

Public Service Company of New Hampshire d/b/a Eversource Energy
Docket No. DE 23-091

Date Request Received: January 19, 2024
Data Request No. RR-001

Date of Response: January 23, 2024
Page 1 of 1

Request from: New Hampshire Public Utilities Commission

Witness: CHEN, YI-AN; Littlehale, Parker

Request:

Provide the Burgess plant energy output by month for the last two years. Describe the methodology for estimating the Burgess plant energy production for the February 1, 2024 through January 31, 2025 period. Provide estimates of the monthly Burgess plant energy output for the February 1, 2024 through January 31, 2025 period. State all inputs and assumptions used.

Response:

The primary methodology for estimating future generation from Burgess is to rely on past production from the plant, with certain adjustments made to produce the estimated values. For example, the Burgess plant produced [REDACTED] during 2023, and the Company is estimating that Burgess will produce 498,863 MWh during the period from February 2024 through January 2025.

Metrics such as an 'Availability Factor' (what percent of the plant's 67.5 MW bid into the wholesale power market) and 'Outage Factor' (to account for semi-annual plant maintenance) are also factored into the generation forecast.

Monthly generation from the Burgess plant, including actual values from January 2022 through December 2023, along with an estimate for February 2024 through January 2025, are included in Confidential Attachment RR-001.

REDACTED

Public Service Company of New Hampshire d/b/a Eversource Energy
Burgess (Berlin Station, LLC)
Power Purchase Agreement (PPA)
MWh Purchases - Energy

Line #	Description	Reference	Actual Jan-22	Actual Feb-22	Actual Mar-22	Actual Apr-22	Actual May-22	Actual Jun-22	Actual Jul-22	Actual Aug-22	Actual Sep-22	Actual Oct-22	Actual Nov-22	Actual Dec-22	12 Month Total
1	MWh Purchases		39,867	41,769	49,660	32,963	50,322	48,797	50,031	47,101	47,199	33,754	48,882	50,305	540,648
2	MWh Purchases		Actual Jan-23	Actual Feb-23	Actual Mar-23	Actual Apr-23	Actual May-23	Actual Jun-23	Actual Jul-23	Actual Aug-23	Actual Sep-23	Actual Oct-23	Actual Nov-23	Actual Dec-23	12 Month Total
			50,227	45,255	50,143	36,670	41,106	41,067	50,454	46,434	35,777				
3	MWh/Hour Factor	per Forecast	Estimate Feb-24	Estimate Mar-24	Estimate Apr-24	Estimate May-24	Estimate Jun-24	Estimate Jul-24	Estimate Aug-24	Estimate Sep-24	Estimate Oct-24	Estimate Nov-24	Estimate Dec-24	Estimate Jan-25	12 Month Total
4	Availability Factor	per Forecast	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	
			89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	89.0%	
5	Peak Hours	per Forecast	336	336	352	352	320	352	352	320	368	320	336	352	4,096
6	Off Peak Hours	per Forecast	360	407	368	392	400	392	392	400	376	401	408	392	4,688
7	Total Hours	Line 5 + Line 6	696	743	720	744	720	744	744	720	744	721	744	744	8,784
8	Outage Factor	per Forecast	100%	100%	67%	100%	100%	100%	100%	100%	68%	100%	100%	100%	
9	MWh Purchases	Line 3 * Line 4 * Line 7 * Line 8	41,812	44,636	28,836	44,696	43,254	44,696	44,696	43,254	30,278	43,314	44,696	44,696	498,863

Public Service Company of New Hampshire d/b/a Eversource Energy
Docket No. DE 23-091

Date Request Received: January 19, 2024
Data Request No. RR-002

Date of Response: January 23, 2024
Page 1 of 1

Request from: New Hampshire Public Utilities Commission

Witness: CHEN, YI-AN; Littlehale, Parker

Request:

Update the Table in prior response to PUC 1-003 to reflect actuals for December 2023, the assumptions behind the ECR calculation and estimate in Luann's January 16 letter in DE 19-142, and to run through the end of January 2025 (i.e., add in the months of December and January for the new SCRC period). State all inputs and assumptions used in the updated table.

Response:

Please see Attachment RR-004 in response to Record Request No. RR-004.

Public Service Company of New Hampshire d/b/a Eversource Energy
Docket No. DE 23-091

Date Request Received: January 19, 2024
Data Request No. RR-003

Date of Response: January 23, 2024
Page 1 of 2

Request from: New Hampshire Public Utilities Commission

Witness: CHEN, YI-AN; Littlehale, Parker

Request:

Provide a chart showing the monthly and resulting annual payments from Eversource to Burgess for energy, capacity, and RECs (in total \$ and on a \$/MWh basis) forecasted for December 2023 through the end of January 2025. State all inputs and assumptions used.

Response:

Please see Confidential Attachment RR-003.

This response has been prepared based on and consistent with the inputs and assumptions used by the Company in developing the forecasts and estimates underlying the SCRC rate components as proposed in the January 8th updated filing, Hearing Exhibit 2, except with respect to the amount of the Excess Cumulative Reduction balance and the amount of set-offs against payments otherwise due to the Burgess plant owner. Page 1 of Attachment RR-003 shows set-offs against energy payments only under PPA Section 6.1.4(c), while Page 2 also includes additional set-offs under PPA Section 10.3, as described further below.

Following a further review of the Burgess Amended and Restated Power Purchase Agreement ("PPA") provisions, the Company has very recently decided to set-off against payments for Renewable Energy Certificates, which were received within the last week and after the SCRC filing, in addition to Capacity and Energy payments. That additional set-off will be implemented under PPA Section 10.3 of Article 10 Billing and Payment, when other components on the Burgess invoice are insufficient to cover the amounts owed to the Company.

The schedules provided with the January 8th updated filing do not account for those additional set-offs. The Company is prepared to update those schedules and submit an updated filing, if so directed by the Commission, prior to the effective date of the SCRC rate adjustment on February 1, 2024. Future changes in any of the relevant variables, however, such as wholesale market energy prices, Burgess facility energy production, payment offset amounts, retail sales revenues, and/or contract administration and enforcement by either party, would be captured through the

Public Service Company of New Hampshire d/b/a Eversource Energy
Docket No. DE 23-091

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Data Request No. RR-003

Date of Response: January 23, 2024
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annual reconciliation process (i.e., the actual values would be “trued-up” against the estimated values).

Based on the timing of this recent development and the reconciling nature of the SCRC rate, the Company requests that the Commission approve the SCRC rate adjustment as proposed in the January 8th updated filing, Hearing Exhibit 2, subject to reconciliation in connection with the next annual filing that will be made in December 2024 for adjusted SCRC rates effective February 1, 2025.

REDACTED

Public Service Company of New Hampshire d/b/a Eversource Energy
Burgess (Berlin Station, LLC)
Power Purchase Agreement (PPA)
Section 6.1.4(c)

Line #	PPA Description		Reference	Estimate Dec-23	Estimate Jan-24	Estimate Feb-24	Estimate Mar-24	Estimate Apr-24	Estimate May-24	Estimate Jun-24	Estimate Jul-24	Estimate Aug-24	Estimate Sep-24	Estimate Oct-24	Estimate Nov-24	Estimate Dec-24	Estimate Jan-25	14 Month Total
1	Energy	MWh Purchase		44,696	44,696	41,812	44,636	28,836	44,696	43,254	44,696	44,696	43,254	30,278	43,314	44,696	44,696	588,254
2		Rate (\$ per MWh)	Base Price	per PPA	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	
3			Wood Price per Ton	per PPA														
4			Initial Wood Price	per PPA	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00
5			FPA (\$ per Ton)	Line 3 - Line 4														
6			Multiplier (Tons per MWh)	per PPA	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
7			FPA (\$ per MWh)	Line 5 * Line 6														
8			Total Price	Line 2 + Line 7														
9	Attachments YC/EAD-1 and 2, Page 6, Line 2																	
	Energy Expense		Line 1 * Line 8	\$ 3,892,110	\$ 3,892,110	\$ 3,641,006	\$ 3,886,879	\$ 2,511,039	\$ 3,892,110	\$ 3,766,558	\$ 3,892,110	\$ 3,892,110	\$ 3,766,558	\$ 2,636,591	\$ 3,771,790	\$ 3,892,110	\$ 3,892,110	\$ 51,225,193
10	Capacity	kW Purchase	per PPA	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	915,320
11		Rate (\$ per kW)																
12			Base Price	per PPA	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.15	\$ 5.15
13			Adder (\$ per kW)	per PPA	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15
		Total Price	Line 11 + Line 12	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.30	\$ 5.30
14	Attachments YC/EAD-1 and 2, Page 6, Line 9																	
	Capacity Expense		Line 10 * Line 13	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 346,514	\$ 346,514	\$ 4,733,512
15	RECs	RECs Vintage Year	per PPA	2023 (Q3)			2023 (Q4)			2024 (Q1)			2024 (Q2)			2024 (Q3)		
16		RECs Delivered	per PPA	-														
17		Rate (\$ per REC)	ACP	per PPA	\$ -	\$ 80.59	\$ -	\$ -	\$ 80.59	\$ -	\$ -	\$ 81.80	\$ -	\$ -	\$ 81.80	\$ -	\$ -	\$ 81.80
18			ACP Allocation %	per PPA	0%	75%	0%	0%	75%	0%	0%	75%	0%	0%	75%	0%	0%	75%
19		\$ per REC Delivered	Line 17 * Line 18	\$ -	\$ 60.44	\$ -	\$ -	\$ 60.44	\$ -	\$ -	\$ 61.35	\$ -	\$ -	\$ 61.35	\$ -	\$ -	\$ 61.35	
20	Attachments YC/EAD-1 and 2, Page 6, Line 14																	
	REC Expense		Line 16 * Line 19	\$ -	\$ 5,151,333	\$ -	\$ -	\$ 2,701,526	\$ -	\$ -	\$ 8,045,554	\$ -	\$ -	\$ 7,164,708	\$ -	\$ -	\$ 6,587,344	\$ 29,650,465
21	ECR	Energy Expense	Section 6.1.4(c)	Line 9	\$ 3,892,110	\$ 3,892,110	\$ 3,641,006	\$ 3,886,879	\$ 2,511,039	\$ 3,892,110	\$ 3,766,558	\$ 3,892,110	\$ 3,892,110	\$ 3,766,558	\$ 2,636,591	\$ 3,771,790	\$ 3,892,110	\$ 51,225,193
22		Capacity Expense	Section 10.3	Line 14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23		REC Expense	Section 10.3	Line 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24			Total	Line 21 + Line 22 + Line 23	\$ 3,892,110	\$ 3,892,110	\$ 3,641,006	\$ 3,886,879	\$ 2,511,039	\$ 3,892,110	\$ 3,766,558	\$ 3,892,110	\$ 3,892,110	\$ 3,766,558	\$ 2,636,591	\$ 3,771,790	\$ 3,892,110	\$ 3,892,110
25		per PPA	ECR Amortization	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 3,306,595	\$ 3,306,595	\$ 77,208,601
26	Attachments YC/EAD-1 and 2, Page 6, Line 20																	
	PPA Adjustment		Lesser of Line 24 and Line 25	\$ 3,892,110	\$ 3,892,110	\$ 3,641,006	\$ 3,886,879	\$ 2,511,039	\$ 3,892,110	\$ 3,766,558	\$ 3,892,110	\$ 3,892,110	\$ 3,766,558	\$ 2,636,591	\$ 3,771,790	\$ 3,306,595	\$ 3,306,595	\$ 50,054,162
27	Line 9 + Line 14 + Line 20 - Line 26																	
	Estimated Payment		Line 26	\$ 336,707	\$ 5,488,040	\$ 336,707	\$ 336,707	\$ 3,038,233	\$ 336,707	\$ 336,707	\$ 8,382,261	\$ 336,707	\$ 336,707	\$ 7,501,415	\$ 336,707	\$ 932,029	\$ 7,519,373	\$ 35,555,000

** Vintage 2024 REC Rate = Vintage 2023 REC Rate adjusted by 1.5 percent inflation factor

REDACTED

Public Service Company of New Hampshire d/b/a Eversource Energy
Burgess (Berlin Station, LLC)
Power Purchase Agreement (PPA)
Section 10.3

Line #	PPA Description	Reference	Estimate Dec-23	Estimate Jan-24	Estimate Feb-24	Estimate Mar-24	Estimate Apr-24	Estimate May-24	Estimate Jun-24	Estimate Jul-24	Estimate Aug-24	Estimate Sep-24	Estimate Oct-24	Estimate Nov-24	Estimate Dec-24	Estimate Jan-25	14 Month Total
1	Energy	MWh Purchase	44,696	44,696	41,812	44,636	28,836	44,696	43,254	44,696	44,696	43,254	30,278	43,314	44,696	44,696	588,254
2		Rate (\$ per MWh)	per PPA	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	
3		Base Price	per PPA	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	\$ 69.80	
4		Wood Price per Ton	per PPA	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	
5		Initial Wood Price	per PPA	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	\$ 30.00	
6		FPA (\$ per Ton)	Line 3 - Line 4	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	
7		Multiplier (Tons per MWh)	per PPA	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	\$ 1.60	
8		FPA (\$ per MWh)	Line 5 * Line 6	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	\$ 2.56	
9		Total Price	Line 2 + Line 7	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	\$ 72.40	
9	Energy Expense	Attachments YC/EAD-1 and 2, Page 6, Line 2	Line 1 * Line 8	\$ 3,892,110	\$ 3,892,110	\$ 3,641,006	\$ 3,886,879	\$ 2,511,039	\$ 3,892,110	\$ 3,766,558	\$ 3,892,110	\$ 3,892,110	\$ 3,766,558	\$ 2,636,591	\$ 3,771,790	\$ 3,892,110	\$ 51,225,193
10	Capacity	kW Purchase	per PPA	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	65,380	915,320
11		Base Price	per PPA	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.00	\$ 5.15	
12		Adder (\$ per kW)	per PPA	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	\$ 0.15	
13		Total Price	Line 11 + Line 12	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.15	\$ 5.30	
14	Capacity Expense	Attachments YC/EAD-1 and 2, Page 6, Line 9	Line 10 * Line 13	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 336,707	\$ 346,514	\$ 4,733,512
15	RECs	RECs Vintage Year	per PPA	2023 (Q3)	2023 (Q4)	2024 (Q1)	2024 (Q2)	2024 (Q3)									
16		RECs Delivered	per PPA	-	-	-	-	-	-	-	-	-	-	-	-	-	
17		Rate (\$ per REC)	per PPA	\$ 80.59	\$ 80.59	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	\$ 81.80	
18		ACP Allocation %	per PPA	0%	75%	0%	75%	0%	75%	0%	75%	0%	75%	0%	75%	0%	
19		\$ per REC Delivered	Line 17 * Line 18	\$ 60.44	\$ 60.44	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	\$ 61.35	
20	REC Expense	Attachments YC/EAD-1 and 2, Page 6, Line 14	Line 16 * Line 19	\$ -	\$ 5,151,333	\$ -	\$ -	\$ 2,701,526	\$ -	\$ -	\$ 8,045,554	\$ -	\$ -	\$ 7,164,708	\$ -	\$ -	\$ 29,650,465
21	ECR	Energy Expense	Section 6.1.4(c)	Line 9	\$ 3,892,110	\$ 3,892,110	\$ 3,641,006	\$ 3,886,879	\$ 2,511,039	\$ 3,892,110	\$ 3,766,558	\$ 3,892,110	\$ 3,766,558	\$ 2,636,591	\$ 3,771,790	\$ 3,892,110	\$ 51,225,193
22		Capacity Expense	Section 10.3	Line 14	336,707	336,707	336,707	336,707	336,707	336,707	336,707	336,707	336,707	336,707	336,707	346,514	4,733,512
23		REC Expense	Section 10.3	Line 20	-	5,151,333	-	-	2,701,526	-	-	8,045,554	-	-	7,164,708	-	29,650,465
24		Total	Line 21 + Line 22 + Line 23	\$ 4,228,817	\$ 9,380,150	\$ 3,977,713	\$ 4,223,586	\$ 5,549,272	\$ 4,228,817	\$ 4,103,265	\$ 12,274,372	\$ 4,228,817	\$ 4,103,265	\$ 10,138,006	\$ 4,108,497	\$ 4,238,624	\$ 85,609,170
25		per PPA	ECR Amortization	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 5,882,951	\$ 2,226,601	\$ 75,048,613
26	PPA Adjustment	Attachments YC/EAD-1 and 2, Page 6, Line 20	Lesser of Line 24 and Line 25	\$ 4,228,817	\$ 5,882,951	\$ 3,977,713	\$ 4,223,586	\$ 5,549,272	\$ 4,228,817	\$ 4,103,265	\$ 5,882,951	\$ 4,228,817	\$ 4,103,265	\$ 5,882,951	\$ 4,108,497	\$ 2,226,601	\$ 60,854,104
27	Estimated Payment	Line 9 + Line 14 + Line 20 - Line 26		\$ -	\$ 3,497,199	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,391,421	\$ -	\$ -	\$ 4,255,055	\$ -	\$ 2,012,024	\$ 8,599,367

** Vintage 2024 REC Rate = Vintage 2023 REC Rate adjusted by 1.5 percent inflation factor

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Request from: New Hampshire Public Utilities Commission

Witness: CHEN, YI-AN; Littlehale, Parker

Request:

Provide an updated Table similar to that included in the prior response to PUC 1-003 to reflect actuals for December 2023, the assumptions behind the ECR calculation and estimate in Luann's January 16 letter in DE 19-142, and to run through the end of January 2027 (i.e., add two more SCRC 12-month periods to the presentation). State all inputs and assumptions used in the updated table.

Response:

Please see Attachment RR-004. This response has been prepared based on and consistent with the inputs and assumptions used by the Company in developing the forecasts and estimates underlying the SCRC rate components as proposed in the January 8th updated filing, Hearing Exhibit 2, except with respect to the amount of the Excess Cumulative Reduction balance and forecasted forward energy market prices, which have been updated, and also the amount of set-offs against payments otherwise due to the Burgess plant owner. Page 1 of Attachment RR-004 shows set-offs against energy payments only under PPA Section 6.1.4(c), while Page 2 of Attachment RR-004 also includes additional set-offs under PPA Section 10.3, as described further below.

Following a further review of the Burgess Amended and Restated Power Purchase Agreement ("PPA") provisions, the Company has very recently decided to set-off against payments for Renewable Energy Certificates, which were received within the last week and after the SCRC filing, in addition to Capacity and Energy payments. That additional set-off will be implemented under PPA Section 10.3 of Article 10 Billing and Payment, when other components on the Burgess invoice are insufficient to cover the amounts owed to the Company.

The schedules provided with the January 8th updated filing do not account for those additional set-offs. The Company is prepared to update those schedules and submit an updated filing, if so directed by the Commission, prior to the effective date of the SCRC rate adjustment on February 1, 2024. Future changes in any of the relevant variables, however, such as wholesale market energy prices, Burgess facility energy production, payment offset amounts, retail sales revenues,

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and/or contract administration and enforcement by either party, would be captured through the annual reconciliation process (i.e., the actual values would be “trued-up” against the estimated values).

Based on the timing of this recent development and the reconciling nature of the SCRC rate, the Company requests that the Commission approve the SCRC rate adjustment as proposed in the January 8th updated filing, Hearing Exhibit 2, subject to reconciliation in connection with the next annual filing that will be made in December 2024 for adjusted SCRC rates effective February 1, 2025.

Public Service Company of New Hampshire d/b/a Eversource Energy
Burgess (Berlin Station, LLC)
Burgess PPA Excess Cumulative Reduction (ECR) Forecast
\$ in 000s

<u>Line #</u>	<u>Month/Year</u> Col. A	Actual/Estimated ECR Operating Year ** <u>End Balance</u> Col. B	Actual/Estimated ECR <u>Amort</u> Col. C	Actual/ Estimated Energy <u>Payment</u> Col. D	Actual/Estimated PPA Energy <u>Adjustment</u> Col. E	Operating Years Dec 2023 to Dec 2026 ECR <u>Actual/Estimate</u> Col. F Projected difference between Energy Prices paid under PPA versus Forward Energy Prices as of Q4 2023	Actual/Estimated ECR <u>Balance</u> Col. G	Col. G prior - Col. E current + Col. F current	Operating Year	DE 19-142 Letter (1/16/2024)
			Col. B / 12		Lesser amount of Cols. C & D					
1	Nov-23						\$ 71,543		10 (end)	
2	Dec-23	\$ 71,543	5,962	2,276	2,276	1,635	70,902		11 (begin)	\$ 70,902
3	Jan-24		5,962	3,892	3,892	822	67,832			
4	Feb-24		5,962	3,641	3,641	508	64,699			
5	Mar-24		5,962	3,887	3,887	1,898	62,711			
6	Apr-24		5,962	2,511	2,511	1,624	61,824			
7	May-24		5,962	3,892	3,892	2,563	60,495			
8	Jun-24		5,962	3,767	3,767	2,342	59,071			\$ 59,071
9	Jul-24		5,962	3,892	3,892	1,625	56,803			
10	Aug-24		5,962	3,892	3,892	2,019	54,931			
11	Sep-24		5,962	3,767	3,767	2,291	53,455			
12	Oct-24		5,962	2,637	2,637	1,736	52,555			
13	Nov-24		5,962	3,772	3,772	1,749	50,532		11 (end)	
14	Dec-24	50,532	4,211	3,892	3,892	183	46,823		12 (begin)	
15	Jan-25		4,211	3,892	3,892	(938)	41,992			
16	Feb-25		4,211	3,515	3,515	(390)	38,087			
17	Mar-25		4,211	3,887	3,887	1,206	35,406			
18	Apr-25		4,211	2,511	2,511	1,461	34,356			
19	May-25		4,211	3,892	3,892	2,443	32,907			
20	Jun-25		4,211	3,767	3,767	2,172	31,313			
21	Jul-25		4,211	3,892	3,892	1,567	28,988			
22	Aug-25		4,211	3,892	3,892	1,743	26,838			
23	Sep-25		4,211	3,767	3,767	2,241	25,312			
24	Oct-25		4,211	2,637	2,637	1,739	24,415			
25	Nov-25		4,211	3,761	3,761	1,637	22,291		12 (end)	
26	Dec-25	22,291	1,858	3,892	1,858	529	20,963		13 (begin)	
27	Jan-26		1,858	3,892	1,858	(1,277)	17,828			
28	Feb-26		1,858	3,515	1,858	(892)	15,079			
29	Mar-26		1,858	3,887	1,858	1,528	14,750			
30	Apr-26		1,858	2,511	1,858	1,519	14,411			
31	May-26		1,858	3,892	1,858	2,349	14,903			
32	Jun-26		1,858	3,767	1,858	2,094	15,139			
33	Jul-26		1,858	3,892	1,858	1,621	14,902			
34	Aug-26		1,858	3,892	1,858	1,812	14,857			
35	Sep-26		1,858	3,767	1,858	2,113	15,112			
36	Oct-26		1,858	2,637	1,858	1,648	14,902			
37	Nov-26		1,858	3,772	1,858	1,859	14,904		13 (end)	
38	Dec-26	14,904	1,242	3,892	1,242	751	14,413		14 (begin)	
39	Jan-27		1,242	3,892	1,242	(804)	12,368			
40	Total	\$	146,850	\$	136,229	\$	109,905	\$	50,730	

** Note: Operating year = fiscal period December to November

Public Service Company of New Hampshire d/b/a Eversource Energy
Burgess (Berlin Station, LLC)
Burgess PPA Excess Cumulative Reduction (ECR) Forecast
\$ in 000s

<u>Line #</u>	<u>Month/Year</u> Col. A	Actual/Estimated ECR Operating Year ** <u>End Balance</u> Col. B	Actual/Estimated ECR <u>Amort</u> Col. C	Actual/ Estimated Energy <u>Payment</u> Col. D	Actual/ Estimated Capacity <u>Payment</u> Col. E	Actual/ Estimated REC <u>Payment</u> Col. F	Actual/ Estimated PPA <u>Payments</u> Col. G	Actual/Estimated PPA Payments <u>Adjustment</u> Col. H	Operating Years Dec 2023 to Dec 2026 ECR <u>Actual/Estimate</u> Col. I	Actual/Estimated ECR <u>Balance</u> Col. J	Operating Year	DE 19-142 Letter <u>(1/16/2024)</u>	<u>Change</u>
									Projected difference between Energy Prices paid under PPA versus Forward Energy Prices as of Q4 2023				
				Col. B / 12	Section 6.1.4(c)	Section 10.3	Col. D + Col. E + Col. F	Lesser amount of Cols. C & G	Col. J prior - Col. H current + Col. I current				
1	Nov-23									\$ 71,543	10 (end)		
2	Dec-23	\$ 71,543	5,962	2,276	337	-	2,613	2,613	1,635	70,565	11 (begin)	\$ 70,902	\$ (337)
3	Jan-24		5,962	3,892	337	5,151	9,380	5,962	822	65,425			
4	Feb-24		5,962	3,641	337	-	3,978	3,978	508	61,956			
5	Mar-24		5,962	3,887	337	-	4,224	4,224	1,898	59,631			
6	Apr-24		5,962	2,511	337	2,702	5,549	5,549	1,624	55,706			
7	May-24		5,962	3,892	337	-	4,229	4,229	2,563	54,040			
8	Jun-24		5,962	3,767	337	-	4,103	4,103	2,342	52,279		\$ 59,071	\$ (6,792)
9	Jul-24		5,962	3,892	337	8,046	12,274	5,962	1,625	47,942			
10	Aug-24		5,962	3,892	337	-	4,229	4,229	2,019	45,733			
11	Sep-24		5,962	3,767	337	-	4,103	4,103	2,291	43,921			
12	Oct-24		5,962	2,637	337	7,165	10,138	5,962	1,736	39,695			
13	Nov-24		5,962	3,772	337	-	4,108	4,108	1,749	37,336	11 (end)		
14	Dec-24	37,336	3,111	3,892	347	-	4,239	3,111	183	34,407	12 (begin)		
15	Jan-25		3,111	3,892	347	6,587	10,826	3,111	(938)	30,357			
16	Feb-25		3,111	3,515	347	-	3,862	3,111	(390)	26,856			
17	Mar-25		3,111	3,887	347	-	4,233	3,111	1,206	24,950			
18	Apr-25		3,111	2,511	347	2,742	5,600	3,111	1,461	23,300			
19	May-25		3,111	3,892	347	-	4,239	3,111	2,443	22,632			
20	Jun-25		3,111	3,767	347	-	4,113	3,111	2,172	21,693			
21	Jul-25		3,111	3,892	347	8,076	12,315	3,111	1,567	20,149			
22	Aug-25		3,111	3,892	347	-	4,239	3,111	1,743	18,780			
23	Sep-25		3,111	3,767	347	-	4,113	3,111	2,241	17,910			
24	Oct-25		3,111	2,637	347	7,272	10,255	3,111	1,739	16,538			
25	Nov-25		3,111	3,761	347	-	4,108	3,111	1,637	15,064	12 (end)		
26	Dec-25	15,064	1,255	3,892	356	-	4,248	1,255	529	14,338	13 (begin)		
27	Jan-26		1,255	3,892	356	6,776	11,024	1,255	(1,277)	11,805			
28	Feb-26		1,255	3,515	356	-	3,872	1,255	(892)	9,658			
29	Mar-26		1,255	3,887	356	-	4,243	1,255	1,528	9,932			
30	Apr-26		1,255	2,511	356	2,783	5,651	1,255	1,519	10,195			
31	May-26		1,255	3,892	356	-	4,248	1,255	2,349	11,289			
32	Jun-26		1,255	3,767	356	-	4,123	1,255	2,094	12,127			
33	Jul-26		1,255	3,892	356	8,198	12,446	1,255	1,621	12,493			
34	Aug-26		1,255	3,892	356	-	4,248	1,255	1,812	13,050			
35	Sep-26		1,255	3,767	356	-	4,123	1,255	2,113	13,907			
36	Oct-26		1,255	2,637	356	7,381	10,374	1,255	1,648	14,300			
37	Nov-26		1,255	3,772	356	-	4,128	1,255	1,859	14,904	13 (end)		
38	Dec-26	14,904	1,242	3,892	366	-	4,258	1,242	751	14,413	14 (begin)		
39	Jan-27		1,242	3,892	366	6,878	10,770	1,242	(804)	12,368			
40	Total		\$ 126,426	\$ 136,229	\$ 13,207	\$ 79,757	\$ 228,827	\$ 109,905	\$ 50,730				

** Note: Operating year = fiscal period December to November

Public Service Company of New Hampshire d/b/a Eversource Energy
Docket No. DE 23-091

Date Request Received: January 19, 2024
Data Request No. RR-005

Date of Response: January 23, 2024
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Request from: New Hampshire Public Utilities Commission

Witness: CHEN, YI-AN; Littlehale, Parker

Request:

Provide a more detailed explanation of how the Excess Cumulative Reduction amount is calculated and updated.

Response:

The Excess Cumulative Reduction (ECR) captures the difference between the energy payments to Burgess under the PPA, which is the generation produced by the plant valued at the PPA contract rate, versus the value of that generation delivered to the ISO New England wholesale power market.

In a simplified example, if the Burgess facility generated 40,000 MWh during a month and the PPA contract rate was \$85/MWh while the wholesale power price was \$50/MWh:

- **Energy payments to Burgess at PPA contract rate:** $40,000 \text{ MWh} \times \$85/\text{MWh} = \$3.4 \text{ million}$.
- **Value of Burgess generation delivered to wholesale power market:** $40,000 \text{ MWh} \times \$50/\text{MWh} = \$2 \text{ million}$.
- **Monthly change in ECR:** $\$3.4 \text{ million} - \$2 \text{ million} = \$1.4 \text{ million added to the ECR}$.

Conversely, if the Burgess facility generated 40,000 MWh during a month and the contract rate was \$85/MWh while the wholesale power price was \$125/MWh:

- **Burgess revenue under PPA contract rate:** $40,000 \text{ MWh} \times \$85/\text{MWh} = \$3.4 \text{ million}$.
- **Value of Burgess generation delivered to wholesale power market:** $40,000 \text{ MWh} \times \$125/\text{MWh} = \$5 \text{ million}$.
- **Monthly change in ECR:** $\$3.4 \text{ million} - \$5 \text{ million} = \$1.6 \text{ million subtracted from the ECR}$.

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Replicating that calculation over the life of the PPA led to an ECR amount over the \$100 million cap for the period ending December 31, 2023 in the total amount of \$70.9 million, as filed with the Commission on January 16, 2024 in Docket No. DE 19-142.

It should be noted that the ECR calculations described above continue to apply even while set-offs against payments to the Burgess plant are implemented with respect to periods after November 30, 2023. As a result, the ECR amount is not a fixed number and will continue to change due to variable Burgess plant output and changing wholesale power market prices.