

NORTHERN UTILITIES, INC.

**DIRECT TESTIMONY
OF
CHRISTOPHER J. GOULDING
AND
DANIEL T. NAWAZELSKI**

EXHIBIT CGDN-1

New Hampshire Public Utilities Commission

Docket No. DG 21-104

1 rate case before 2024 if ROE was under 7 percent, but provides for earnings
2 sharing of 50 percent if ROE is greater than 11 percent. In addition, the 2021
3 Rate Plan includes features for exogenous events and excessive inflation.

4 **V. TEMPORARY RATES**

5 **Q. Is the Company requesting that temporary rates be set in this proceeding?**

6 A. Yes. The Company requests that temporary rates be established in the amount of
7 \$3,220,742 on an annualized basis to become effective on October 1, 2021. The
8 development of the temporary rate amount is detailed in Schedule CGDN-3.

9 **Q. Please explain how the temporary rate amount of \$3,220,742 was derived?**

10 A. In general, the Company employed a conservative approach in calculating the
11 amount of the temporary rate request. The amount of the temporary rate request
12 was based on 2020 test year-end rate base. The cost of capital used in the
13 calculation is based on the rate case filing capital structure and debt costs as
14 provided in Schedule RevReq-6. However, the cost of equity was set lower at
15 9.50 percent reflecting the last authorized return on equity awarded to the
16 Company in its last base rate case. As shown in Schedule RevReq-1 of Schedule-
17 CGDN-3, this results in an overall cost of capital of 7.33 percent. The test year net
18 operating income was adjusted to reflect a handful of pro forma adjustments, as
19 shown in Schedule RevReq-3 of Schedule CGDN-3, and also portrays a weather-
20 normal 2020 distribution test year. In general, the pro forma adjustments selected
21 were confined to the 2020 test year, such as depreciation annualization to bring

1 depreciation levels up to year-end balances, and property taxes to reflect the most
2 recent annualized 2020 property tax bills. No adjustments pertaining to 2021 and
3 beyond were incorporated.

4 **Q. Please describe the derivation of the proposed temporary delivery charge per**
5 **therm.**

6 A. The calculation of the annualized proposed temporary rate increase of \$0.0876 per
7 therm for rates R5, R6 and R10 and \$0.0279 per therm for rates G40, G50, G41,
8 G51, G42, G52 is provided in Schedule CGDN-4. The temporary rates were
9 calculated for residential and commercial and industrial customers by first
10 proportionally allocating the proposed temporary revenue requirement by adjusted
11 2020 test year revenue. Next, the proposed temporary delivery charge per therm
12 was determined by dividing the residential or commercial and industrial
13 proportioned increase by the test year adjusted weather-normalized delivery
14 volumes rounded to four decimals. The temporary rate surcharge will not be
15 applied to special contract customers.

16 **Q. How does the Company account for and collect the difference between**
17 **temporary rates and permanent rates once the Commission issues its order**
18 **for permanent rates?**

19 A. After the Commission issues its order in this case, the Company will submit a
20 filing to collect the difference in revenue (or “recoupment”) between temporary
21 and permanent rates from the date temporary rates went into effect to the date

1 permanent rates became effective. The recoupment surcharge will be a charge per
 2 term, applied to all rate schedules, and included in the LDAC.

3 **VI. OTHER REGULATORY PROPOSALS AND CONSIDERATIONS**

4 **Q. What other proposals and considerations is the Company making?**

5 A. The Company is proposing and presenting information regarding the following
 6 areas:

- 7 1. Waived Late Payment Charge Revenues for the period April 2020
- 8 through March 2021
- 9 2. Special Contract Revenues
- 10 3. Mains Extension Project Updates
- 11 4. Epping Franchise Expansion

12 We will discuss each adjustment individually in the following section.

13 **1. WAIVED LATE PAYMENT CHARGES**

14 **Q. Has the Company been impacted by the New Hampshire emergency order**
 15 **prohibiting utility disconnections and application of utility late payment**
 16 **fees?**

17 A. Yes, as a result of the shut off and late fee prohibition, Northern was not able to
 18 apply late fees to customer's accounts beginning in March of 2020. For the
 19 calendar year 2020, the Company charged \$36,803 in late payment fees to
 20 customers, which is well below the amount that was included when distribution
 21 rates were last set in Docket No. DG 17-070 and what the actual amount of late

**NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
DOCKET DG 21-104
COMPUTATION OF REVENUE REQUIREMENT FOR TEMPORARY RATES**

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
REVENUE REQUIREMENT TABLE OF CONTENTS
12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-TOC

LINE NO.	(1) DESCRIPTION	(2) REFERENCE
1	Summary of Financial Schedules	
2	Computation Of Revenue Deficiency And Revenue Requirement	<u>Schedule RevReq-1</u>
3	Computation Of Gross-Up Factor For Revenue Requirement	<u>Schedule RevReq-1-1</u>
4	Operating Income Statement	<u>Schedule RevReq-2 P1</u>
5	Pro Forma Distribution Operating Income Statement	<u>Schedule RevReq-2 P2</u>
6	Summary Of Adjustments	<u>Schedule RevReq-3</u>
7	Summary of Revenue Adjustment Schedules	
8	Weather Normalization	<u>Schedule RevReq-3-1</u>
9	New Customer Revenue Annualization	<u>Schedule RevReq-3-2</u>
10	Residential Low Income	<u>Schedule RevReq-3-2</u>
11	Unbilled Revenue	<u>Schedule RevReq-3-2</u>
12	Non-Distribution Bad Debt	<u>Schedule RevReq-3-2</u>
13	Misc. Revenue Adjustment	<u>Schedule RevReq-3-2</u>
14	Billed Accuracy Adjustment	<u>Schedule RevReq-3-2</u>
15	O&M Expense Adjustments	
16	Production Expense (O&M)	<u>Schedule RevReq-3-3</u>
17	Non-Distribution Bad Debt	<u>Schedule RevReq-3-2</u>
18	D&A Expense Adjustments	
19	Depreciation Annualization	<u>Schedule RevReq-3-16 P1</u>
20	Production Expense (Depreciation)	<u>Schedule RevReq-3-3</u>
21	Taxes Other Than Income Adjustments	
22	Property Taxes	<u>Schedule RevReq-3-19</u>
23	Income Taxes Adjustments	
24	Federal Income Tax	<u>Schedule RevReq-3-21 P1</u>
25	NH State Tax	<u>Schedule RevReq-3-21 P1</u>
26	Remove Prior Year Federal Income Tax	<u>Schedule RevReq-3-21 P4</u>
27	Remove Prior Year State Income Tax	<u>Schedule RevReq-3-21 P4</u>
28	Remove Prior Year Deferred Federal Income Tax	<u>Schedule RevReq-3-21 P4</u>
29	Remove Prior Year Deferred State Income Tax	<u>Schedule RevReq-3-21 P4</u>
30	Balance Sheet & Plant in Service and Accumulated Depreciation	
31	Utility Plant in Service	<u>Schedule RevReq-4-3</u>
32	Rate Base & Related Adjustments	
33	Rate Base Calculation	<u>Schedule RevReq-5</u>
34	Quarterly Rate Base	<u>Schedule RevReq-5-1</u>
35	Cash Working Capital	<u>Schedule RevReq-5-2</u>
36	Supplemental Plant	<u>Schedule RevReq-5-3</u>
37	Deferred Income Tax Settlement Adjustment	<u>Schedule RevReq-5-4</u>
38	Cost of Capital Related Schedules	
39	Weighted Average Cost Of Capital	<u>Schedule RevReq-6</u>
40	Capital Structure for Ratemaking Purposes	<u>Schedule RevReq-6-1</u>
41	Weighted Average Cost Of Long-Term Debt	<u>Schedule RevReq-6-4</u>
42	Cost of Short-Term Debt	<u>Schedule RevReq-6-5</u>
43	Rate Case Expense Costs	
44	Workpapers	<u>Workpapers</u>

**NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
COMPUTATION OF REVENUE DEFICIENCY AND REVENUE REQUIREMENT
12 MONTHS ENDED DECEMBER 31, 2020**

**Schedule RevReq-1
Table of Contents**

LINE NO.	(1) DESCRIPTION	(2) REFERENCE	(3) AMOUNT
1	Rate Base	Schedule RevReq-5	\$ 187,852,245
2	Rate of Return	Schedule RevReq-6	<u>7.33%</u>
3	Income Required	Line 1 * Line 2	13,765,436
4	Adjusted Net Operating Income	Schedule RevReq-2	<u>11,416,967</u>
5	Deficiency	Line 3 - Line 4	2,348,469
6	Income Tax Effect	Line 7 - Line 5	<u>872,274</u>
7	Revenue Deficiency	1.3714 (Schedule RevReq-1-1) * Line 5	<u><u>\$ 3,220,742</u></u>

**NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
COMPUTATION OF GROSS-UP FACTOR FOR REVENUE REQUIREMENT
12 MONTHS ENDED DECEMBER 31, 2020**

**Schedule RevReq-1-1
Table of Contents**

LINE NO.	(1) DESCRIPTION	(2) RATE	(3) AMOUNT
1	Federal Income Tax Rate	21.00%	0.2100
2	State Income Tax Rate	7.70%	0.0770
3	Federal Benefit of State Income Tax	-(Line 1 * Line 2)	<u>(0.0162)</u>
4	Northern Effective Tax Rate	(Line 1 + Line 2 + Line 3)	<u>0.2708</u>
5	Gross-Up Factor	(1 / 1 - Line 4)	<u><u>1.3714</u></u>

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 OPERATING INCOME STATEMENT
 12 MONTHS ENDED DECEMBER 31, 2020

LINE NO.	(1) DESCRIPTION	(2) TEST YEAR 12 MONTHS ENDED 12/31/2020	LESS		(5) TEST YEAR DISTRIBUTION, PROD. & OH.	(6) TEST YEAR DISTRIBUTION	(7) TEST YEAR PROD. & OH.	(8) CALENDAR YEAR 2019 ⁽³⁾	(9) CALENDAR YEAR 2018 ⁽³⁾
			(3) COST OF GAS EXCLUDING PROD. & OH. ⁽¹⁾	(4) OTHER FLOWTHROUGH ⁽²⁾					
Operating Revenues:									
1	Total Sales	\$ 65,455,125	\$ 22,701,750	\$ 3,458,228	\$ 39,295,147	\$ 38,237,257	\$ 1,057,890	\$ 72,009,468	\$ 78,261,307
2	Total Other Operating Revenues	1,228,348	120,656	-	1,107,692	1,107,692	-	841,893	380,541
3	Total Operating Revenues	\$ 66,683,473	\$ 22,822,406	\$ 3,458,228	\$ 40,402,839	\$ 39,344,949	\$ 1,057,890	\$ 72,851,361	\$ 78,641,848
Operating Expenses:									
4	Production	\$ 23,544,860	\$ 22,696,215	\$ 398,908	\$ 449,736	\$ 449,736	\$ -	\$ 28,226,731	\$ 36,699,896
5	Transmission	63,829	-	-	63,829	63,829	-	72,713	54,452
6	Distribution	3,733,377	-	-	3,733,377	3,733,377	-	3,509,448	3,547,813
7	Customer Accounting	2,608,189	99,544	-	2,508,645	2,508,645	-	2,768,758	2,548,545
8	Customer Service	2,341,706	(0)	2,268,632	73,074	73,074	-	2,319,375	1,946,672
9	Sales Expense	69,178	-	-	69,178	69,178	-	64,467	62,224
10	Administrative & General	6,740,777	-	58,225	6,682,552	6,682,552	-	7,679,291	7,670,327
11	Depreciation	8,876,582	-	-	8,876,582	8,876,582	-	8,166,463	7,482,080
12	Amortizations	816,977	-	-	816,977	816,977	-	838,480	196,816
13	Taxes Other Than Income	4,867,774	-	-	4,867,774	4,867,774	-	4,306,298	4,242,098
14	Federal Income Tax	(30,211)	-	-	(30,211)	(30,211)	-	52,380	(353,526)
15	State Income Tax	(384,644)	-	-	(384,644)	(384,644)	-	(309,547)	(463,245)
16	Deferred Federal & State Income Taxes	2,600,179	-	-	2,600,179	2,600,179	-	2,975,683	3,341,111
17	Interest on Customer Deposits	9,258	-	-	9,258	9,258	-	14,374	18,486
18	Total Operating Expenses	\$ 55,857,829	\$ 22,795,759	\$ 2,725,765	\$ 30,336,305	\$ 30,336,305	\$ -	\$ 60,684,915	\$ 66,993,749
19	Net Operating Income	\$ 10,825,644	\$ 26,647	\$ 732,463	\$ 10,066,533	\$ 9,008,643	\$ 1,057,890	\$ 12,166,447	\$ 11,648,100

Notes

(1) Refer to Workpaper - Cost of Gas

(2) Refer to Workpaper - Flowthrough Detail. Consists of Energy Efficiency, Environmental Response Costs, Residential Low Income Assistance, Rate Case Costs, Recoupment, Lost Revenue, and On Bill Financing

(3) Calendar Years 2019 and 2018 represents Total Company (i.e., Flowthrough and Distribution).

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 PRO FORMA DISTRIBUTION OPERATING INCOME STATEMENT
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-2
 Page 2 of 2
[Table of Contents](#)

LINE NO.	(1) DESCRIPTION	(2) TEST YEAR DISTRIBUTION, PROD. & OH.	(3) PRO FORMA ADJUSTMENTS	(4) TEST YEAR DISTRIBUTION, PROD. & OH. PRO FORMA	(5) PROOF		(6)	
					REVENUE REQUIREMENT	PRO FORMA RATE RELIEF		
	Operating Revenues:							
1	Total Sales	\$ 39,295,147	\$ 2,820,216	\$ 42,115,363	\$ 3,220,742	\$	\$ 45,336,105	
2	Total Other Operating Revenues	1,107,692	-	1,107,692	-		1,107,692	
3	Total Operating Revenues	\$ 40,402,839	\$ 2,820,216	\$ 43,223,055	\$ 3,220,742	\$	\$ 46,443,797	
	Operating Expenses:							
4	Production	\$ 449,736	\$ 76,191	\$ 525,927	\$ -	\$	\$ 525,927	
5	Transmission	63,829	-	63,829	-		63,829	
6	Distribution	3,733,377	-	3,733,377	-		3,733,377	
7	Customer Accounting	2,508,645	(97,468)	2,411,177	-		2,411,177	
8	Customer Service	73,074	-	73,074	-		73,074	
9	Sales Expense	69,178	-	69,178	-		69,178	
10	Administrative & General	6,682,552	-	6,682,552	-		6,682,552	
11	Depreciation	8,876,582	506,868	9,383,450	-		9,383,450	
12	Amortizations	816,977	-	816,977	-		816,977	
13	Taxes Other Than Income	4,867,774	617,939	5,485,713	-		5,485,713	
14	Federal Income Tax	(30,211)	206,901	176,690	624,276		800,966	
15	State Income Tax	(384,644)	(732,910)	(1,117,554)	247,997		(869,557)	
16	Deferred Federal & State Income Taxes	2,600,179	892,262	3,492,441	-		3,492,441	
17	Interest on Customer Deposits	9,258	-	9,258	-		9,258	
18	Total Operating Expenses	\$ 30,336,305	\$ 1,469,783	\$ 31,806,088	\$ 872,274	\$	\$ 32,678,361	
19	Net Operating Income	\$ 10,066,533	\$ 1,350,434	\$ 11,416,967	\$ 2,348,469	\$	\$ 13,765,436	

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
SUMMARY OF ADJUSTMENTS
12 MONTHS ENDED DECEMBER 31, 2016

Schedule RevReq-3
Table of Contents

DG 21-104 HEARING EXHIBIT 2

11

LINE NO.	(1) DESCRIPTION	(2) CLASSIFICATION	(3) SCHEDULE NO.	(4) AMOUNT
1	Revenue Adjustments			
2	Weather Normalization	Dist Rev	Schedule RevReq-3-1	\$ 1,994,374
3	New Customer Revenue Annualization	Dist Rev	Schedule RevReq-3-2	
4	Residential Low Income	Dist Rev	Schedule RevReq-3-2	264,523
5	Unbilled Revenue	Dist Rev	Schedule RevReq-3-2	294,543
6	Non-Distribution Bad Debt	Dist Rev	Schedule RevReq-3-2	(97,468)
7	Misc. Revenue Adjustment	Dist Rev	Schedule RevReq-3-2	4,788
8	Late Fee Adjustment	Oth Rev	Schedule RevReq-3-2	
9	Billed Accuracy Adjustment	Dist Rev	Schedule RevReq-3-2	367
10	Lost Base Revenue Moved from FT to Base	Dist Rev	WP - FT Detail	359,089
11	Special Contract Customer Revenue Adjustment	Dist Rev	Schedule RevReq-3-2	
12	Total Revenue Adjustments			<u>\$ 2,820,216</u>
13	Operating & Maintenance Expense Adjustments			
14	Production Expense (O&M)	Prod	Schedule RevReq-3-3	\$ 76,191
15	Payroll	Dist	Schedule RevReq-3-4	
16	Distribution Bad Debt	Cust Acct	Schedule RevReq-3-5	
17	Non-Distribution Bad Debt	Cust Acct	Schedule RevReq-3-2	(97,468)
18	Medical & Dental Insurances	A&G	Schedule RevReq-3-6	
19	Pension	A&G	Schedule RevReq-3-7	
20	PBOP	A&G	Schedule RevReq-3-7	
21	SERP	A&G	Schedule RevReq-3-7	
22	401K	A&G	Schedule RevReq-3-7	
23	Deferred Comp Expense	A&G	Schedule RevReq-3-7	
24	Property & Liability Insurances	A&G	Schedule RevReq-3-8	
25	NH PUC Assessment	A&G	Schedule RevReq-3-9	
26	Dues & Subscriptions	A&G	Schedule RevReq-3-10	
27	Pandemic Costs	A&G	Schedule RevReq-3-11	
28	Severance Expense	A&G	Schedule RevReq-3-12	
29	Rent Expense	A&G	Schedule RevReq-3-13	
30	Arrearage Management Program (AMP) Implementation Cost	Cust Acct	Schedule RevReq-3-14	
31	Inflation Allowance	A&G	Schedule RevReq-3-15	
32	Total Operating & Maintenance Expense Adjustments			<u>\$ (21,277)</u>
33	Depreciation And Amortization Expense Adjustments			
34	Depreciation Annualization	Depr	Schedule RevReq-3-16 P1	\$ 469,003
35	Proposed Depreciation Rates	Depr	Schedule RevReq-3-16 P2	
36	Production Expense (Depreciation)	Depr	Schedule RevReq-3-3	37,865
37	Software Amortization	Amort	Schedule RevReq-3-17	
38	Excess ADIT Flowback	Amort	Schedule RevReq-3-18	
39	Total Depreciation And Amortization Expense Adjustments			<u>\$ 506,868</u>
40	Taxes Other Than Income Adjustments			
41	Property Taxes	Oth Tax	Schedule RevReq-3-19	\$ 617,939
42	Payroll Taxes - Wage Increases	Oth Tax	Schedule RevReq-3-20 P1	
43	Payroll Taxes - Employee Retention Credit	Oth Tax	Schedule RevReq-3-20 P2	
44	Total Taxes Other Than Income Adjustments			<u>\$ 617,939</u>
45	Income Taxes Adjustments			
46	Federal Income Tax	FIT	Schedule RevReq-3-21 P1	\$ 256,535
47	NH State Tax	SIT	Schedule RevReq-3-21 P1	101,910
48	Remove Prior Year Federal Income Tax	FIT	Schedule RevReq-3-21 P4	(49,634)
49	Remove Prior Year State Income Tax	SIT	Schedule RevReq-3-21 P4	(834,820)
50	Remove Prior Year Deferred Federal Income Tax	DIT	Schedule RevReq-3-21 P4	57,442
51	Remove Prior Year Deferred State Income Tax	DIT	Schedule RevReq-3-21 P4	834,820
52	Total Income Taxes Adjustments			<u>\$ 366,253</u>
53	Rate Base Adjustments			
54	NH Supplemental Plant Adjustment	Plant	Schedule RevReq-5-3	\$ 1,873,246
55	NH Supplemental Plant Adjustment	Acc Depr	Schedule RevReq-5-3	1,350,190
56	DIT Settlement Adjustment	RB DIT	Schedule RevReq-5-4	-
57	Cash Working Capital (Due To Pro Forma Adjustments)	CWC	Schedule RevReq-5-2	(23,564)
58	Total Rate Base Adjustments			<u>\$ 499,492</u>

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 WEATHER NORMALIZATION
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-3-1
Table of Contents

LINE NO.	(1) DESCRIPTION	(2) TOTAL
1	To Increase Test Year Base Revenue to Normalize for the Effect of Warmer than Normal Weather ⁽¹⁾	\$ 1,994,374

Notes

(1) Refer to Direct Testimony of Ron Amen & John Taylor

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
REVENUE ADJUSTMENTS
12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-3-2
Table of Contents

DG 21-104 HEARING EXHIBIT 2

LINE NO.	(1) DESCRIPTION	(2) TOTAL
1	<u>Customer Growth Revenue Adjustment</u>	
2	To Increase Test Year Base Revenue for 2020 Customer Growth ⁽¹⁾	
3	<u>Residential Low Income Assistance Revenue Adjustment</u>	
4	To Reflect Recovery Of The Low Income Discount Through the LDAC ⁽²⁾	\$ 264,523
5	<u>Unbilled Revenue Adjustment</u>	
6	Remove Unbilled Revenue	\$ 294,543
7	<u>Non Distribution Bad Debt Adjustment (Revenue & Expense)</u>	
8	Remove: Accrued Revenue - Non Dist Bad Debt	\$ (97,468)
9	Remove: Provision For Doubtful Accts - Non-Dist - NH	\$ (97,468)
10	<u>Misc. Revenue Adjustment</u>	
11	Clear Remaining Rate Case Expense And Recoupment Balances	\$ 4,788
12	<u>Late Payment Revenue Adjustment</u>	
13	Normalized Late Payment Revenue ⁽³⁾	
14	Test Year Late Payment Revenue	
15	Late Payment Revenue Adjustment	\$ -
16	<u>Billed Accuracy Adjustment</u>	
17	Booked to Calculated Bill Adjustment ⁽¹⁾	\$ 367
18	<u>Special Contract Customer Revenue Adjustment</u>	
19	Full Year Special Contract Customer Revenue at Special Contract Rate ⁽⁴⁾	
20	Test Year Special Contract Customer Actual Revenue ⁽⁴⁾	
21	Net Special Contract Customer Revenue Adjustment	\$ -

Notes

(1) Refer to Direct Testimony of Ron Amen & John Taylor

(2) See Workpaper - Flowthrough Detail

(3) Normalized Late Payment Revenue based on 2019 calendar year activity

(4) Refer to Workpaper 1.1 and Workpaper 1.2

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 PRODUCTION EXPENSE ADJUSTMENTS
 12 MONTHS ENDED DECEMBER 31, 2020

LINE NO.	(1) DESCRIPTION	(2)		(3)	(4)	(5)	(6)	(7)	(8)
		NH	ME	TOTAL		NH PR ALLOC. 40.88%	ME PR ALLOC. 59.12%	NH REVREQ ADJUST.	ME REVREQ ADJUST.
1	Operation & Maintenance Expense								
2	Liquefied Propane Gas Production								
3	Operation Expense								
4	710 - Operation Supervision and Engineering	\$ -	\$ 29,447	\$ 29,447	\$ 12,038	\$ 17,409			
5	717 - Production Operation Labor	-	24,228	24,228	9,904	14,324			
6	735 - Production Operation Miscellaneous	-	59,588	59,588	24,360	35,228			
7	Total Operation Expense	-	113,263	113,263	46,302	66,961			
8	Maintenance								
9	740 - Production Maintenance Supervision	-	29,447	29,447	12,038	17,409			
10	741 - Maintenance of Plant	-	8,464	8,464	3,460	5,004			
11	742 - Maint of Equipment	-	28,588	28,588	11,687	16,901			
12	Total Maintenance Expense	-	66,499	66,499	27,185	39,314			
13	769 - Maint of Scada - Product	-	6,615	6,615	2,704	3,911			
14	Total Manuf Gas Prod Exp	\$ -	\$ 186,377	\$ 186,377	\$ 76,191	\$ 110,186	\$ 76,191	\$ (76,191)	
15	Depreciation Expense								
16	Production Plant								
17	305 - Structures	\$ -	\$ 2,277	\$ 2,277	\$ 931	\$ 1,346			
18	Total Production Plant	-	2,277	2,277	931	1,346			
19	Other Storage Plant								
20	361 - Structures & Improve	-	11,705	11,705	4,785	6,920			
21	362 - Gas Holders	-	78,642	78,642	32,149	46,493			
22	Total Other Storage Plant	-	90,347	90,347	36,934	53,413			
23	Total Depreciation & Amortization	\$ -	\$ 92,624	\$ 92,624	\$ 37,865	\$ 54,759	\$ 37,865	\$ (37,865)	

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
DEPRECIATION ANNUALIZATION
12 MONTHS ENDED DECEMBER 31, 2020

LINE NO.	(1) DESCRIPTION	(2) PLANT BALANCE 12/31/2020	(3) CURRENT DEPRECIATION RATES	(4) ANNUAL DEPRECIATION EXPENSE
1	Amortizable Plant:			
2	303 Misc Intangible Plant	\$ 12,826,347	N/A	N/A
3	Total Amortizable Plant	12,826,347	N/A	-
4	Mfg. Gas Produc. Plant:			
5	304.2 Land & Rights - Mfg Gas Prod. PI	6,816	N/A	N/A
6	305 Struct. And Improvements	-	N/A	N/A
7	320 Other Equipment	-	N/A	N/A
8	321 LNG Equipment	-	N/A	N/A
9	Total Mfg Gas Prod. Plant	6,816	N/A	-
10	Distribution Plant:			
11	374.4 Land Rgts, Other Distr Sy	89,111	N/A	N/A
12	374.5 Land Rgts, Rights Of Way	17,911	N/A	N/A
13	375.2 Structures - City Gate Meas & Reg	43,350	1.43%	620
14	375.7 Structures - Other Dist Sys	3,217,521	1.43%	46,011
15	376.2 Mains - Coated/Wrapped	29,746,227	2.66%	791,250
16	376.3 Mains - Bare Steel	190,837	N/A	N/A
17	376.4 Mains - Plastic	120,342,184	2.87%	3,453,821
18	376.5 Mains - Joint Seals	542,145	N/A	N/A
19	376.6 Mains - Cathodic Protection	1,082,739	4.17%	45,150
20	376.8 Mains - Cast Iron	28,455	N/A	N/A
21	378.2 Mea & Reg Station Eq, Regulating	7,288,982	3.50%	255,114
22	379 Mea & Reg Ta-G	39,266	3.50%	1,374
23	380 Services	82,837,047	3.67%	3,040,120
24	381 Meters	4,624,610	3.33%	154,000
25	382 Meter Installations	26,001,685	3.33%	865,856
26	383 House Regulators	733,550	3.33%	24,427
27	386 Water Heaters/Conversion Burners	1,978,895	7.41%	146,636
28	Total Distribution Plant	278,804,516	3.17%	8,824,379
29	General Plant:			
30	389.1 Land	232,947	N/A	N/A
31	391.10 Off Furn & Eq.- Unspecified	508,135	8.70%	44,208
32	393 Stores Equipment	31,520	N/A	N/A
33	394.10 Tools, Garage & Service Equipment	1,430,421	5.26%	75,240
34	396 Power Operated Equipment	75,266	N/A	N/A
35	397 Communication Equipment	1,873,480	9.09%	170,299
36	397.25 Metscan Communication Equip	112,656	N/A	N/A
37	397.35 ERT Automatic Reading Dev	3,470,146	6.67%	231,459
38	Total General Plant	7,734,572	7.16%	521,206
39	Total Plant in Service	\$ 299,372,252	3.28%	\$ 9,345,585
40	Test Year Expense			\$ 8,876,582
41	Increase In Depreciation Expense			\$ 469,003

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 PROPERTY TAXES
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-3-19
Table of Contents

LINE NO.	(1) MUNICIPALITY & STATE	(2) TAXATION PERIOD	(3) LOCAL TAX RATE	(4) ASSESSED VALUATION	(5) TOTAL TAXES ⁽¹⁾
1	Atkinson	4/1 - 3/31	\$ 16.24	1,564,100	25,401
2	Brentwood	4/1 - 3/31	\$ 21.36	1,489,600	31,818
3	Brentwood	4/1 - 3/31	\$ 23.19	400	9
4	Dover	4/1 - 3/31	\$ 24.85	1,200	30
5	Dover	4/1 - 3/31	\$ 22.92	37,150,600	851,492
6	Durham	4/1 - 3/31	\$ 25.73	7,742,400	199,212
7	East Kingston	4/1 - 3/31	\$ 20.50	746,700	15,307
8	Epping	4/1 - 3/31	\$ 23.64	1,079,900	25,529
9	Exeter	4/1 - 3/31	\$ 22.50	13,803,800	310,586
10	Greenland	4/1 - 3/31	\$ 14.58	733,400	10,693
11	Hampton--Class 4000	4/1 - 3/31	\$ 13.93	18,884,700	263,064
12	Hampton--Class 5000	4/1 - 3/31	\$ 14.43	9,301,400	134,219
13	Hampton Falls	4/1 - 3/31	\$ 19.33	36,400	704
14	Kensington	4/1 - 3/31	\$ 18.61	1,442,400	26,843
15	Madbury	4/1 - 3/31	\$ 23.41	347,000	8,123
16	Newington	4/1 - 3/31	\$ 8.02	2,848,900	22,848
17	North Hampton	4/1 - 3/31	\$ 14.80	1,822,800	26,977
18	Plaistow	4/1 - 3/31	\$ 19.60	9,849,580	193,052
19	Portsmouth	4/1 - 3/31	\$ 12.80	47,562,000	608,794
20	Rochester	4/1 - 3/31	\$ 22.67	26,840,200	608,468
21	Rollinsford	4/1 - 3/31	\$ 22.57	194,600	4,392
22	Rollinsford	4/1 - 3/31	\$ 24.68	20,000	494
23	Salem	4/1 - 3/31	\$ 19.82	9,478,700	187,867
24	Seabrook	4/1 - 3/31	\$ 13.90	12,142,100	168,775
25	Somersworth	4/1 - 3/31	\$ 25.91	9,713,200	251,669
26	Somersworth	4/1 - 3/31	\$ 27.85	62,000	1,727
27	Stratham	4/1 - 3/31	\$ 17.14	497,200	8,522
28	State Of NH ⁽²⁾	4/1 - 3/31			1,359,585
29	Total			<u>\$ 215,355,280</u>	<u>\$ 5,346,199</u>
30	Test Year Property Taxes ⁽³⁾				\$ 4,728,948
31	Less: Test Year Property Tax Abatements ⁽⁴⁾				688
32	Total Test Year Property Tax Expense				<u>\$ 4,728,260</u>
33	Total Property Tax Increase (Line 29 - Line 32)				<u>\$ 617,939</u>

Notes

- (1) Based on final 2020 property tax bills. Company will update for final 2021 property tax bills during pendency of case
- (2) Based on current estimated 2021 State Property Tax. Amount will be updated during pendency of case
- (3) Test Year Property Taxes adjusted to exclude Greenland 2019 bill correction of \$317

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 COMPUTATION OF FEDERAL AND STATE INCOME TAXES
 12 MONTHS ENDED DECEMBER 31, 2020

LINE NO.	(1) DESCRIPTION	(2) Amount
1	<u>Increases / (Decreases) To Revenue</u>	
2	Weather Normalization	\$ 1,994,374
3	New Customer Revenue Annualization	-
4	Residential Low Income	264,523
5	Unbilled Revenue	294,543
6	Non-Distribution Bad Debt	(97,468)
7	Misc. Revenue Adjustment	4,788
8	Late Fee Adjustment	-
9	Billed Accuracy Adjustment	367
10	Lost Base Revenue Moved from FT to Base	359,089
11	Special Contract Customer Revenue Adjustment	-
12	Total Revenue Adjustments	<u>\$ 2,820,216</u>
13	<u>Increases / (Decreases) To Expenses</u>	
14	Production Expense (O&M)	\$ 76,191
15	Payroll	-
16	Medical & Dental Insurances	-
17	Distribution Bad Debt	(97,468)
18	Non-Distribution Bad Debt	-
19	Pension	-
20	PBOP	-
21	SERP	-
22	401K	-
23	Deferred Comp Expense	-
24	Property & Liability Insurances	-
25	NH PUC Assessment	-
26	Dues & Subscriptions	-
27	Pandemic Costs	-
28	Severance Expense	-
29	Rent Expense	-
30	Arrearage Management Program (AMP) Implementation Cost	-
31	Inflation Allowance	-
32	Depreciation Annualization	469,003
33	Proposed Depreciation Rates	-
34	Production Expense (Depreciation)	37,865
35	Software Amortization	-
36	Excess ADIT Flowback	-
37	Property Taxes	617,939
38	Payroll Taxes - Wage Increases	-
39	Payroll Taxes - Employee Retention Credits	-
40	Flowthrough Net Operating Income	759,111
41	Change In Interest Exp (Refer To Schedule RevReq 3-21 Page 2)	(365,928)
42	Total Expense Adjustments	<u>\$ 1,496,713</u>
43	Increase / (Decrease) In Taxable Income	<u>\$ 1,323,504</u>
44	Effective Federal Income Tax Rate ⁽¹⁾	19.38%
45	NH State Tax Rate ⁽²⁾	7.70%
	<u>Federal Income & NH State Tax</u>	
46	Effective Federal Income Tax	\$ 256,535
47	NH State Tax	<u>101,910</u>
48	Increase (Decrease) In Income Taxes	<u>\$ 358,445</u>
	<u>Notes</u>	
49	Federal Income Tax Rate	21.00%
50	Federal Benefit of State Tax -(Line 49 * Line 52)	-1.62%
51	(1) Effective Federal Income Tax Rate	<u>19.38%</u>
52	(2) State Income Tax Rate	7.70%
53	Northern New Hampshire Tax Rate (Line 51 + Line 52)	<u><u>27.08%</u></u>

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 CHANGE IN INTEREST EXPENSE APPLICABLE TO INCOME TAX COMPUTATION
 12 MONTHS ENDED DECEMBER 31, 2020

LINE NO.	(1) DESCRIPTION	(2) AMOUNT
1	Ratemaking Interest Synchronization	
2	Rate Base ⁽¹⁾	\$ 187,852,245
3	Cost Of Debt In Proposed Rate Of Return ⁽²⁾	<u>2.34%</u>
4	Interest Expense for Ratemaking	<u>\$ 4,401,969</u>
5	Test Year Interest Expense	
6	Interest Charges (427-431)	<u>\$ 4,767,897</u>
7	Increase / (Decrease) in Interest Expense	<u><u>\$ (365,928)</u></u>

Notes

- (1) Refer to Schedule RevReq-5
- (2) Refer to Schedule RevReq-6

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
COMPUTATION OF FEDERAL AND STATE INCOME TAXES
12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-3-21
Page 3 of 4
Table of Contents

DG 21-104 HEARING EXHIBIT 2

LINE NO	(1) DESCRIPTION	(2) TEST YEAR ACTUAL	(3) PRO-FORMA ADJUSTMENTS	(4) TEST YEAR UTILITY
1	Net Income	\$ 6,096,270	\$ -	\$ 6,096,270
2	Federal Income Tax-Current	(19,629)	-	(19,629)
3	NH State Income Tax-Current	(380,440)	-	(380,440)
4	NH State Business Enterprise Credit Against NH BPT	63,600	-	63,600
5	Deferred Federal Income Tax	1,637,521	-	1,637,521
6	Deferred State Income Tax	962,658	-	962,658
7	Net Income Before Income Taxes	<u>8,359,980</u>	-	<u>8,359,980</u>
8	<u>Permanent Items</u>			
9	Lobbying	22,225	-	22,225
10	Parking Lot Disallowance	2,543	-	2,543
11	Penalties	2,500	-	2,500
12	Total Permanent Items	<u>27,268</u>	-	<u>27,268</u>
13	<u>Temporary Differences</u>			
14	Accrued Revenue	(3,295,760)	-	(3,295,760)
15	Bad Debt	81,370	-	81,370
16	FASB 87-Pensions	(211,016)	-	(211,016)
17	PBOP SFAS 106	96,936	-	96,936
18	Remediation	267,789	-	267,789
19	Utility Plant Differences	(5,924,514)	-	(5,924,514)
20	Total Temporary Differences	<u>(8,985,195)</u>	-	<u>(8,985,195)</u>
21	<u>Federal And State Tax Differences</u>			
22	Tax Depreciation	(2,123,819)	-	(2,123,819)
23	Total Federal And State Tax Differences	<u>(2,123,819)</u>	-	<u>(2,123,819)</u>
24	State Taxable Base Income	(2,721,766)	-	(2,721,766)
25	State Business Profits Tax - Current	(209,576)	-	(209,576)
26	Less: Business Enterprise Tax	63,600	-	63,600
27	Total State Tax Expense	<u>(273,176)</u>	-	<u>(273,176)</u>
28	Federal Taxable Income Base Before Federal And State Tax Differences	(2,512,190)	-	(2,512,190)
29	Less: Federal And State Tax Differences	(2,123,819)	-	(2,123,819)
30	Federal Taxable Income Base	<u>(388,371)</u>	-	<u>(388,371)</u>
31	Federal Income Tax-Current	<u>(81,558)</u>	-	<u>(81,558)</u>
32	<u>Summary Of Utility Income Taxes:</u>			
33	Federal Income Tax-Current	(92,140)	-	(92,140)
34	Federal Income Tax-Prior	49,634	-	49,634
35	Federal Income Tax-NOL	12,295	-	12,295
36	Federal Amount To Non-Distribution Operations	10,582	(10,582)	-
37	State Business Profits Tax-Current	(277,380)	-	(277,380)
38	State Business Profits Tax-Prior	834,820	-	834,820
39	State Business Profits Tax-NOL	(942,084)	-	(942,084)
40	State Amount To Non-Distribution Operations	4,204	(4,204)	-
41	Deferred Federal Income Tax	1,707,258	-	1,707,258
42	Deferred Federal Income Tax-Prior	(57,442)	-	(57,442)
43	Deferred Federal Income Tax-NOL	(12,295)	-	(12,295)
44	Deferred State Business Profits Tax	855,394	-	855,394
45	Deferred State Business Profits Tax-Prior	(834,820)	-	(834,820)
46	Deferred State Business Profits Tax-NOL	<u>942,084</u>	-	<u>942,084</u>
47	Total Income Taxes	<u>\$ 2,200,110</u>	<u>\$ (14,786)</u>	<u>\$ 2,185,324</u>

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 PRIOR YEAR INCOME TAXES
 12 MONTHS ENDED DECEMBER 31, 2020

DG 21-104 HEARING EXHIBIT 2

	(1)	(2)
LINE NO	DESCRIPTION	ACTUAL
1	Remove Prior Year Federal Income Taxes	\$ (49,634)
2	Remove Prior Year State Income Taxes	(834,820)
3	Remove Prior Year Deferred Federal Income Taxes	57,442
4	Remove Prior Year Deferred State Income Taxes	834,820
5	Total	\$ 7,808

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 UTILITY PLANT IN SERVICE
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-4-3
Table of Contents

LINE NO.	(1) Account Name	(2) CAPITAL 1/1	(3) ADDITIONS	(4) RETIREMENTS	(5) TRANSFER ADJ	(6) PLANT IN SERVICE 12/31	(7) COMPLETED CONSTRUCTION NOT CLASSIFIED 12/31
1	Amortizable Plant:						
2	303 Misc Intangible Plant	\$ 11,262,452	\$ 960,046	\$ -	\$ -	\$ 12,222,498	\$ 603,849
3	Total Amortizable Plant	11,262,452	960,046	-	-	12,222,498	603,849
4	Mfg. Gas Produc. Plant:						
5	304.2 Land & Rights - Mfg Gas Prod. Pl	6,816	-	-	-	6,816	-
6	305 Struct. And Improvements	161,860	-	(75,459)	(86,401)	-	-
7	320 Other Equipment	7,640	-	(7,006)	(634)	-	-
8	321 LNG Equipment	84,156	-	(84,156)	-	-	-
9	Total Mfg Gas Prod. Plant	260,472	-	(166,621)	(87,035)	6,816	-
10	Distribution Plant:						
11	374.4 Land Rgts, Other Distr Sy	89,111	-	-	-	89,111	-
12	374.5 Land Rgts, Rights Of Way	17,911	-	-	-	17,911	-
13	375.2 Structures - City Gate Meas & Reg	45,256	-	(1,906)	-	43,350	-
14	375.7 Structures - Other Dist Sys	3,124,357	4,495	-	87,035	3,215,887	1,634
15	376.2 Mains - Coated/Wrapped	24,602,506	5,182,813	(78,525)	-	29,706,795	39,433
16	376.3 Mains - Bare Steel	190,837	-	-	-	190,837	-
17	376.4 Mains - Plastic	104,050,393	9,284,825	(600,390)	-	112,734,828	7,607,356
18	376.5 Mains - Joint Seals	542,145	-	-	-	542,145	-
19	376.6 Mains - Cathodic Protection	1,005,475	54,885	-	-	1,060,360	22,380
20	376.8 Mains - Cast Iron	28,455	-	-	-	28,455	-
21	378.2 Mea & Reg Station Eq, Regulating	4,400,294	3,002,141	(279,719)	-	7,122,716	166,266
22	379 Mea & Reg Ta-G	39,266	-	-	-	39,266	-
23	380 Services	74,470,438	5,463,157	(87,804)	-	79,845,791	2,991,256
24	381 Meters	4,086,446	493,715	(241,099)	-	4,339,063	285,548
25	382 Meter Installations	23,126,115	2,038,526	(1,108,186)	-	24,056,455	1,945,231
26	383 House Regulators	685,777	43,536	-	-	729,313	4,237
27	386 Water Heaters/Conversion Burners	1,823,459	159,350	(88,909)	-	1,893,900	84,996
28	Total Distribution Plant	242,328,242	25,727,443	(2,486,538)	87,035	265,656,182	13,148,334
29	General Plant:						
30	389-1 Land	232,947	-	-	-	232,947	-
31	391.10 Off Furn & Eq.- Unspecified	431,834	65,465	-	-	497,299	10,836
32	393 Stores Equipment	31,520	-	-	-	31,520	-
33	394.10 Tools, Garage & Service Equipment	1,314,945	54,709	-	-	1,369,654	60,767
34	396 Power Operated Equipment	75,266	-	-	-	75,266	-
35	397 Communication Equipment	1,639,792	237,572	(37,264)	-	1,840,100	33,380
36	397.25 Comm EQ, Metscan/Telemet	112,656	-	-	-	112,656	-
37	397.35 ERT Automatic Reading Dev-G	3,126,899	212,363	-	-	3,339,262	130,884
38	Total General Plant	6,965,859	570,110	(37,264)	-	7,498,705	235,867
39	Total Plant in Service	\$ 260,817,025	\$ 27,257,599	\$ (2,690,423)	\$ (0)	\$ 285,384,202	\$ 13,988,050

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
RATE BASE
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-5
Table of Contents

LINE NO.	(1) DESCRIPTION	(3) TEST YEAR AVERAGE ⁽¹⁾	(4) 5 QUARTER AVERAGE	(5) RATE BASE AT DECEMBER 31, 2020	(6) PRO FORMA ADJUSTMENTS	(7) PRO FORMA RATE BASE AT DECEMBER 31, 2020
1	Utility Plant In Service	\$ 289,824,481	\$ 286,491,423	\$ 299,372,252	\$ 1,873,246	\$ 301,245,498
2	Less: Reserve for Depreciation	85,085,831	85,651,383	88,023,262	1,350,190	89,373,452
3	Net Utility Plant	204,738,650	200,840,040	211,348,990	523,056	211,872,045
4	Add: M&S Inventories	2,671,150	2,770,028	2,773,457	-	2,773,457
5	Prepayments	740,275	1,213,708	64,895	-	64,895
6	Cash Working Capital ⁽¹⁾	1,164,937	1,164,937	1,164,937	(23,564)	1,141,373
7	Sub-Total	4,576,362	5,148,673	4,003,290	(23,564)	3,979,726
8	Less: Net Deferred Income Taxes	\$ 20,221,877	\$ 20,784,379	\$ 21,177,756	\$ -	\$ 21,177,756
9	Excess Deferred Income Taxes	6,572,092	6,572,092	6,572,092	-	6,572,092
10	Customer Advances	-	-	-	-	-
11	Customers Deposits	269,548	264,461	249,677	-	249,677
12	Sub-Total	27,063,517	27,620,932	27,999,526	-	27,999,526
13	Rate Base	\$ 182,251,495	\$ 178,367,781	\$ 187,352,753	\$ 499,492	\$ 187,852,245

Notes

(1) Computed Working Capital Based on Test Year O&M Expenses. Refer to Schedule RevReq-5-2

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 RATE BASE ITEMS
 QUARTERLY BALANCES

Schedule RevReq-5-1
 Table of Contents

LINE NO.	(1) DESCRIPTION	(2) DECEMBER 31 2019	(3) MARCH 31 2020	(4) JUNE 30 2020	(5) SEPTEMBER 30 2020	(6) DECEMBER 31 2020	(7) 5 QUARTER AVERAGE
1	Utility Plant in Service						
2	Plant In Service	\$ 260,817,025	\$ 266,498,877	\$ 269,468,172	\$ 272,008,852	\$ 285,384,202	\$ 270,835,426
3	Completed Construction not Classified	19,459,684	16,390,088	14,114,541	14,327,620	13,988,050	15,655,997
4	Total Utility Plant in Service	<u>280,276,709</u>	<u>282,888,965</u>	<u>283,582,713</u>	<u>286,336,471</u>	<u>299,372,252</u>	<u>286,491,423</u>
5	Depreciation Reserve	\$ (82,148,399)	\$ (84,295,016)	\$ (86,310,091)	\$ (87,480,144)	\$ (88,023,262)	\$ (85,651,383)
6	Add:						
7	M&S Inventories						
8	Material and Supplies	\$ 2,268,328	\$ 2,387,075	\$ 2,514,326	\$ 2,569,166	\$ 2,416,575	\$ 2,431,094
9	Stores Expense Undistributed	300,515	417,170	334,238	285,865	356,883	338,934
10	Total M&S Inventories	<u>\$ 2,568,843</u>	<u>\$ 2,804,245</u>	<u>\$ 2,848,563</u>	<u>\$ 2,855,032</u>	<u>\$ 2,773,457</u>	<u>\$ 2,770,028</u>
11	Prepayments	\$ 1,415,655	\$ 1,415,655	\$ 1,415,655	\$ 1,756,682	\$ 64,895	\$ 1,213,708
12	Cash Working Capital	\$ 1,164,937	\$ 1,164,937	\$ 1,164,937	\$ 1,164,937	\$ 1,164,937	\$ 1,164,937
13	Less:						
14	Total Deferred Income Taxes						
15	Def Inc Tax - Accel Depr	\$ 20,062,817	\$ 22,388,845	\$ 22,014,104	\$ 21,283,095	\$ 22,009,122	\$ 21,551,597
16	Def Inc Tax - FAS 87 / 106	(775,910)	(788,563)	(774,047)	(591,877)	(788,419)	(743,763)
17	Def Inc Tax - Bad Debt	(19,095)	(26,052)	(10,935)	(10,989)	(41,133)	(21,641)
18	Def Inc Tax - Def Rate Case Costs	0	0	0	0	0	-
19	Def Inc Tax - Insurance Claim	(1,814)	(1,814)	(1,814)	(1,814)	(1,814)	(1,814)
20	Total Deferred Income Taxes	<u>\$ 19,265,998</u>	<u>\$ 21,572,415</u>	<u>\$ 21,227,308</u>	<u>\$ 20,678,415</u>	<u>\$ 21,177,756</u>	<u>\$ 20,784,379</u>
21	Less: Excess Deferred Income Taxes	\$ 6,572,092	\$ 6,572,092	\$ 6,572,092	\$ 6,572,092	\$ 6,572,092	\$ 6,572,092
22	Less: Customer Advances	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
23	Less: Customer Deposits	\$ 289,419	\$ 269,680	\$ 263,516	\$ 250,011	\$ 249,677	\$ 264,461
24	Rate Base	<u>\$ 177,150,236</u>	<u>\$ 175,564,598</u>	<u>\$ 174,638,861</u>	<u>\$ 177,132,459</u>	<u>\$ 187,352,753</u>	<u>\$ 178,367,781</u>

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 CASH WORKING CAPITAL
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-5-2
Table of Contents

LINE NO.	(1) DESCRIPTION	(2) REFERENCE	(3) TEST YEAR ACTUAL	(4) PRO FORMA ADJUSTMENTS	(5) TEST YEAR PRO FORMA
1	Distribution O&M Expense	Schedule RevReq-2	\$ 13,332,381	\$ (1,323,953)	\$ 12,008,428
2	Tax Expense	Schedule RevReq-2	4,452,919	964,203	5,417,122
3	Total		\$ 17,785,300	\$ (359,749)	\$ 17,425,551
4	Cash Working Capital Requirement:				
5	Other O&M Expense Days Lag (1) / 366	24 days	6.55%	6.55%	6.55%
6	Total Cash Working Capital	Line 5 X Line 3	\$ 1,164,937	\$ (23,564)	\$ 1,141,374

Notes

(1) Based On Lead-Lag Study in Docket 17-070

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 SUPPLEMENTAL PLANT PRO FORMA ADJUSTMENT
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-5-3
Table of Contents

DG 21-104 HEARING EXHIBIT 2

LINE NO.	(1) DESCRIPTION	(2) BALANCE 12/31/2020
1	Plant In Service:	
2	<u>New Hampshire</u>	
3	304 Land - Barberry Lane	\$ 6,816
4	Total NH	\$ 6,816
5	<u>Maine</u>	
6	360 Land - Lewiston	\$ 58,301
7	361 Structures & Improvements	568,201
8	362 Gas Holders	3,878,347
9	363 Other Equipment	87,313
10	Total ME	\$ 4,592,161
11	Total Plant In Service NH And ME	\$ 4,598,977
12	NH Allocation Via Annual Proportional Responsibility Factor	40.88% \$ 1,880,062
13	ME Allocation Via Annual Proportional Responsibility Factor	59.12% \$ 2,718,915
14	Depreciation Reserve:	
15	<u>New Hampshire</u>	
16	Total NH	\$ -
17	<u>Maine</u>	
18	361 Structures & Improvements	\$ 267,178
19	362 Gas Holders	2,943,652
20	363 Other Equipment	91,983
21	Total ME	\$ 3,302,812
22	Total Depreciation Reserve NH And ME	\$ 3,302,812
23	NH Allocation Via Annual Proportional Responsibility Factor	40.88% \$ 1,350,190
24	ME Allocation Via Annual Proportional Responsibility Factor	59.12% \$ 1,952,623
25	Supplemental Plant Adjustment	
26	NH Supplemental Plant Adjustment (Line 12 - Line 4)	\$ 1,873,246
27	ME Supplemental Plant Adjustment (Line 13 - Line 10)	\$ (1,873,246)
28	Supplemental Depreciation Reserve Adjustment	
29	NH Supplemental Plant Adjustment (Line 23 - Line 16)	\$ 1,350,190
30	ME Supplemental Plant Adjustment (Line 24 - Line 21)	\$ (1,350,190)

NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
 DEFERRED INCOME TAX PRO FORMA ADJUSTMENT
 SETTLEMENT ADJUSTMENT PURSUANT TO DOCKET 2008-155
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-5-4
Table of Contents

LINE NO.	(1) DESCRIPTION	(2) DECEMBER 31 2020
1	Nisource Original Plant Federal and State DIT Basis	\$ 4,053,514
2	Unitil Acquired Plant Federal and State DIT Basis	5,319,173
3	Greater of Line 1 or Line 2 to be Utilized as DIT Basis per Stipulation	<u>\$ 5,319,173</u>
4	Post-Acquisition Capital Expenditures Federal and State DIT Basis	\$ 29,619,418
5	Net Operating Loss DIT Related to Rate Base at 12/31/20	(12,929,468)
6	Total Plant and Capex Federal and State DIT to be Used in Rate Base (Line 3 + Line 4 + Line 5)	<u>\$ 22,009,122</u>
7	Less Test Year: Def Inc Tax - Accel Depr	<u>22,009,122</u>
8	Required Pro Forma Adjustment (Line 6 - Line 7)	<u>\$ -</u>

NORTHERN UTILITIES, INC.
WEIGHTED AVERAGE COST OF CAPITAL
5 QUARTER AVERAGE ENDED DECEMBER 31, 2020 PRO FORMA

Schedule RevReq-6
Table of Contents

LINE NO.	(1) DESCRIPTION	(2) AMOUNT	(3) PROFORMA ADJUSTMENT	(4) PROFORMED AMOUNT	(5) WEIGHT	(6) COST OF CAPITAL	(7) WEIGHTED COST OF CAPITAL	(8) REFERENCE
1	Common Stock Equity	\$ 229,204,938	\$ -	\$ 229,204,938	52.47%	9.50%	4.98%	Schedule RevReq 6-1 and 6-2
2	Preferred Stock Equity	-	-	-	0.00%	0.00%	0.00%	Schedule RevReq 6-1 and 6-3
3	Long Term Debt	207,640,000	-	207,640,000	47.53%	4.93%	2.34%	Schedule RevReq 6-1 and 6-4
4	Short Term Debt	-	-	-	0.00%	1.69%	0.00%	Schedule RevReq 6-1 and 6-5
5	Total	\$ 436,844,938	\$ -	\$ 436,844,938	100.00%		7.33%	

NORTHERN UTILITIES, INC.
 CAPITAL STRUCTURE FOR RATEMAKING PURPOSES
 5-QUARTER AVERAGE ENDED DECEMBER 31, 2020 PRO FORMA

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(3)	(8)	
LINE NO.	DESCRIPTION	DECEMBER 31 2019	MARCH 31 2020	JUNE 30 2020	SEPTEMBER 30 2020	DECEMBER 31 2020	5 QUARTER AVERAGE	PROFORMA ADJUSTMENT	PROFORMA AMOUNT
1	Common Stock Equity								
2	Common Stock	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ 1,000	\$ -	\$ 1,000
3	Misc. Paid In Capital	200,699,000	200,699,000	205,699,000	205,699,000	207,074,000	203,974,000	-	203,974,000
4	Retained Earnings	<u>24,380,042</u>	<u>29,943,726</u>	<u>26,634,154</u>	<u>20,738,662</u>	<u>24,453,104</u>	<u>25,229,938</u>	-	<u>25,229,938</u>
5	Total Common Stock Equity	225,080,042	230,643,726	232,334,154	226,438,662	231,528,104	229,204,938	-	229,204,938
6	Preferred Stock Equity	-	-	-	-	-	-	-	-
7	Long-Term Debt	198,200,000	190,000,000	190,000,000	230,000,000	230,000,000	207,640,000	-	207,640,000
8	Short-Term Debt ⁽¹⁾	-	-	-	-	-	-	-	-
9	Total	<u>\$ 423,280,042</u>	<u>\$ 420,643,726</u>	<u>\$ 422,334,154</u>	<u>\$ 456,438,662</u>	<u>\$ 461,528,104</u>	<u>\$ 436,844,938</u>	<u>\$ -</u>	<u>\$ 436,844,938</u>
10	Capital Structure Ratios								
11	Common Stock Equity	53.18%	54.83%	55.01%	49.61%	50.17%	52.47%		52.47%
12	Preferred Stock Equity	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%
13	Long-Term Debt	46.82%	45.17%	44.99%	50.39%	49.83%	47.53%		47.53%
14	Short-Term Debt ⁽¹⁾	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>	<u>0.00%</u>		<u>0.00%</u>
15	Total	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>		<u>100.00%</u>

Notes

(1) For ratemaking purposes the Company has imputed zero short-term debt

NORTHERN UTILITIES, INC.
WEIGHTED AVERAGE COST OF LONG-TERM DEBT
DECEMBER 31, 2020 PRO FORMA

Schedule RevReq-6-4
Table of Contents

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
LINE NO.	ISSUE	DATE ISSUED	TERM	FACE VALUE	OUTSTANDING AMOUNT	PROFORMA ADJUSTMENT	PROFORMED OUTSTANDING AMOUNT	ISSUANCE COSTS	NET PROCEEDS RATIO [(5)-(9)/(5)]	UNAMORTIZED ISSUANCE COSTS	NET PROCEEDS OUTSTANDING (8)-(11)	ANNUAL ISSUANCE COST	ANNUAL INTEREST COST Rate * (8)	TOTAL ANNUAL COST (13)+(14)	COST RATE BASED ON NET PROCEEDS (15)/[(8)-(11)]
1	7.72% Sr. Notes	12/3/2008	30 Yrs	\$ 50,000,000	\$ 50,000,000	\$ -	\$ 50,000,000	\$ 435,899	99.13%	\$ 260,401	\$ 49,739,599	\$ 14,534	\$ 3,860,000	\$ 3,874,534	7.79%
2	4.42% Sr. Notes	10/15/2014	30 Yrs	50,000,000	50,000,000	-	50,000,000	482,981	99.03%	383,031	49,616,969	16,099	2,210,000	2,226,099	4.49%
3	3.52% Sr. Notes	11/1/2017	10 Yrs	20,000,000	20,000,000	-	20,000,000	148,352	99.26%	101,374	19,898,626	14,835	704,000	718,835	3.61%
4	4.32% Sr. Notes	11/1/2017	30 Yrs	30,000,000	30,000,000	-	30,000,000	222,528	99.26%	199,039	29,800,961	7,418	1,296,000	1,303,418	4.37%
5	4.04% Sr. Notes	9/12/2019	30 Yrs	40,000,000	40,000,000	-	40,000,000	208,040	99.48%	225,229	39,774,771	6,954	1,616,000	1,622,954	4.08%
6	3.78% Sr. Notes	9/15/2020	20 Yrs	40,000,000	40,000,000	-	40,000,000	227,434	99.43%	190,778	39,809,222	11,372	1,512,000	1,523,372	3.83%
7	Total			\$ 230,000,000	\$ 230,000,000	\$ -	\$ 230,000,000	\$ 1,725,233		\$ 1,359,851	\$ 228,640,149	\$ 71,212	\$ 11,198,000	\$ 11,269,212	4.93%

NORTHERN UTILITIES, INC.
 COST OF SHORT-TERM DEBT
 12 MONTHS ENDED DECEMBER 31, 2020

Schedule RevReq-6-5
Table of Contents

(1)	(2)	(3)	(4)	(5)	
LINE NO.	MONTH	MONTH-END AMOUNT OUTSTANDING	AVERAGE DAILY BORROWINGS	MONTHLY SHORT-TERM INTEREST	INTEREST RATE ⁽¹⁾
1	January 2020	28,666,840	\$ 25,109,148	\$ 60,854	2.86%
2	February 2020	24,794,114	23,351,619	52,155	2.82%
3	March 2020	28,316,841	27,127,612	49,312	2.15%
4	April 2020	27,939,753	25,053,060	39,502	1.92%
5	May 2020	26,822,898	25,283,108	29,299	1.37%
6	June 2020	25,298,270	24,327,028	26,512	1.33%
7	July 2020	33,152,219	29,181,116	32,655	1.32%
8	August 2020	37,754,315	34,429,766	38,141	1.31%
9	September 2020	4,906,721	20,504,100	21,844	1.30%
10	October 2020	18,132,923	9,559,681	10,476	1.29%
11	November 2020	22,751,664	19,566,665	20,656	1.29%
12	December 2020	26,747,022	<u>24,606,907</u>	27,020	<u>1.30%</u>
13	Average for the Year		<u><u>24,008,317</u></u>		<u><u>1.69%</u></u>

Notes

(1) The Interest Rate is calculated as follows: [Column (4) / # of days in month * 366] / Column (3).

**NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
WORKPAPERS SUPPORTING REVENUE REQUIREMENT
12 MONTHS ENDED DECEMBER 31, 2020**

Northern Utilities, Inc.
 Gas Inc Stmt - NH - YTD
 R_NU_4_BF_NH

Workpaper - Income Statement
 Schedule 4 NH
 4/20/2021
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 For Periods Ending December 31, 2020

Table of Contents

	2019 Base	2019 Flowthru	Total	2020 Base	2020 Flowthru	Total
OPERATING REVENUES						
Sales:						
Residential (480)	19,612,987	14,904,240	34,517,227	19,232,153	10,809,182	30,041,335
General Service (481)	11,028,771	17,278,063	28,306,834	10,623,702	11,698,198	22,321,900
Firm Transport Revenues (484, 489) (External Sup)	8,612,979	1,216,889	9,829,867	8,583,266	1,156,548	9,739,814
Sales for Resale (483)	-	2,870,979	2,870,979	-	1,107,459	1,107,459
Other Sales (495)	236,169	(3,751,608)	(3,515,439)	(201,864)	2,446,481	2,244,617
Total Sales	39,490,906	32,518,563	72,009,468	38,237,257	27,217,869	65,455,125
Other Operating Revenues:						
Late Charge (487)	76,773	-	76,773	36,761	-	36,761
Misc. Service Revenues (488)	875,755	-	875,755	852,304	-	852,304
Rent from Property (493 & 457)	200,952	-	200,952	218,628	-	218,628
Other Revenues	-	(311,587)	(311,587)	-	120,656	120,656
Total Other Operating Revenues	1,153,480	(311,587)	841,893	1,107,692	120,656	1,228,348
TOTAL OPERATING REVENUES	40,644,386	32,206,975	72,851,361	39,344,949	27,338,525	66,683,473
OPERATING EXPENSES						
Operation & Maint. Expenses:						
Production (710-813)	477,446	27,749,285	28,226,731	449,736	23,095,124	23,544,860
Transmission (850-857)	72,713	-	72,713	63,829	-	63,829
Distribution (870-894) (586)	3,509,448	-	3,509,448	3,733,377	-	3,733,377
Cust. Accounting (901-905)	2,580,251	188,507	2,768,758	2,508,645	99,544	2,608,189
Cust. Service & Info (906-910)	71,870	2,247,505	2,319,375	73,074	2,268,632	2,341,706
Sales Expenses (911-916)	64,467	-	64,467	69,178	-	69,178
Admin. & General (920-935)	7,607,751	71,540	7,679,291	6,682,552	58,225	6,740,777
Total O & M Expenses	14,383,947	30,256,837	44,640,784	13,580,391	25,521,524	39,101,915
Other Operating Expenses:						
Deprtn. & Amort. (403-407)	8,884,559	120,384	9,004,943	9,693,559	(0)	9,693,559
Taxes-Other Than Inc. (408)	4,306,298	-	4,306,298	4,867,774	-	4,867,774
Federal Income Tax (409)	52,380	-	52,380	(30,211)	-	(30,211)
State Franchise Tax (409)	(309,547)	-	(309,547)	(384,644)	-	(384,644)
Def. Income Taxes (410,411)	2,975,683	-	2,975,683	2,600,179	-	2,600,179
Total Other Operating Expenses	15,909,373	120,384	16,029,757	16,746,657	(0)	16,746,657
TOTAL OPERATING EXPENSES	30,293,320	30,377,221	60,670,541	30,327,047	25,521,524	55,848,571
NET UTILITY OPERATING INCOME	10,351,066	1,829,755	12,180,820	9,017,901	1,817,001	10,834,902
OTHER INCOME & DEDUCTIONS						
Other Income:						
AFUDC - Other Funds (41901)	-	-	-	-	-	-
Other (415- 421)	280,289	(37,502)	242,787	231,700	(25,362)	206,339
Other Income Deduc. (425, 426)	232,636	-	232,636	151,744	-	151,744
Taxes Other than Income Taxes:						
Income Tax, Other Inc & Ded	2,752	-	2,752	14,786	-	14,786
Net Other Income (Deductions)	44,901	(37,502)	7,400	65,170	(25,362)	39,809
GROSS INCOME	10,395,967	1,792,253	12,188,220	9,083,072	1,791,639	10,874,711
Interest Charges (427 - 432)	4,670,265	3,717	4,673,982	4,777,155	1,286	4,778,441
NET INCOME	5,725,702	1,788,536	7,514,238	4,305,917	1,790,353	6,096,270

Northern Utilities, Inc.
 Gas Inc Stmt - NH - YTD
 R_NU_4_B_FTxB_NH

Workpaper - Flowthrough Detail
 4/20/2021
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 For Periods Ending December 31, 2020

Table of Contents

Commodity	Working	Bad	Residential	Environ	Rate	Recoup	Lost	On-Bill	Total	Total	Total	Cost	LDAC		
Demand	Capital	Debt	Low	Response	Case		Revenue	Financing	Flowthru	Base	New Hampshire	of Gas	Flowthrough		
COG			Income	Costs	Exp						Division	Total	Total		
			Assistance	Energy											
			Efficiency												
OPERATING REVENUES															
Sales:															
Residential (480)	\$ 9,402,656	\$ 6,775	\$ 66,784	\$ 15,479	\$ 977,734	\$ 103,733	\$ 0	\$ (0)	\$ 236,021	\$ -	\$ 10,809,182	\$ 19,232,153	\$ 30,041,335	\$ 9,476,216	\$ 1,332,967
General Service (481)	10,833,043	7,005	75,810	77,272	542,605	119,301	(25)	11	43,177	-	11,698,198	10,623,702	22,321,900	10,915,858	782,341
Firm Transport Revenues (484, 489) (External Sup)	-	-	-	114,130	802,535	175,875	25	(11)	63,995	-	1,156,548	8,583,266	9,739,814	0	1,156,548
Sales for Resale (483)	1,107,459	-	-	-	-	-	-	-	-	-	1,107,459	-	1,107,459	1,107,459	-
Other Sales (495)	2,291,577	11,582	(43,051)	115,868	41,657	-	-	-	15,896	12,952	2,446,481	(201,864)	2,244,617	2,260,108	186,373
Total Sales	23,634,735	25,362	99,544	322,748	2,364,531	398,908	(0)	-	359,089	12,952	27,217,869	38,237,257	65,455,125	23,759,640	3,458,228
Other Operating Revenues:															
Late Charge (487)	-	-	-	-	-	-	-	-	-	-	36,761	36,761	-	-	-
Misc. Service Revenues (488)	-	-	-	-	-	-	-	-	-	-	852,304	852,304	-	-	-
Rent from Property (493 & 457)	-	-	-	-	-	-	-	-	-	-	218,628	218,628	-	-	-
Other Revenues	120,656	-	-	-	-	-	-	-	-	-	120,656	-	120,656	120,656	-
Total Other Operating Revenues	120,656	-	-	-	-	-	-	-	-	-	1,107,692	1,228,348	120,656	-	-
TOTAL OPERATING REVENUES	23,755,391	25,362	99,544	322,748	2,364,531	398,908	(0)	-	359,089	12,952	27,338,525	39,344,949	66,683,473	23,880,296	3,458,228
OPERATING EXPENSES															
Operation & Maint. Expenses:															
Production (710-813)	22,696,215	-	-	-	-	398,908	-	-	-	-	23,095,124	449,736	23,544,860	22,696,215	398,908
Transmission (850-857)	-	-	-	-	-	-	-	-	-	-	63,829	63,829	-	-	-
Distribution (870-894) (586)	-	-	-	-	-	-	-	-	-	-	3,733,377	3,733,377	-	-	-
Cust. Accounting (901-905)	-	-	99,544	-	-	-	-	-	-	99,544	2,508,645	2,608,189	99,544	-	-
Cust. Service & Info (906-910)	-	-	-	-	2,255,679	-	-	-	12,952	2,268,632	73,074	2,341,706	(0)	2,268,632	-
Sales Expenses (911-916)	-	-	-	-	-	-	-	-	-	-	69,178	69,178	-	-	-
Admin. & General (920-935)	-	-	-	58,225	-	-	-	-	-	-	58,225	6,682,552	6,740,777	-	58,225
Total O & M Expenses	22,696,215	-	99,544	58,225	2,255,679	398,908	-	-	-	12,952	25,521,524	13,580,391	39,101,915	22,795,759	2,725,765
Other Operating Expenses:															
Depn. & Amort. (403-407)	-	-	-	-	-	-	(0)	-	-	(0)	9,693,559	9,693,559	-	-	(0)
Taxes-Other Than Inc. (408)	-	-	-	-	-	-	-	-	-	-	4,867,774	4,867,774	-	-	-
Federal Income Tax (409)	-	-	-	-	-	-	-	-	-	-	(30,211)	(30,211)	-	-	-
State Franchise Tax (409)	-	-	-	-	-	-	-	-	-	-	(384,644)	(384,644)	-	-	-
Def. Income Taxes (410,411)	-	-	-	-	-	-	-	-	-	-	2,600,179	2,600,179	-	-	-
Total Other Operating Expenses	-	-	-	-	-	-	(0)	-	-	(0)	16,746,657	16,746,657	-	(0)	(0)
TOTAL OPERATING EXPENSES	22,696,215	-	99,544	58,225	2,255,679	398,908	(0)	-	-	12,952	25,521,524	30,327,047	55,848,571	22,795,759	2,725,765
NET UTILITY OPERATING INCOME	1,059,176	25,362	-	264,523	108,852	-	-	-	359,089	-	1,817,001	9,017,901	10,834,902	1,084,537	732,463
OTHER INCOME & DEDUCTIONS															
Other Income:															
Other (415- 421)	-	(25,362)	-	-	-	-	-	-	-	(25,362)	231,700	206,339	(25,362)	-	-
Other Income Deduc. (425, 426)	-	-	-	-	-	-	-	-	-	-	151,744	151,744	-	-	-
Taxes Other than Income Taxes:															
Income Tax, Other Inc & Ded	-	-	-	-	-	-	-	-	-	-	14,786	14,786	-	-	-
Net Other Income (Deductions)	-	(25,362)	-	-	-	-	-	-	-	(25,362)	65,170	39,809	(25,362)	-	-
GROSS INCOME	1,059,176	-	-	264,523	108,852	-	-	-	359,089	-	1,791,639	9,083,072	10,874,711	1,059,176	732,463
Interest Charges (427 - 432)	1,286	-	-	-	-	-	-	-	-	-	1,286	4,777,155	4,778,441	1,286	-
NET INCOME	\$ 1,057,890	\$ -	\$ -	\$ 264,523	\$ 108,852	\$ -	\$ -	\$ -	\$ 359,089	\$ -	\$ 1,790,353	\$ 4,305,917	\$ 6,096,270	\$ 1,057,890	\$ 732,463

**NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
COST OF GAS OPERATING INCOME STATEMENT
12 MONTHS ENDED DECEMBER 31, 2020**

**Workpaper - Cost of Gas
Table of Contents**

LINE NO.	(1) DESCRIPTION	(2) TEST YEAR COST OF GAS	(3) LESS: INDIRECT PRODUCTION & O.H.	(4) COST OF GAS EXCL. PROD. & O.H.
	OPERATING REVENUES			
1	TOTAL SALES	23,759,640	1,057,890	22,701,750
2	TOTAL OTHER OPERATING REVENUES	120,656	-	120,656
3	TOTAL OPERATING REVENUES	23,880,296	1,057,890	22,822,406
	OPERATING EXPENSES:			
4	OPERATING EXPENSES:			
5	PRODUCTION	22,696,215	-	22,696,215
6	TRANSMISSION	-	-	-
7	DISTRIBUTION	-	-	-
8	CUSTOMER ACCOUNTING	99,544	-	99,544
9	CUSTOMER SERVICE	(0)	-	(0)
10	SALES EXPENSE	-	-	-
11	ADMINISTRATIVE & GENERAL	-	-	-
12	DEPRECIATION	-	-	-
13	AMORTIZATIONS	-	-	-
14	TAXES OTHER THAN INCOME	-	-	-
15	FEDERAL INCOME TAX	-	-	-
16	STATE INCOME TAX	-	-	-
17	DEFERRED FEDERAL & STATE INCOME TAXES	-	-	-
18	INTEREST ON CUSTOMER DEPOSITS	-	-	-
19	TOTAL OPERATING EXPENSES	22,795,759	-	22,795,759
20	NET OPERATING INCOME	1,084,537	1,057,890	26,647

**NORTHERN UTILITIES, INC. - NEW HAMPSHIRE
SUMMARY OF ALLOCATORS
12 MONTHS ENDED DECEMBER 31, 2020**

Workpaper Allocators

	<u>Allocation Factor</u>
USC Labor & OH Charged to NuNH (Payroll)	20.18%
USC Labor & OH Charged to NuNH (Benefits)	19.85%
<u>Capitalization Rates</u>	
NuNH Payroll	46.69%
NuNH Benefits	48.76%
USC Labor & OH Charged to Construction (Payroll)	32.52%
USC Labor & OH Charged to Construction (Benefits)	31.51%
Incentive Compensation - NuNH	84.00%

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Northern Utilities, Inc.
 Calculation of Temporary Rate Adjustment

DG 21-104
 Schedule CGDN-4
 Page 1 of 1

Line No.	Description	2020 Adjusted Base Year Revenue ⁽¹⁾	Allocated Temporary Rate Increase ⁽²⁾	2020 Adjusted Billing Determinant (therms) ⁽³⁾	Temporary Rate Factor \$ per therm
1	Residential	\$ 21,225,409	1,717,764	20,304,525	\$ 0.0846
2	Commercial & Industrial	18,571,431	1,502,979	53,847,584	\$ 0.0279
3	Total	\$ 39,796,840	\$ 3,220,742	74,152,109	

Notes:

(1) Reference Amen/Taylor Schedule RAJT-11, Pages 1 through 3, Col I

(2) Reference Schedule CGDN-3 for total temporary rate increase. Allocated proportionally by 2020 adjusted base year revenue

(3) Reference Amen/Taylor Schedule RAJT-11, Pages 1 through 3, Col H