

**Northern Utilities, Inc.**  
**DG 22-059**  
**Winter 2022-2023 and Summer 2023 Cost of Gas, Department of Energy (DOE)**  
**Data Request Set 1**

**Request No. DOE 1-3:**

Reference: COG Filing

- a. Please identify the Company's EE Charge under- or over-collection for the period November 1, 2021 through October 31, 2022. Does the Company understand the under-or over-collection to result from a change in therm sales (relative to the therm sales forecast in Docket No. DG 21-131) or something else? Please be as specific as possible and provide supporting data and calculations.
- b. Please identify the Company's EE Charge under- or over-collection carried forward (i.e., remaining to be reconciled) for any period prior to November 1 2021, if any. What caused the over- or under-collection? Please be as specific as possible and provide supporting data and calculations.

**Response:**

- a. Please see DOE 1-3a Attachment. Page 1 provides the reconciliation of the residential sector for the November 2021 through October 2022 period. As shown, the ending balance, reflecting actual data through September 2022 and a forecast for October 2022, is an over-collection of \$94,701. Please see the variance analysis table on page 1 for a comparison of forecast vs actual data for the period. Forecast data is from the Company's EEC schedules filed in DG 21-131. This analysis shows that actual sales, costs, and costs allocated from the low income sector were less than forecast while collections, interest and actual PI was greater than forecast. In addition, the actual beginning balance for November 1, 2021 was an under-collection of \$74,169 vs the forecasted over-collection of \$1,137 from the Company's EEC schedules filed in DG 21-131.

Page 2 provides the reconciliation and analysis for the Commercial & Industrial (C&I) sector. The ending balance is expected to be an over-collection of \$262,073. Variance analysis of the C&I sector shows that sales, collections and interest were below forecast and costs, PI and costs allocated from low income were greater than forecast. One factor contributing to the increase in collections is that during the November 2021 – October 2022 period the EEC rate reverted to 2020 levels. For the C&I sector, this rate was greater than the calculated EEC from the Company's filing in DG 21-131. The forecasted beginning balance for the C&I sector for November 2021 period was an over-collection of \$279,480, the actual beginning balance was an over-collection of \$664,270.

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The actual under/over-collection for program year 2022 will not be known until after the program year is complete.

- b. All prior period over-under collections are reflected in the beginning balances for November 2021. As shown in the attachments, over/under collections are caused by differences in forecasted sales, costs and collections.

**Person Responsible:** S. E. Demeris

**Date:** 10/17/22

**Northern Utilities, Inc.**  
**New Hampshire Division**  
**Reconciliation of the EEC Charge, a Component of the Local Distribution Adjustment Charge**  
**November 1, 2021 through October 31, 2022**  
**Residential Customers**

Forecast - as Filed DG 21-133		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
November-21	Forecast	(\$1,137)	\$0.0449	\$69,103	\$30,950	\$4,769	\$9,220	\$554	(\$24,747)	(\$12,942)	3.25%		(\$34,57)	1,539,048	30
December-21	Forecast	(\$24,782)	\$0.0449	\$117,580	\$30,950	\$4,769	\$11,008	\$661	(\$94,973)	(\$59,877)	3.25%		(\$165,28)	2,618,699	31
January-22	Forecast	(\$95,138)	\$0.0449	\$162,524	\$25,558	\$3,905	\$3,773	\$576	(\$223,849)	(\$159,494)	3.25%		(\$440,25)	3,619,686	31
February-22	Forecast	(\$224,289)	\$0.0449	\$175,051	\$42,597	\$3,905	\$6,547	\$600	(\$345,691)	(\$284,990)	3.25%		(\$710,52)	3,898,694	28
March-22	Forecast	(\$346,402)	\$0.0449	\$130,011	\$51,117	\$3,905	\$7,272	\$555	(\$413,563)	(\$379,982)	3.25%		(\$1,048,85)	2,895,562	31
April-22	Forecast	(\$414,612)	\$0.0449	\$98,906	\$59,636	\$3,905	\$8,344	\$546	(\$441,087)	(\$427,850)	3.25%		(\$1,142,89)	2,202,807	30
May-22	Forecast	(\$442,230)	\$0.0449	\$56,808	\$59,636	\$3,905	\$7,072	\$463	(\$427,961)	(\$435,095)	3.25%		(\$1,200,98)	1,265,203	31
June-22	Forecast	(\$429,162)	\$0.0449	\$28,229	\$102,234	\$3,905	\$9,206	\$352	(\$341,694)	(\$385,428)	3.25%		(\$1,029,57)	628,698	30
July-22	Forecast	(\$342,724)	\$0.0449	\$18,382	\$110,753	\$3,905	\$7,603	\$268	(\$238,577)	(\$290,650)	3.25%		(\$802,27)	409,403	31
August-22	Forecast	(\$239,379)	\$0.0449	\$16,443	\$59,636	\$3,905	\$3,667	\$240	(\$188,374)	(\$213,877)	3.25%		(\$590,36)	366,219	31
September-22	Forecast	(\$188,964)	\$0.0449	\$17,630	\$119,273	\$3,905	\$7,622	\$250	(\$75,545)	(\$132,254)	3.25%		(\$353,28)	392,644	30
October-22	Forecast	(\$75,898)	\$0.0449	\$27,433	\$85,195	\$3,905	\$6,512	\$298	(\$7,420)	(\$41,659)	3.25%		(\$114,99)	610,971	31

November 2021 thru October 2022 Totals 

\$918,099	\$777,537	\$48,587	\$87,847	\$5,364									-\$7,634	20,447,634	
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		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
November-21	Actual	\$74,169	\$0.0449	\$71,573	\$33,273	\$3,287	\$23,582	\$349	\$63,087	\$68,628	3.25%		\$183,32	1,166,613	30
December-21	Actual	\$63,270	\$0.0449	\$109,269	\$32,917	\$3,287	\$1,378	\$452	(\$7,965)	\$27,653	3.25%		\$76,33	2,433,499	31
January-22	Actual	(\$7,889)	\$0.0476	\$155,767	\$16,661	\$0	\$2,307	\$0	(\$144,688)	(\$76,288)	3.25%		(\$210,58)	3,369,745	31
February-22	Actual	(\$144,898)	\$0.0476	\$171,599	\$35,078	\$0	\$2,571	\$0	(\$278,848)	(\$211,873)	3.25%		(\$528,23)	3,604,902	28
March-22	Actual	(\$279,376)	\$0.0499	\$143,459	\$127,262	\$0	\$3,299	\$0	(\$292,273)	(\$285,825)	3.25%		(\$788,96)	2,938,474	31
April-22	Actual	(\$293,062)	\$0.0499	\$87,884	\$49,497	\$15,673	\$2,741	\$2,704	(\$310,331)	(\$301,697)	3.25%		(\$447,54)(1)	1,761,356	30
May-22	Actual	(\$310,778)	\$0.0499	\$54,152	\$42,801	\$3,918	\$2,558	\$591	(\$315,361)	(\$313,070)	3.25%		(\$864,16)	1,085,211	31
June-22	Actual	(\$316,225)	\$0.0499	\$24,314	\$53,507	\$17,071 (1)	\$1,993	\$966 (1)	(\$267,003)	(\$291,614)	3.25%		(\$162,47)(1)	487,419	30
July-22	Actual	(\$267,165)	\$0.0499	\$17,980	\$19,751	\$3,918	\$33,548	\$364	(\$227,565)	(\$247,365)	4.00%		(\$840,36)	360,397	31
August-22	Forecast	(\$228,405)	\$0.0499	\$17,462	\$76,007	\$3,918	\$13,858	\$675	(\$151,408)	(\$189,907)	4.00%		(\$645,16)	349,934	31
September-22	Forecast	(\$152,053)	\$0.0499	\$18,250	\$152,015	\$3,918	\$13,858	\$675	\$163	(\$75,945)	4.00%		(\$249,68)	365,729	30
October-22	Forecast	(\$87)	\$0.0499	\$32,465	\$108,582	\$3,918	\$13,858	\$675	\$94,481	\$47,197	5.50%		\$220,47	650,608	31

November 2021 thru October 2022 Totals 

\$904,174	\$747,351	\$58,910	\$115,251	\$7,451									-\$4,257	18,573,886	
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Forecast therm Sales from Company Forecast as seen in Attachment NUI-FXW-1.  
Actual Performance Incentives includes reconciliations from prior year(s).  
(1) Reflects interest adjustments associated with PI true-up and reclass of costs.

Variance Analysis	Forecast Sales		Actual 10/31/21 Under		Forecast Collections		Actual Collections		Forecast Cost		Actual Cost		Forecast PI		Actual PI		Forecast Allocated LI Costs		Forecast Interest		Actual Interest	
	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual	Forecast	Actual
November-21	1,539,048	1,166,613	-\$1,137	\$74,169	\$69,103	\$71,573	\$30,950	\$33,273	\$4,769	\$3,287	\$9,774	\$23,931	-\$35	\$183								
December-21	2,618,699	2,433,499	\$0	\$0	\$117,580	\$109,269	\$30,950	\$32,917	\$4,769	\$3,287	\$11,670	\$1,830	-\$165	\$76								
January-22	3,619,686	3,369,745	\$0	\$0	\$162,524	\$155,767	\$25,558	\$16,661	\$3,905	\$0	\$4,349	\$2,307	-\$440	-\$211								
February-22	3,898,694	3,604,902	\$0	\$0	\$175,051	\$171,599	\$42,597	\$35,078	\$3,905	\$0	\$7,148	\$2,571	-\$711	-\$528								
March-22	2,895,562	2,938,474	\$0	\$0	\$130,011	\$143,459	\$51,117	\$127,262	\$3,905	\$0	\$7,827	\$3,299	-\$1,049	-\$789								
April-22	2,202,807	1,761,356	\$0	\$0	\$98,906	\$87,884	\$59,636	\$49,497	\$3,905	\$15,673	\$8,890	\$5,445	-\$1,143	-\$448								
May-22	1,265,203	1,085,211	\$0	\$0	\$56,808	\$54,152	\$59,636	\$42,801	\$3,905	\$3,918	\$7,535	\$2,849	-\$1,201	-\$864								
June-22	628,698	487,419	\$0	\$0	\$28,229	\$24,314	\$102,234	\$53,507	\$3,905	\$17,071	\$9,557	\$2,959	-\$1,030	-\$162								
July-22	409,403	360,397	\$0	\$0	\$18,382	\$17,980	\$110,753	\$19,751	\$3,905	\$3,918	\$7,871	\$33,912	-\$802	-\$840								
August-22	366,219	349,934	\$0	\$0	\$16,443	\$17,462	\$59,636	\$76,007	\$3,905	\$3,918	\$3,907	\$14,533	-\$590	-\$645								
September-22	392,644	365,729	\$0	\$0	\$17,630	\$119,273	\$152,015	\$3,905	\$3,918	\$7,872	\$14,533	-\$353	-\$250									
October-22	610,971	650,608	\$0	\$0	\$27,433	\$32,465	\$85,195	\$108,582	\$3,905	\$3,918	\$6,811	\$14,533	-\$115	\$220								
Total Period	20,447,634	18,573,886	-\$1,137	\$74,169	\$918,099	\$904,174	\$777,537	\$747,351	\$48,587	\$58,910	\$93,211	\$122,702	-\$7,634	-\$4,257								
<b>Actual - Forecast Variance</b>		<b>(1,873,749)</b>			<b>\$75,306</b>		<b>\$13,925</b>		<b>(\$30,185)</b>		<b>\$10,323</b>		<b>\$29,491</b>		<b>\$3,377</b>							

**Northern Utilities, Inc.**  
**New Hampshire Division**  
**Reconciliation of the EEC Charge, a Component of the Local Distribution Adjustment Charge**  
**November 1, 2021 through October 31, 2022**  
**General Service Customers**

Forecast - as Filed DG 21-133		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
November-21	Forecast	(\$279,480)	\$0.0238	\$114,126	\$171,085	\$6,841	\$28,726	\$1,726	(\$185,227)	(\$232,353)	3.25%	(\$621)	(\$185,848)	4,795,193	30
December-21	Forecast	(\$185,848)	\$0.0238	\$152,513	\$213,857	\$6,841	\$26,938	\$1,618	(\$89,107)	(\$137,477)	3.25%	(\$379)	(\$89,486)	6,408,112	31
January-22	Forecast	(\$89,486)	\$0.0238	\$196,751	\$46,568	\$5,336	\$8,617	\$1,316	(\$224,400)	(\$156,943)	3.25%	(\$433)	(\$224,833)	8,266,852	31
February-22	Forecast	(\$224,833)	\$0.0238	\$199,861	\$46,568	\$5,336	\$14,103	\$1,293	(\$357,394)	(\$291,114)	3.25%	(\$726)	(\$358,120)	8,397,502	28
March-22	Forecast	(\$358,120)	\$0.0238	\$165,932	\$69,852	\$5,336	\$17,508	\$1,337	(\$430,018)	(\$394,069)	3.25%	(\$1,088)	(\$431,106)	6,971,920	31
April-22	Forecast	(\$431,106)	\$0.0238	\$129,225	\$81,495	\$5,336	\$20,566	\$1,347	(\$451,587)	(\$441,346)	3.25%	(\$1,179)	(\$452,766)	5,429,623	30
May-22	Forecast	(\$452,766)	\$0.0238	\$92,978	\$46,568	\$5,336	\$21,838	\$1,430	(\$470,572)	(\$461,669)	3.25%	(\$1,274)	(\$471,847)	3,906,651	31
June-22	Forecast	(\$471,847)	\$0.0238	\$65,592	\$58,210	\$5,336	\$40,354	\$1,541	(\$431,997)	(\$451,922)	3.25%	(\$1,207)	(\$433,204)	2,755,986	30
July-22	Forecast	(\$433,204)	\$0.0238	\$59,061	\$81,495	\$5,336	\$46,087	\$1,625	(\$357,723)	(\$395,463)	3.25%	(\$1,092)	(\$358,814)	2,481,573	31
August-22	Forecast	(\$358,814)	\$0.0238	\$60,003	\$128,063	\$5,336	\$25,243	\$1,653	(\$258,522)	(\$308,668)	3.25%	(\$852)	(\$259,374)	2,521,135	31
September-22	Forecast	(\$259,374)	\$0.0238	\$61,541	\$139,705	\$5,336	\$50,198	\$1,643	(\$124,034)	(\$191,704)	3.25%	(\$512)	(\$124,546)	2,585,748	30
October-22	Forecast	(\$124,546)	\$0.0238	\$77,679	\$151,347	\$5,336	\$34,788	\$1,594	(\$9,159)	(\$66,853)	3.25%	(\$185)	(\$9,344)	3,263,837	31
November 2021 thru October 2022 Totals				\$1,375,262	\$1,234,814	\$67,041	\$334,966	\$18,124				-\$9,548		57,784,134	

		Beginning Balance (Over)/Under	EEC Rate per Therm	EEC Collections	EEC Costs	DSM PI	Allocated Low Income Costs	Allocated Low Income PI	Ending Balance (Over)/Under	Average Balance (Over)/Under	Interest Prime Rate	Interest @ Prime Rate	Ending Balance plus Interest (Over)/Under	Therm Sales	# of Days
November-21	Actual	(\$644,270)	\$0.0238	\$111,034	\$38,405	\$4,261	\$85,636	\$1,268	(\$625,734)	(\$635,002)	3.25%	(\$1,696)	(\$627,430)	4,236,514	30
December-21	Actual	(\$627,430)	\$0.0238	\$149,879	\$444,575	\$4,261	\$3,551	\$1,165	(\$323,756)	(\$475,593)	3.25%	(\$1,313)	(\$325,069)	6,270,377	31
January-22	Actual	(\$325,069)	\$0.0326	\$238,296	\$18,716	\$0	\$5,494	\$0	(\$539,155)	(\$432,112)	3.25%	(\$1,193)	(\$540,348)	8,026,522	31
February-22	Actual	(\$540,348)	\$0.0326	\$259,736	\$30,806	\$0	\$5,697	\$0	(\$763,581)	(\$651,964)	3.25%	(\$1,625)	(\$765,207)	7,986,044	28
March-22	Actual	(\$765,207)	\$0.0247	\$187,679	\$19,249	\$0	\$7,744	\$0	(\$925,891)	(\$845,549)	3.25%	(\$2,334)	(\$928,225)	6,897,763	31
April-22	Actual	(\$928,225)	\$0.0247	\$120,785	\$24,070	\$25,163	\$7,605	\$7,505	(\$984,667)	(\$956,446)	3.25%	(\$2,708)(1)	(\$987,375)	4,887,758	30
May-22	Actual	(\$987,375)	\$0.0247	\$89,019	\$16,214	\$6,291	\$7,503	\$1,962	(\$1,044,425)	(\$1,015,900)	3.25%	(\$2,804)	(\$1,047,229)	3,605,029	31
June-22	Actual	(\$1,047,229)	\$0.0247	\$61,201	\$38,512	\$8,056 (1)	\$10,129	\$4,911 (1)	(\$1,046,822)	(\$1,047,025)	3.25%	(\$2,836)(1)	(\$1,049,658)	2,477,313	30
July-22	Actual	(\$1,049,658)	\$0.0247	\$53,594	\$15,457	\$6,291	\$202,001	\$2,189	(\$877,315)	(\$963,486)	4.00%	(\$3,273)	(\$880,588)	2,170,039	31
August-22	Forecast	(\$880,588)	\$0.0247	\$61,620	\$211,186	\$6,291	\$38,536	\$1,877	(\$684,318)	(\$782,453)	4.00%	(\$2,658)	(\$686,976)	2,494,744	31
September-22	Forecast	(\$686,976)	\$0.0247	\$62,744	\$230,385	\$6,291	\$38,536	\$1,877	(\$472,632)	(\$579,804)	4.00%	(\$1,906)	(\$474,538)	2,540,231	30
October-22	Forecast	(\$474,538)	\$0.0247	\$82,106	\$249,583	\$6,291	\$38,536	\$1,877	(\$260,357)	(\$367,447)	5.50%	(\$1,716)	(\$262,073)	3,324,132	31
November 2021 thru October 2022 Totals				\$1,477,692	\$1,337,158	\$73,195	\$450,968	\$24,630				(\$26,064)		54,916,466	

Forecast therm Sales from Company Forecast as seen in Attachment NUI-FXW-1. Does not include Special Contracts.  
 Actual Performance Incentives includes reconciliations from prior year(s).  
 (1) Reflects interest adjustments associated with PI true-up.

Variance Analysis	Forecast Sales	Actual Sales	Forecast 10/31/21 (Over)		Forecast 10/31/21 (Over) Recovery		Forecast Collections		Actual Collections		Forecast Cost		Actual Cost		Forecast PI		Actual PI		Forecast Allocated LI		Actual LI Costs		Forecast Interest		Actual Interest	
			Recovery	Actual 10/31/21 (Over)	Recovery	Actual 10/31/21 (Over)	Actual Collections	Forecast Collections	Forecast Cost	Actual Cost	Forecast PI	Actual PI	Costs	Actual LI Costs	Forecast Interest	Actual Interest										
November-21	4,795,193	4,236,514	-\$279,480	-\$644,270	\$114,126	\$111,034	\$171,085	\$38,405	\$6,841	\$4,261	\$30,452	\$86,903	-\$621	-\$1,696												
December-21	6,408,112	6,270,377	\$0	\$0	\$152,513	\$149,879	\$213,857	\$444,575	\$6,841	\$4,261	\$28,556	\$4,716	-\$379	-\$1,313												
January-22	8,266,852	8,026,522	\$0	\$0	\$196,751	\$238,296	\$46,568	\$18,716	\$5,336	\$0	\$9,933	\$5,494	-\$433	-\$1,193												
February-22	8,397,502	7,986,044	\$0	\$0	\$199,861	\$259,736	\$46,568	\$30,806	\$5,336	\$0	\$15,395	\$5,697	-\$726	-\$1,625												
March-22	6,971,920	6,897,763	\$0	\$0	\$165,932	\$187,679	\$69,852	\$19,249	\$5,336	\$0	\$18,846	\$7,744	-\$1,088	-\$2,334												
April-22	5,429,623	4,887,758	\$0	\$0	\$129,225	\$120,785	\$81,495	\$24,070	\$5,336	\$25,163	\$21,913	\$15,110	-\$1,179	-\$2,708												
May-22	3,906,651	3,605,029	\$0	\$0	\$92,978	\$89,019	\$46,568	\$16,214	\$5,336	\$6,291	\$23,268	\$9,464	-\$1,274	-\$2,804												
June-22	2,755,986	2,477,313	\$0	\$0	\$65,592	\$61,201	\$58,210	\$38,512	\$5,336	\$8,056	\$41,896	\$15,040	-\$1,207	-\$2,836												
July-22	2,481,573	2,170,039	\$0	\$0	\$59,061	\$53,594	\$81,495	\$15,457	\$5,336	\$6,291	\$47,712	\$204,190	-\$1,092	-\$3,273												
August-22	2,521,135	2,494,744	\$0	\$0	\$60,003	\$61,620	\$128,063	\$211,186	\$5,336	\$6,291	\$26,896	\$40,413	-\$852	-\$2,658												
September-22	2,585,748	2,540,231	\$0	\$0	\$61,541	\$62,744	\$139,705	\$230,385	\$5,336	\$6,291	\$51,841	\$40,413	-\$512	-\$1,906												
October-22	3,263,837	3,324,132	\$0	\$0	\$77,679	\$82,106	\$151,347	\$249,583	\$5,336	\$6,291	\$36,382	\$40,413	-\$185	-\$1,716												
Total Period	57,784,134	54,916,466	-\$279,480	-\$644,270	\$1,375,262	\$1,477,692	\$1,234,814	\$1,337,158	\$67,041	\$73,195	\$353,090	\$475,598	-\$9,548	-\$26,064												
<b>Actual - Forecast Variance</b>		<b>(2,867,668)</b>		<b>(\$364,790)</b>		<b>(\$102,430)</b>		<b>\$102,344</b>			<b>\$6,154</b>		<b>\$122,509</b>		<b>(\$16,516)</b>											