Account(s)	2021 Plant in Service		Actual Project		GL Account
	Col. A	Col. B				Col. C	Col. D	Col. E	Col. F	Col. G	Col. H	Col. I	Col. J	100-99-101
1	1396	06676	2021	Distribution	Carryover	A19C50	BAE Goffs Falls Road Service	2020	364,365,373	\$	758	\$	202,898	106
2	1403	06683	2021	Distribution	Carryover	A18C24	932 Elm Street Development (Manchester)	2019	386,367,368	\$		\$	893,724	106
						<b>Total</b>				\$		\$	<b>(93)</b>	

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Project Type is specific "carryover" project with trailing charges
- Col. D: Internal Company project identifier
- Col. E: Description of project work
- Col. F: Year when first work order was placed in service for project
- Col. G: Plant account(s) for work orders contained within project
- Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. I: Actual Project Life to Date Costs (direct and indirect, including cost of removal) through the year identified in Col. A.
- Col. J: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Untried by Plant Accounting, work orders are closed out and will not allow charges).

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Summary of Plant Placed in Service in 2021, excluding New Business projects**  
**Projects Placed in Service in 2021, withheld from original filing**

Public Service Company of New Hampshire  
d/b/a Eversource Energy  
Docket No. DE 24-070  
Attachment ES-ADDITIONS-2(d)  
June 11, 2024  
Page 1 of 4

**Calendar Year 2021**

<u>Line</u>	<b>Project Category</b>	<b>Plant Additions as of December 31, 2021</b>
2	2021 Projects - Specific	\$ 8,987,214
3	2021 Program - Annuals	\$ -
4	2021 Carryover	\$ 367,212
	<b>Total Plant Additions</b>	<b>\$ 9,354,425</b>

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Specific Projects Placed in Service in 2021 - withheld from original filing**  
**Comparison of Pre-Construction Authorization to Actual Project Life to Date Costs**

													Total Cost (direct and indirect, includes install and cost of removal)							
															As of 12/31/21		Variance between			
													Pre-Construction	Incremental Subsequent Funding	Total	Actual Project	Actual Life to Date Cost and Pre-Construction Authorization			
Page Reference	Bates Reference		Specific				First in Service													
Line	ES-ADDITIONS-3(d)	ES-ADDITIONS-3(d)	Year	Plant Type	Project Type	Project No.	Project Description	Event	Plant Account(s)	2021 Plant in Service	Authorization	Authorization	Authorization	Life to Date Costs	(\$)	%	Variance Rationale for Projects > 20% over or under Pre-Construction Authorization (excluding under budget projects, not completed in 2021)		101 or 106	
			Col. A	Col. B	Col. C	Col. D	Col. E	Col. F	Col. G.	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	Col. O	Col. P		
1	01	06696	2021	General	Specific	19720	Nashua Renovation	2021	390,391	\$ 8,427,374.19	\$ 7,930,505.00	\$ -	\$ 7,930,505.00	\$ 8,642,878.52	\$ 712,373.52	9%		106		
2	15	06710	2021	General	Specific	217129	55 W Brook LED Lighting	2021	390	\$ 289,086.45	\$ 374,324.00	\$ -	\$ 374,324.00	\$ 293,163.63	\$ (81,160.37)	-22%	12/31/21	Multi-year project not yet complete. Amount shown is life to date costs through	106	
3	16	06711	2021	General	Specific	21799	Hooksett-1250 LED Lighting	2021	390	\$ 183,769.75	\$ 590,530.00	\$ -	\$ 590,530.00	\$ 183,769.75	\$ (406,760.25)	-69%	12/31/21	Multi-year project not yet complete. Amount shown is life to date costs through	106	
4	24	06719	2021	Distribution	Specific	A17503	MILLYARD SS REPLACEMENT	2021	360	\$ 86,983.50	\$ 14,267,000.00	\$ -	\$ 14,267,000.00	\$ 5,232,049.57	\$ (9,034,950.43)	-63%	12/31/21	Multi-year project not yet complete. Amount shown is life to date costs through	106	
									<b>2021 Total</b>		<b>\$8,987,213.89</b>									

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Project Type is "Specific" projects for this tab
- Col. D: Internal Company project identifier
- Col. E: Description of project work
- Col. F: Year when first work order was placed in service for project
- Col. G: Plant account(s) for work orders contained within project
- Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. I: Fully funded, pre-construction authorization used to begin construction for projects that meet the criteria for needing an authorization based on Company policy utilizing the Project Authorization Form (PAF)
- Col. J: Incremental Subsequent Funding Authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy, utilizing the Supplement Funding Request (SFR) Form and referred to as "Supplement Request" in the Form.
- Col. K: Total Authorization is the Preconstruction Authorization (Col. I.) plus any Incremental Subsequent Funding (Col. J) authorized following the start of construction utilizing the Supplement Funding Request (SFR) Form and referred to as "Total Capital Request" in the Form.
- Col. L: Actual Life to Date Project Costs (direct and indirect, including cost of removal) through the year identified in Col. A.
- Col. M: Variance (\$) between total Actual Life to Date costs (Col. L) as compared to pre-construction authorized amount identified in Col. I.
- Col. N: Variance (%) between total Actual Life to Date costs (Col. L) as compared to pre-construction authorized amount identified in Col. I.
- Col. O: Rationale for the variance between Pre-construction Authorization and Actual Project, Life to Date Costs.
- Col. P: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Utilized by Plant Accounting, work orders are closed out and will not allow charges).

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Annual Programs Placed in Service in 2021, excluding New Business projects**  
**Comparison of Annual Authorizations to Actual Year to Date Costs**

Line	Page Reference ES-ADDITONS-2(d)	Bates Reference ES-ADDITONS-2(d)	Year Col. A	Plant Type Col. B	Type Col. C	Specific Id. Col. D	Description Col. E	Plant Account(s) Col. F	2021 Plant in Service Col. G	Annual Authorization Col. H	Incremental Subsequent Funding Authorization Col. I	Total Authorization Col. J	Calendar Year 2021 Year to Date Costs Col. K	Variance between Actual Year to Date Costs and Annual Authorization		Explanation for Programs requiring Incremental Subsequent Funding Col. N
														\$	%	
<b>NO ANNUALS</b>																
<b>2021 Total</b>									<b>\$0.00</b>							

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Type of "Annual" program
- Col. D: Internal Company Identifier
- Col. E: Description of work
- Col. F: Plant account(s) for work orders contained within program
- Col. G: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. H: Annual authorization for programs that meet the criteria for needing an authorization based on Company policy, utilizing the Project Authorization Form (PAF)
- Col. I: Incremental Subsequent Funding Authorization (direct, indirect, including cost of removal) (or N/A for some applicable) based on Company policy, utilizing the Supplement Funding Request (SFR) Form and referred to as "Supplement Request" in the Form.
- Col. J: Total Authorization is the Annual Authorization (Col. H) plus any Incremental Subsequent Funding (Col. I), and is referred to as "Total Capital Request" in the Supplement Funding Request (SFR) Form.
- Col. K: Actual Year to Date Program Costs (direct and indirect, including cost of removal) for the calendar year identified in Col. A.
- Col. L: Variance (\$) between the Actual Year to Date costs (Col. K) as compared to Annual Authorized amount identified in Col. H.
- Col. M: Variance (%) between the Actual Year to Date (Col. K) as compared to Annual Authorized amount identified in Col. H.
- Col. N: Explanation for programs requiring incremental Subsequent Funding (Col. I)



**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Specific Carryover Projects Placed in Service in 2021 - withheld from original filing**  
**Actual Life to Date Costs as of 12/31/21**

Line	Page Reference ES-ADDITIONS-3(d)	Bates Reference ES-ADDITIONS-3(d)	Year Col. A	Plant Type Col. B	Project Type Col. C	Specific Project No. Col. D	Project Description Col. E	First in Service Event Col. F	Plant Account(s) Col. G.	2021 Plant in Service		As of 12/31/21 Actual Project Life to Date Costs		GL Account 106 or 101 Col. J
										Col. H	Col. I	Col. I	Col. I	
1	76	06771	2021	General	Carryover	IT19433	Lifecycle PC Replacements-237	2020	391	\$	367,211.56	\$	367,211.56	101

**Definitions:**

Col. A: Plant in Service Year

Col. B: Plant Type (Distribution/General Plant)

Col. C: Project Type is specific "carryover" project with trailing charges

Col. D: Internal Company project identifier

Col. E: Description of project work

Col. F: Year when first work order was placed in service for project

Col. G: Plant account(s) for work orders contained within project

Col. H: Amount of plant additions placed in service for the plant year identified in Col. A.

Col. I: Actual Project Life to Date Costs (direct and indirect, including cost of removal) through the year identified in Col. A.

Col. J: Indicates whether one or more work orders are in FERC Account 106 (Completed Construction not Classified (CCNC)) and can still accept charges or FERC Account 101 (Completed and Unitized by Plant Accounting, work orders are closed out and will not allow charges).

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE**  
**Summary of Plant Placed in Service in 2022**

**Calendar Year 2022**

<u>Tab</u>	<b>Category</b>	<b>Plant Additions as of December 31, 2022</b>
2	2022 Projects - Specific	\$ 75,959,650
3	2022 Program - Annuals	\$ 73,357,477
4	2022 Carryover	\$ 18,830,121
	Total Plant Additions	<u><u>\$ 168,147,249</u></u>



**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE ENERGY**  
**Annual Programs Placed in Service in 2022**  
**Comparison of Annual Authorizations to Actual Year to Date Costs**

Line	Page Reference ES-ADDITIONS-2(a)	Bates Reference ES-ADDITIONS-2(a)	Year	Plant Type	Type	No. Col. D	Description	Plant Account(s) Col. E	2022 Plant in Service		Annual Authorization		Incremental Subsequent Funding		Total		Calendar Year 2022		Variance between Actual Year to Date Costs and Annual Authorization		Explanation for Programs requiring Incremental Subsequent Funding	
									Col. F	Col. G	Col. H	Col. I	Col. J	Col. K	Col. L	Col. M	Col. N	%				
1	1772	08544	2022	Distribution	Annual	DNR	NEW/EXISTING CUSTOMERS	364,365,366,367,368,369,371,373	\$ 21,241,064	\$ 31,600,000	\$ -	\$ -	\$ -	\$ 22,578,776	\$ (9,002,234)						-28.5%	
2	3167	09939	2022	Distribution	Annual	D77P	PURCHASE TRANSFORMERS AND REGULATOR	368	\$ 15,329,370	\$ 14,624,958	\$ -	\$ -	\$ -	\$ 15,328,046	\$ 703,088						4.8%	
3	3174	09946	2022	Distribution	Annual	DQ9R	SYSTEM REPAIRS/OBSOLETE	364, 365, 366, 367, 368, 369, 370, 371, 373	\$ 11,098,343	\$ 16,000,000	\$ -	\$ -	\$ -	\$ 16,645,400	\$ 645,400						4.0%	
4	4079	10851	2022	Distribution	Annual	DL9R	DIST LINE ROW PROGRAM	361, 362, 364, 365	\$ 7,590,863	\$ 5,000,000	\$ -	\$ -	\$ -	\$ 4,474,347	\$ (2,526,533)						-10.5%	
5	4114	10886	2022	Distribution	Annual	DP9R	RELIABILITY IMPROVEMENTS	364, 365, 366, 367, 368, 369, 373	\$ 3,855,907	\$ 5,237,000	\$ -	\$ -	\$ -	\$ 4,219,741	\$ (1,017,259)						-19.4%	
6	4210	10982	2022	Distribution	Annual	INS9R	INSURANCE CLAIM ANNUAL	364, 365, 366, 367, 368, 369, 371, 373	\$ 2,673,492	\$ 2,748,000	\$ -	\$ -	\$ -	\$ 578,073	\$ (2,169,927)						-79.0%	
7	4578	11350	2022	Distribution	Annual	DV9R	SERVICES	364, 365, 366, 367, 368, 369, 371	\$ 2,427,585	\$ 4,132,000	\$ -	\$ -	\$ -	\$ 1,236,052	\$ (2,895,948)						-70.1%	
8	4848	11620	2022	Distribution	Annual	DH9R	LINE RELOCATIONS	364, 365, 366, 367, 368, 369, 371, 373	\$ 1,395,285	\$ 1,236,000	\$ 639,000	\$ 1,875,000	\$ 1,870,631	\$ 634,631							51.3%	Authorization was based on historical trend. 2022 experienced a significant increase in line relocations.
9	4891	11663	2022	Distribution	Annual	DK9R	MAINTAIN VOLTAGE	364, 365, 366, 367, 368, 369, 371	\$ 1,180,016	\$ 2,178,000	\$ -	\$ -	\$ -	\$ 1,199,286	\$ (978,714)						-44.9%	
10	4927	11669	2022	Distribution	Annual	MINORSR	MINOR STORMS CAPITAL	364, 365, 366, 367, 368, 369, 371, 373	\$ 1,152,268	\$ 1,000,000	\$ 545,000	\$ 1,545,000	\$ 1,606,103	\$ 606,103							60.6%	Authorization was based on historical trend. 2022 experienced a significant increase in the number and average cost of storms.
11	5025	11797	2022	Distribution	Annual	DS9RE	ROW REPLACE FAILED EQUIPMENT-ANNUA	361, 364, 365	\$ 1,149,369	\$ 1,121,000	\$ -	\$ -	\$ -	\$ 1,023,660	\$ (97,340)						-8.7%	
12	5039	11811	2022	Distribution	Annual	AZJPRP	2022 Roadside Reject Pole Repl	364, 365, 366, 367, 368, 369	\$ 977,554	\$ 2,225,000	\$ -	\$ -	\$ -	\$ 1,541,648	\$ (883,352)						-39.7%	
13	5077	11849	2022	Distribution	Annual	CO3CIV	CABLE TV ANNUAL	364, 365, 366, 367, 368, 369, 371	\$ 654,708	\$ 512,000	\$ 1,418,000	\$ 1,930,000	\$ 1,930,000	\$ 1,930,357	\$ 2,418,357						277.0%	Authorization was based on historical trend. 2022 experienced a significant increase in cable TV project activity.
14	5171	11943	2022	General	Annual	GX9R	Tools/Equipment - Field Operations	394, 398	\$ 559,500	\$ 1,100,000	\$ -	\$ -	\$ -	\$ 915,826	\$ (184,174)						-16.7%	
15	5197	11969	2022	Distribution	Annual	STORMCAP	NH STORM CAPITALIZATION	364, 365, 367, 368, 371	\$ 347,027	\$ 598,000	\$ 2,148,000	\$ 2,746,000	\$ 2,745,561	\$ 2,147,561							359.1%	Authorization was based on historical trend. 2022 experienced a significant increase in the number and severity of the storms.
16	5210	11982	2022	Distribution	Annual	DA9R	NON-ROADWAY LIGHTING	364, 365, 366, 368, 369, 371, 373	\$ 312,633	\$ 800,000	\$ -	\$ -	\$ -	\$ 469,731	\$ (330,269)						-41.3%	
17	5265	12037	2022	Distribution	Annual	CD3DOT	NHOOT PROGRAM	364, 365, 366, 367, 368, 369, 371, 373	\$ 291,924	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 84,325	\$ (2,415,675)						-96.6%	
18	5274	12046	2022	Distribution	Annual	PT9R	TEMPORARY WORK - NH	364, 365, 366, 367, 368, 369, 371	\$ 280,868	\$ 150,000	\$ 209,000	\$ 359,000	\$ 358,625	\$ 208,625							139.1%	Authorization was based on historical trend. 2022 experienced a significant increase in temporary work activity.
19	5333	12105	2022	Distribution	Annual	PW9R	PRIVATE WORK - PSNH	364, 365, 366, 367, 368, 369, 371, 373	\$ 205,750	\$ 150,000	\$ 153,000	\$ 303,000	\$ 388,002	\$ 238,002							158.7%	Authorization was based on historical trend. 2022 experienced a significant increase in private work activity.
20	5369	12141	2022	Distribution	Annual	CD1PCB	PCB TRANSFORMER CHANGEOUT PROGRAM	364, 365, 366, 367, 368, 369	\$ 191,004	\$ 250,000	\$ -	\$ -	\$ -	\$ 207,138	\$ (42,862)						-17.1%	
21	5384	12156	2022	General	Annual	GE9R	Tools and Equipment - Engineering	394	\$ 165,216	\$ 75,000	\$ -	\$ -	\$ -	\$ 34,466	\$ (40,534)						-54.0%	
22	5388	12160	2022	Distribution	Annual	CO3TELE	TELEPHONE ANNUAL	364, 365, 366, 368, 369	\$ 93,450	\$ 386,000	\$ -	\$ -	\$ -	\$ 91,062	\$ (294,938)						-76.4%	
23	5396	12168	2022	General	Annual	GXENGNH	Telecom Eng Tools & Equip	397	\$ 53,861	\$ 70,000	\$ -	\$ -	\$ -	\$ 53,861	\$ (16,139)						-23.1%	
24	5397	12169	2022	General	Annual	SEWANAJ22	NH Telecom WAN Annual 2022	397	\$ 47,468	\$ 384,000	\$ -	\$ -	\$ -	\$ 186,031	\$ (197,969)						-51.6%	
25	5406	12178	2022	Distribution	Annual	DS9RD2	2022 NH D SS Emergent Annual (Operations)	362	\$ 27,616	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 265,305	\$ (734,695)						-73.5%	
26	5413	12185	2022	Distribution	Annual	DSNP22	2022 D SS Planned Annual (Ops)	362	\$ 25,945	\$ 1,000,000	\$ -	\$ -	\$ -	\$ 433,355	\$ (566,645)						-56.7%	
27	5423	12195	2022	General	Annual	GMSR22	2022 NH D SS Capital Tool Annual	394, 398	\$ 21,121	\$ 300,000	\$ -	\$ -	\$ -	\$ 317,007	\$ 17,007						5.7%	
28	5429	12201	2022	General	Annual	GT9R	Tools and Equipment- Troubleshooter	394, 397	\$ 8,270	\$ 470,000	\$ -	\$ -	\$ -	\$ 179,692	\$ (290,308)						-61.8%	
<b>Total</b>									<b>\$ 73,357,477</b>													

**Definitions:**  
 Col. A: Plant in Service Year  
 Col. B: Plant Type (Distribution/General Plant)  
 Col. C: Type of "Annual" program  
 Col. D: Internal Company Identifier  
 Col. E: Description of work  
 Col. F: Plant account(s) for work orders contained within program  
 Col. G: Amount of plant additions placed in service for the plant year identified in Col. A.  
 Col. H: Annual authorization for programs that meet the criteria for needing an authorization based on Company policy, utilizing the Project Authorization Form (PAF)  
 Col. I: Incremental/ Subsequent Funding Authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy, utilizing the Supplement Funding Request (SFR) Form and referred to as "Supplement Request" in the Form.  
 Col. J: Total Authorization is the Annual Authorization (Col. H) plus any Incremental Subsequent Funding (Col. I), and is referred to as "Total Capital Request" in the Supplement Funding Request (SFR) Form.  
 Col. K: Actual Year to Date Program Costs (direct and indirect, including cost of removal) for the calendar year identified in Col. A.  
 Col. L: Variance (%) between the Actual Year to Date costs (Col. K) as compared to Annual Authorized amount identified in Col. H.  
 Col. M: Variance (%) between the Actual Year to Date (Col. K) as compared to Annual Authorized amount identified in Col. H.  
 Col. N: Explanation for programs requiring Incremental Subsequent Funding (Col. I)



**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/B/A EVERSOURCE**  
**Summary of Plant Placed in Service in 2023**

**Calendar Year 2023**

<u>Tab</u>	<b>Project Category</b>	<b>Plant Additions as of December 31, 2023</b>
2	2023 Projects - Specific	\$ 94,681,312
3	2023 Program - Annuals	\$ 90,954,626
4	2023 - Carryover	\$ 11,096,991
	Total Plant Additions	<u><u>\$ 196,732,929</u></u>



**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE D/N/A EVERSOURCE ENERGY**  
**Annual Programs Placed in Service in 2023**  
**Comparison of Annual Authorizations to Actual Year to Date Costs**

Line	Page Reference (S-ADDITIONS-30)	Bates Reference (S-ADDITIONS-31)	Year Col. A	Plant Type Col. B	Type Col. C	No. Col. D	Description Col. E	Plant Account(s) Col. F	2023 Plant in Service Col. G	Annual Authorization Col. H	Incremental Subsequent Funding Authorization Col. I	Total Authorization Col. J	Calendar Year 2023 Year to Date Costs		Annual Authorization		Explanation for Programs requiring Incremental Subsequent Funding Col. N
													Col. K	Col. L	Col. M	Col. N	
<b>Total Cost (direct and indirect, includes install and cost of removal)</b>																	
1	1754	14660	2023	Distribution	Annual	DN9R	NEW/EXISTING CUSTOMERS	364,365,366,367,368,369,371,373	\$ 22,103,894	\$ 31,600,000	\$	\$ 31,600,000	\$ 28,304,618	\$ (3,295,382)		-10.4%	
2	2938	15844	2023	Distribution	Annual	D77P	PURCHASE TRANSFORMERS AND REGULATOR	368	\$ 21,976,566	\$ 19,000,000	\$ 2,976,565	\$ 21,976,566	\$ 21,976,566	\$ 2,976,566		15.7%	A shortage of transformers in the market throughout 2023 led to increased unit cost.
3	2952	15858	2023	Distribution	Annual	D29R	SYSTEM REPAIRS/OBSOLETE	364, 365, 366, 367, 368, 369, 370, 371, 373	\$ 15,495,978	\$ 18,000,000	\$ 3,254,226	\$ 21,254,226	\$ 21,011,111	\$ 3,011,111		16.7%	Transformer and other material shortages resulted in higher unit cost and increased demobilization/remobilization costs. On failed underground facilities, increased the use of higher cost horizontal direct drilling rather than traditional open trench in order to reduce impact on customer service.
4	3772	16678	2023	Distribution	Annual	D39R	DIST LINE ROW PROGRAM	361, 362, 364, 365	\$ 4,996,288	\$ 5,000,000	\$	\$ 5,000,000	\$ 4,688,751	\$ (311,249)		-6.2%	
5	2007	16713	2023	Distribution	Annual	D99R	RELIABILITY IMPROVEMENTS	364, 365, 366, 367, 368, 369, 373	\$ 4,068,719	\$ 5,237,000	\$	\$ 5,237,000	\$ 5,526,570	\$ 289,570		5.5%	
6	3887	16793	2023	Distribution	Annual	DV9R	NEW CUSTOMER SIMPLE SERVICE	364, 365, 366, 367, 368, 369, 371	\$ 2,989,403	\$ 4,296,000	\$	\$ 4,296,000	\$ 1,705,764	\$ (2,590,236)		-60.3%	
7	4251	17157	2023	Distribution	Annual	C03CTV	CABLE TV PROJECTS ANNUAL	364, 365, 366, 367, 368, 369, 371	\$ 2,898,862	\$ 4,673,000	\$ 2,276,000	\$ 6,949,000	\$ 5,409,035	\$ 736,035		15.8%	Pre-Construction Authorization was based on historical trend. 2023 experienced a significant increase in cable TV project activity, with 17,961 attachment requests versus the five-year average of 14,112.
8	4394	17300	2023	Distribution	Annual	INSC99R	INSURANCE CLAIM ANNUAL	364, 365, 366, 367, 368, 369, 371, 373	\$ 2,757,143	\$ 2,748,000	\$	\$ 2,748,000	\$ 905,156	\$ (1,842,844)		-67.1%	
9	4775	17681	2023	Distribution	Annual	STORMCAP	NH STORM CAPITALIZATION	364, 365, 367, 368, 371	\$ 2,338,388	\$ 2,900,000	\$	\$ 2,900,000	\$ 3,269,594	\$ 369,594		12.7%	
10	4784	17680	2023	Distribution	Annual	DH9R	LINE RELOCATIONS	364, 365, 366, 367, 368, 369, 371, 373	\$ 1,709,467	\$ 2,395,000	\$ 761,508	\$ 3,156,508	\$ 3,021,691	\$ 626,691		26.2%	Higher than historical volume of line relocations requested by municipalities and federal agencies. This work is a compliance obligation.
11	4835	17741	2023	Distribution	Annual	MINOR9R	MINOR STORMS CAPITAL	364, 365, 366, 367, 368, 369, 371, 373	\$ 1,374,266	\$ 2,000,000	\$	\$ 2,000,000	\$ 1,769,367	\$ (230,633)		-11.5%	
12	4930	17796	2023	Distribution	Annual	G99R	Tools/Equipment - Field Operations	394, 398	\$ 1,298,668	\$ 1,100,000	\$	\$ 1,100,000	\$ 925,718	\$ (174,282)		-15.8%	
13	4954	17860	2023	Distribution	Annual	DK9R	MAINTAIN VOLTAGE	364, 365, 366, 367, 368, 369, 371	\$ 1,167,937	\$ 2,200,000	\$	\$ 2,200,000	\$ 1,378,707	\$ (821,293)		-37.3%	
14	4985	17891	2023	Distribution	Annual	D59RE	ROW REPLACE FAILED EQUIPMENT-ANNUAL	361, 364, 365	\$ 977,451	\$ 1,121,000	\$	\$ 1,121,000	\$ 1,118,642	\$ (1,358)		-0.1%	
15	4998	17904	2023	Distribution	Annual	GT9R	Tools and Equipment - Troubleshooter	394, 397	\$ 907,593	\$ 460,000	\$	\$ 460,000	\$ 290,082	\$ (169,918)		-36.9%	
16	5005	17911	2023	Distribution	Annual	C03DOT	NH DOT PROJECT PROGRAM	364, 365, 366, 367, 368, 369, 371, 373	\$ 728,207	\$ 2,500,000	\$	\$ 2,500,000	\$ 842,936	\$ (1,657,064)		-66.3%	
17	5014	17920	2023	Distribution	Annual	PW9R	PRIVATE WORK - PSNH	364, 365, 366, 367, 368, 369, 371, 373	\$ 532,123	\$ 946,486	\$	\$ 946,486	\$ 510,765	\$ (43,721)		-46.0%	
18	5042	17948	2023	Distribution	Annual	DS9RD3	2023 NH D SS Emergent Annual	362	\$ 506,135	\$ 2,000,000	\$	\$ 2,000,000	\$ 615,611	\$ (1,384,389)		-69.2%	
19	5050	17956	2023	Distribution	Annual	HP99R	ROADWAY LIGHTING	364, 365, 366, 367, 368, 371, 373	\$ 460,858	\$ 836,000	\$	\$ 836,000	\$ 558,704	\$ (277,296)		-33.2%	
20	5102	18008	2023	Distribution	Annual	DA9R	NON-ROADWAY LIGHTING	364, 365, 366, 368, 369, 371, 373	\$ 344,625	\$ 800,000	\$	\$ 800,000	\$ 822,057	\$ 22,057		2.8%	
21	5160	18066	2023	Distribution	Annual	DS9RS2	2022 NH D SS Planned Annual (Eng)	362	\$ 278,615	\$ 3,000,000	\$	\$ 3,000,000	\$ 277,658	\$ (2,722,342)		-90.7%	
22	5166	18072	2023	General	Annual	06WANA23	NH Telecom WAN Annual 2023	397	\$ 270,152	\$ 450,000	\$	\$ 450,000	\$ 408,376	\$ (141,624)		-31.5%	
23	5171	18077	2023	Distribution	Annual	DS9RS3	2023 NH D SS Planned Annual (Eng)	362	\$ 225,098	\$ 1,000,000	\$	\$ 1,000,000	\$ 287,596	\$ (712,404)		-71.2%	
24	5178	18084	2023	Distribution	Annual	PT9R	TEMPORARY WORK - NH	364, 365, 366, 367, 368, 369, 371	\$ 150,619	\$ 692,000	\$	\$ 692,000	\$ 383,609	\$ (308,391)		-44.6%	
25	5229	18135	2023	Distribution	Annual	C01PCB	PCB TRANSFORMER CHANGEOUT PROGRAM	364, 365, 366, 367, 368, 369	\$ 188,403	\$ 250,000	\$ 160,588	\$ 410,588	\$ 410,588	\$ 160,588		64.2%	Higher transformer cost and delays specifically related to transformer availability caused historically high costs
26	5251	18157	2023	Distribution	Annual	D0NP23	2023 NH D SS Planned Annual (Ops)	362	\$ 88,698	\$ 1,500,000	\$	\$ 1,500,000	\$ 105,809	\$ (1,394,191)		-92.9%	
27	5255	18161	2023	Distribution	Annual	C07LE	TELEPHONE PROJECTS ANNUAL	364, 365, 366, 368, 369	\$ 29,915	\$ 385,000	\$	\$ 386,000	\$ (6,058)	\$ (391,058)		-101.6%	
28	5259	18165	2023	Distribution	Annual	GE9R	Tools and Equipment - Engineering	394	\$ 28,065	\$ 142,000	\$	\$ 142,000	\$ 24,356	\$ (117,644)		-82.8%	
29	5267	18173	2023	Distribution	Annual	GM9R23	2023 NH D SS Capital Tool Annual	362	\$ 19,490	\$ 1,500,000	\$	\$ 1,500,000	\$ 23,685	\$ (1,476,315)		-98.4%	
<b>Total</b>									<b>\$ 90,954,626</b>								

**Definitions:**

- Col. A: Plant in Service Year
- Col. B: Plant Type (Distribution/General Plant)
- Col. C: Type of "Annual" program
- Col. D: Internal Company Identifier
- Col. E: Description of work
- Col. F: Plant account(s) for work orders contained within program
- Col. G: Amount of plant additions placed in service for the plant year identified in Col. A.
- Col. H: Annual authorization for programs that meet the criteria for needing an authorization based on Company policy, utilizing the Project Authorization Form (PAF)
- Col. I: Incremental Subsequent Funding Authorization (direct, indirect, including cost of removal) (or N/A for none applicable) based on Company policy, utilizing the Supplement Funding Request (SFR) form and referred to as "Supplement Request" in the Form.
- Col. J: Total Authorization is the Annual Authorization (Col. H), and is referred to as "Total Capital Request" in the Supplement Funding Request (SFR) Form.
- Col. K: Actual Year to Date Program Costs (direct and indirect, including cost of removal) for the calendar year identified in Col. A.
- Col. L: Variance (%) between the Actual Year to Date costs (Col. K) as compared to Annual Authorized amount identified in Col. H.
- Col. M: Variance (%) between the Actual Year to Date (Col. K) as compared to Annual Authorized amount identified in Col. H.
- Col. N: Explanation for programs requiring Incremental Subsequent Funding (Col. I)



