STATE OF NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

DG 17-070

NORTHERN UTILITIES, INC.

Petition for Step Increase in Distribution Rates

Order Approving Step Increase

<u>**ORDER**</u> <u>NO.</u> 26,246

May 2, 2019

APPEARANCES: Gary Epler, Esq., on behalf of Northern Utilities, Inc.; the Office of the Consumer Advocate by D. Maurice Kreis, Esq., on behalf of residential ratepayers; and Paul B. Dexter, Esq., on behalf of Commission Staff.

In this order, the Commission approves a step increase in distribution rates effective May 1, 2019, for Northern Utilities to recover recent plant investments. A typical residential heating customer who uses 103.0 therms per month in the winter and 22.7 therms per month in the summer is expected to see an increase of \$26.45 per year or 1.93 percent of the customer's total bill.

I. PROCEDURAL HISTORY

The Commission approved a settlement agreement (Settlement) which allowed Northern Utilities, Inc., (Northern or the Company), a permanent increase in distribution rates effective May 1, 2018. Order No. 26,129 (May 2, 2018) at 14-15. The Commission also approved a step increase in rates effective May 1, 2018, with the option of a second step increase effective May 1, 2019. *Id.* at 9, 14-15.

Northern filed a request for a second step increase on February 28, 2019. Its filing included an affidavit, with related attachments, from Todd R. Diggins, the Director of Finance for Unitil Service Corp. (Unitil Service), an affiliated company which provides administrative and other services to Unitil Corporation's public utility subsidiaries, including Northern.

Northern's initial filing and subsequent docket filings, other than any information for which confidential treatment is requested of or granted by the Commission, are posted on the Commission's website at <u>http://puc.nh.gov/Regulatory/Docketbk/2017/17-070.html</u>.

On March 12, 2019, the Commission issued a Supplemental Order of Notice scheduling a hearing on April 9, 2019. Northern subsequently filed the joint testimony of Todd R. Diggins, Christopher J. LeBlanc, Vice President of Gas Operations for Unitil Service, and Kevin E. Sprague, Vice President of Engineering for Unitil Service, with related attachments.

After reviewing the joint testimony, Commission Staff (Staff) issued several data requests regarding budget variances among the five largest projects. Northern made a supplemental filing on April 8, 2019, which reflected a revenue requirement \$31,623 lower than its initial filing on February 28. On April 9, 2019, Commission Audit Staff filed their final audit report after conducting an audit of Northern's requested step increase.

The April 9 hearing began as scheduled, but it was continued to April 17, 2019, to allow the parties and Staff to hold a technical session on April 9. During the April 9 technical session, the parties and Staff reviewed Northern's data responses and the final audit report.

At the April 17 hearing, appearances were entered by Northern, the Office of the Consumer Advocate (OCA), and Staff. There were no requests to intervene. Northern's witnesses adopted their pre-filed testimony during the hearing. Staff and the OCA introduced several exhibits at the hearing.

Following the April 17 hearing, Northern made a revised supplemental filing on April 25, 2019. In that revised filing, Northern corrected some of the figures contained in its April 8 supplemental filing, resulting in a revenue requirement that was \$4,751 lower than that stated in the April 8 filing. Northern also introduced additional evidence in response to a number of record requests.

II. POSITIONS OF THE PARTIES AND STAFF

A. Northern

In its February 28 filing, Northern stated that the Settlement provided that the Company could request a step adjustment for effect May 1, 2019, based on investments made during 2018 in eligible facilities, up to a revenue requirement cap of \$2,215,273, using the same method of calculation approved for the May 1, 2018, step adjustment for 2017 eligible facilities. Hearing Exhibit (Exh.) 9 at Attachment 2, p. 1 of 4. In the February 28 filing, Northern requested a step increase to collect a revenue requirement of \$1,431,349, based on \$10,031,783 of investments. *Id.* Eligible facilities were defined in the Settlement as Gas Main Extensions, the New Hampshire Main Replacement Program, Gas Highway projects, and the Rochester Reinforcement Project. Northern stated that the impact of its requested step adjustment for Residential Heating customers ranged from 1.9 percent to 4.1 percent of the total bill, depending on a customer's usage level. *Id.* at 2 of 4.

In testimony submitted on March 22, 2019, Northern explained its capital budgeting and spending process and procedures. Exh. 10 at 9-12. Northern stated that over 70 percent of the eligible facility spending in 2018 was for Gas Highway projects. Gas Highway projects are those that replace gas facilities required to be relocated by city or state roadway projects, or municipal infrastructure projects such as sewer work. In addition, Northern provided details about the six largest projects undertaken that, in total, represented about 74 percent of the eligible facility spending in 2018 that was included in the requested step adjustment, including the Gas Highway project on Whitehouse Road in Rochester, where Northern spent over \$5 million to relocate 6,700 feet of existing gas main and 25 gas services, at the city's request. *Id.* at 16-17. Also, Northern provided construction authorizations and cost records for each project included in the step adjustment.

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In its April 8 Supplemental Filing, Northern reduced its request to \$1,399,726, by removing Gas Main Extension projects costing less than \$30,000, the cost threshold for step adjustment recovery, as required by the Settlement. Exh. 11. In its April 24 Revised Supplemental Filing, Northern reduced the revenue requirement request to \$1,394,975 to correct an error in the depreciation calculation.

B. OCA

The OCA recommended that costs incurred for incremental Saturday (\$76,995) and Sunday (\$14,122) work on Whitehouse Road, be disallowed for recovery in the step adjustment stating that better planning by Northern in identifying ledge in the construction path would have obviated the need for Northern to incur the extra weekend costs. Exh. 13. The OCA noted that each test boring for ledge cost about \$500 and that the impact of undetected ledge on this project was significant and therefore, more complete pre-construction testing was warranted.

The OCA also requested that Northern be required, within 60 days of an order in this proceeding, to file a procedure for pre-construction test borings for review and approval by the Commission. Finally, the OCA supported the disallowances related to Contributions in Aid of Construction (CIACs) proposed by Staff, as discussed below.

C. Staff

Staff stated that this was a difficult filing to review because the initial filing provided insufficient detail to evaluate the eligible facilities. Sufficient detail was provided with the March 22 testimony and attachments, but that was almost halfway through the two-month period for review established under the terms of the Settlement Agreement. Staff also noted that the Company's initial request of February 28 and its testimony and attachments filed March 22, contained information for many projects that were not eligible for recovery in the step increase,

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under the unambiguous terms of the Settlement.¹ Further, Staff alerted Northern at the April 9 technical session that its depreciation calculation was based on incorrect plant numbers, but Northern did not correct that error until its April 25 Revised Supplemental Filing.

Staff recommended two disallowances to the step adjustment (and permanent rate base) related to projects involving customer CIACs. Specifically, Staff maintained that Northern received an insufficient CIAC of \$110,481 for the 201 Atlantic Avenue, North Hampton project and received no CIAC for the 10 Hampshire Road, Salem project. Exh. 10, Attachment 5, pages 21 and 33 of 268. Staff stated that both of those projects encountered significant budget increases as construction progressed, resulting in CIAC requirements for the two projects of \$214,013 and \$45,950 respectively. Exhs. 20 and 19. No additional CIAC was sought or obtained by Northern from those customers, despite a provision in the customer service contract allowing for CIACs to be adjusted upward to reflect actual construction costs and giving those customers the opportunity to decide whether to proceed. Exh. 16.

Staff's position is that Northern's other customers should not be required to make up for the CIAC shortfalls (equal to \$149,482) through higher base rates. Thus, Staff recommended permanent rate base disallowances so that customers would not to be required to bear the CIAC shortfalls through rates set in a future rate case.

D. Northern's Reply to OCA and Staff

The OCA and Staff made several recommendations at the April 17 hearing, as discussed above. In response to issues raised by the OCA, Northern stated that it did not support a Commission review of its test boring practice, but that it was reviewing the procedures itself to identify and correct any shortcomings in its process. Further, Northern opposed any

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¹ The Settlement limits eligible facilities for Gas Main Extension projects to projects costing more than \$30,000, yet both the February 28 filing and nearly 300-page attachment to the March 22 testimony contained information about projects costing less than \$30,000. Northern excluded those projects from its April 8 filing (Exh. 11) but never re-filed the large attachment to the March 22 testimony with the smaller project details removed.

disallowances for incremental Saturday and Sunday costs on the Whitehouse Road project, stating that Northern acted quickly and appropriately to bring the project to completion once it encountered ledge during excavation, and that it needed to work weekends to meet deadlines imposed by the city of Rochester.

Concerning Staff's recommended disallowance of customer CIACs, Northern stated that it should have flexibility to decide what CIAC it charges customers, and that, when viewed as a portfolio, all of its 2018 projects generated a sufficient internal rate of return so that, in total, net benefits would be returned to other customers from those main extensions. In the alternative, Northern requested that if the Commission disallows the CIAC shortfalls, the disallowance not be permanent. Rather, Northern requested that it be allowed to show in its next rate case that those main extensions are providing net benefits to all customers, and that the disallowance be reversed.

III. COMMISSION ANALYSIS

Step adjustments are a mechanism the Commission has approved for limited use between rate cases to allow a utility to collect additional revenue on investments that are generally nonrevenue producing and are made to improve safe and reliable service. Step adjustments are generally limited in scope and allow recovery for investments similar to those that have been reviewed in the underlying rate case that established the step adjustment provision.

The review period for a step adjustment is significantly shorter than that of a general rate case. Accordingly, it is important that an initial step adjustment filing be complete. In this case, Northern's filing had to be supplemented and revised several times, in order to allow Staff and the OCA to conduct a complete review and for the Commission to see the complete impact of the step increase on rates. Utilities have the burden of showing that capital investments included in step adjustments are prudent, in service, and used and useful. The mere assertion that

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investments were made up to an established cap is insufficient to support a claim for cost recovery. *Liberty Utilities (Granite State Electric) Corp.*, Order No. 26,141 at 6 (May 31, 2018). At hearing, Northern agreed that initial filings in future step adjustment requests will include testimony with sufficient detail to allow review of the investments and related costs.

Concerning the incremental costs for work done on Saturdays and Sundays on the Whitehouse Road project in Rochester, we decline to adopt the OCA's recommended disallowance. While undetected ledge delayed the project and caused considerable additional cost, Northern performed ten pre-construction test borings and all showed no presence of interfering ledge. We find that it was not unreasonable for Northern to rely on that information and decline to penalize Northern under the circumstances. We expect, however, the Company will be mindful of the location and number of boring tests conducted in the future. While we do not see the need to review Northern's test boring policy at this time, we strongly encourage Northern, on its own initiative, to analyze its policies and practices to better identify the presence of ledge and mitigate the cost of removal.

Concerning the issue Staff raised with Northern's CIACs for the Atlantic Avenue, North Hampton project, and the Hampshire Road, Salem project, we agree that the shortfall amounts should not be recovered through the step adjustment. We adopt the recommended disallowance for purposes of this step adjustment. Because events surrounding main extensions can change with time, (for example, additional customers may take service) we will allow Northern to make a presentation in its next rate case demonstrating why the full cost of those main extensions should be included in rate base at that time.

The approved recalculated revenue requirement for the step adjustment, reflecting the CIAC-related disallowances of \$149,482, is \$1,373,158. *See* Appendix 1 to this order. The resulting approved rates and bill impacts on a typical residential heating customer are shown in

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Appendix 2 and Appendix 3, respectively, to this order. We find those rates to be just and reasonable, pursuant to RSA 374:1, RSA 374:2, RSA 378:7 and RSA 378:28.

Based upon the foregoing, it is hereby

ORDERED, that Northern is authorized to begin recovery of the 2019 step adjustment in the amount of \$1,373,158 in rates effective with services rendered on and after May 1, 2019; and it is

FURTHER ORDERED, that the rates contained in Appendix 2 are approved effective with services rendered on and after May 1, 2019; and it is

FURTHER ORDERED, that Northern shall file a compliance tariff within 15 days of the date of this Order.

By order of the Public Utilities Commission of New Hampshire this second day of May, 2019.

Honigberg

Aantur P. Honigber Chairman

Kathryn M. Bail Commissioner

Michael S. Giaimo Commissioner

Debra A. Howland Executive Director

Attested by:

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Docket No. DG 17-070 Northern Utilities, Inc. - New Hampshire Rate Plan Capital Expenditures - Eligible Facilities Adjusted for CIAC 2019 Step Adjustment

	Rate Effective Date: May 1, 2019		19
Line No.	Description	Inve	stment Vear 2018
	Rate Base		
1	Utility Plant Additions	s	8,987,173
2	Cost of Removal		628,116
3	2018 Capital Expenditures - Eligible Facilities	2	9,615,289
4	Accumulated Depreciation		122,056
5	Net Utility Plant		9,493,233
6	Accumulated Deferred Income Taxes (ADIT)		25,309
7	Rate Base	S	9,467,924
	Revenue Requirement		
8	Rate Base	S	9,467,924
9	Pre-Tax Rate of Return		9.43%
10	Return and Related Income Taxes	S	892,665
11	Depreciation Expense		244,112
12	Property Taxes ⁽¹⁾		236,381
13	Revenue Requirement	S	1,373,158
	Rate Cap Limit:		
14	Revenue Requirement	S	1,373,158
15	Revenue Requirement Cap	s	4,552,719
16	Less: May 1, 2018 Step Adjustment Revenue Requirement		2.337,446
17	Remaining May 1, 2019 Step Adjustment Revenue Requirement Cap	S	2,215,273
18	Allowable Revenue Requirement (Min of Line 14 or 17)	S	1,373,158
	Supporting Calculations		
19	Book Depreciation	s	244,112
	Tax Depreciation		
20	Utility Plant Additions	S	8,987,173
21	Tax Depreciation Rate		3.75%
22	Tax Depreciation	S	337,019
23	Tax-Book Timing Difference	S	92,907
24	Income Tax Rate		27.24%
25	Accumulated Deferred Income Taxes (ADIT)	S	25,309
26	Accumulated Depreciation = Book Depreciation * 0.5		122,056

<u>Notes:</u> (1) 2.49% rate (2018 Property Taxes of \$4,423,909 / 2018 Net Utility Plant of \$177,697,797)

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Dochet Na. DG 17-070 Northern Utilikies, Inc. - Ken Hampshire 2018 Eligible Facilities Project Detail Step 2 Rate Adjustment

ise in	Budget Category	Work Order Number	Work. Order Description		fastal)	A	CIAC djustment		tdjusted Install		Removal		otal	In Service I
1	Gas Main Estensions													
1	JAB	N-0018-88-80183-121	201 Atlantic Ave North Hompton NH	5	\$13,228	5	(103,532)	S	419,696	s	- 5	5	419,696	10/2011
2	JAB	N-008849-00183422	113, 114, 115 & 117 Batchelder Rd Seabrook NH		49,383				49,383				49,383	11/2018
3	JAB	N-001850-80183424	104 Washington St Dover NB		138,919				134,919				134,919	12/2011
4	JAB	N-008851-80183425	10 Hampshire Rd Salem NH		100,687		(45,950)		54,737		8		54,737	12/201
5	JAB	N-008865-00183440	121 Corporate Drive Portsmonth NH		122.287				122.287		-		123.287	12/201
5	JAB	N-008066-00183442	140 Wakefield St Rochester NH		41,0%7				41,9917				41,097	\$2/201
2	JAB	N-008069-00183445	199 Towle Form Rd Hampton NH		87.436				87,536				87,536	12/201
i i	JAB	N-808080-08183456	6 Berthwich Ave Pertunenth Nil		124,347				124,347				124,347	12/201
	JPN	N-008091-08183458	191 International Drive Portsmouth NH		169,896				169,896				169,896	12/201
0	1. The Part of the	in Estensions Excluding Se		5	1,357,370	5	(149,482)	5	1,207,649	\$,207,888	12/201
	C													
î ⁱ	Ges Main Estensions JAC	N-806031-08163445	Bramber Valley 12# Post Rd Greenland	\$	54,549			s	54,549	<	1.961	6	56,510	96/281
2	JAC	71-806039-00163458	Emerald La/Indian Ridge Dever	1.00	124,647				124,607		45.560	• ·	178,167	05/201
3	JAC	N-887013-08173418	407 Old Dever Rd. Rechester		49,031				49,031		42,204		49,031	18/201
					49,011				43,831					05/201
4	JAC	N-007022-00173437	Congress St/Fleet St/Vaugn Moll Rd Portsmouth NH		you with						123,322		123,322	
5	JAC	N-087852-09173469	Tuscan Village Project/Pleasant St		503,727				\$03,727				503,727	12/201
6 7	JAC Tetal Cas Ma	N-067868-00173489 lin Extensions Carryster Et	206 Green St Somersworth NH	5	66,N97 798,723	_		5	4.6 NO9 798,723		178,843		66,809 967,565	85/201
	19101-001-010	In Election Californ L	LINGUNG JETTICE	3	179,122				114,144	ſ.	110 1000		1012.00	
	NII Bare Steel Replac		The second se					5						
	100	N-007017-00173418	Fern Ct Dever NII	5	91			3	91	3		3	91	01/20
9	100	N-007017-00173421	Central Ave/ Washington St		(1,554)				(1,554)		-		(1.554)	82/201
9	100	N-007617-00173422	Robie St Hampton NH		30				34				30	#1/2#6
1	JCO	N-007017-98173423	Scott Rd Hampton NH		34				34				34	81/201
2	JCO	N-007017-06173-131	High St / Walant St Rochester NH		217				217				267	02/201
3	JCO	1-007017-04173432	Lois 5t Rochester NH		39				39		-		39	61/201
ä –	JCO	N-007017-00173456	Paving and lawn restoration for 2016		48,059				44,859		5,284		53,343	01/201
5	JCO	N-007817-00173467	Franklin D/Woodbury Ave		130				130				130	01/201
6	JCO	N-007017-00173499	Fourth St Dever NII		1,459				1,459		-		1,559	05/201
7	Total NII Ba	re Steel Replacement Carry	at 27	5	48,605			s	48,605	\$	5,284	5	53,889	
	Gas Highway Project	n City State												
3	AHB	N-008030-00183411	Whitehouse Rd Rochester NII	\$	5,418,362			5	5,418,362	5	a 1	S 3	,418,362	12/201
9	JHB	N-0080-10-00183-112	Barberry Ln/Green St Portsmonth NH		393,817				393,817				393,817	12/201
8	JHEB	N-008042-00183414	Stark St Bridge Portsmouth NII		238,928				230,928				230,928	12/201
1	JHB	N-00H045-00183416	818 Central Ave Dever NH		143,710				143,718				143,718	11/201
2	JHB	N-00K047-00183420	Woodbury AverPiscataqua Dr Newington NH		297.946				297,948		2		297,948	10/201
ů.	JHB	N-008057-00183434	Daniel St and Tremont St Earler NH		74,189				74,109		-		74,189	11/201
4											22.370		1.	13/20
	JHB	N-008059-00183435	Railroad Ase & Brickyard Rd Rockester NH		164,039				164,939		32,370		196,410	10/20
15	JHB	N-80606R-001R3-1-14	Lafayette Rd a Andrew Jarvis Way Partsmouth NH		54,510				54,510		2		54,510	
16	JHB	N-088076-00183451	Jackson St/Sylvain St Rochester NH		233,793				233,793		A		233,793	11/28
7	JIIB	N-008085-00183464	Green St Pertamouth NH		50,472				50,472				50,472	12/28
8	JHB	N-008067-00183466	Main St Salem NH	-	22,3495	_			22,895		*	-	22,895	12/20
9	Tetal Gas II)	ghway Projects City State		\$	7,064,583			s	7,884,582	S	32,370	\$ 1	116,952	
		ts Carrymer City State												
0	JHC	N-0070-10-00173-146	Islington St/Bartlett St Portsmonth NH	5	61,016			\$	61,916	-5	263,97%	5	324,994	86/28
11	JHC	71-807045-08173500	Dover Point Rd Crossing Dover NH		16,321				16,328		-		16,321	11/28
12	JHC	N-007046-00173452	Walefield St Rainester NH		(78,533	1			(78,533)		42,4%2		(36,051)	05/28
13	JHC	N-007050-00173464	Court St HDD Excler NH		5,448				5,448		(9,739		25,167	05/20
4	JHC	N-007058-00173476	Tanner, Parker, Sudbury, Brewster, McDonough Portsmouth NH		(93,397				193,3471				(193,397)	04/28
15	JHC	N-007069-00173492	Chestaut St Portsmouth NH		1.503				1.502				1_502	93/28
15	JHC	N-007078-00173493	Third St Bover NII		47,249				47.249		7.685		54,851	06/28
		74-007078-00173493 ighway Projects Carrywer (-	47,249			5	(40,403)	\$	333,751	\$	293,388	20128
17					1507030	~~								
17														
	Rochester Relafister		Barbester Beinforrement		(112.72)				(112.221)	1	85.827	s	(26.394)	06/28
17 18 19	JPB	neni N-007059-00173477 Ster Reinforcement	Rochester Reinforcement	5	(112,221		82	5	(112,221)			5	(26,394)	06/28

Docket No. DG 17-070 Northern Utilities, Inc. - New Hampshire Calculation of Rate Plan Depreciation Expense Step 2 Rate Adjustment

Line No.	FERC ACCOUNT	Additions	CIAC Adjustment	Adjusted Additions	Rate	Depreciation Expense
1	376-20 Mains, Coated/Wrapped-G	S 5,791,929	s -	S 5,791,929	2,66%	S 154,065
2	376-30 Mains, Bare Steel-G		-	-	N/A	-
3	376-40 Mains, Plastic-G	3,556,073	(149,482)	3,406,591	2.87%	97,769
4	376-60 Mains, Cathodic Protectio-G	6,797	•	6,797	4.17%	283
5	378-20 Measuring & Regulating St-G		. 		3.50%	5 5
6	380-00 Services-G	(218,145)	-	(218,145)	3.67%	(8,006)
7	Total	\$ 9,136,655	S (149,482)	S 8,987,173		S 244,112

Docket No. DG 17-070 Northern Utilities, Inc. - New Hampshire Pre Tax Rate of Return December 31, 2016 Pro Forma Step 2 Rate Adjustment

	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Line No.	Description	Amount	Weight	Cost of Capital	Weighted Cost of Capital	Tax Factor	Pre-Tax Cost
Ť.	Common Stock Equity	\$155,183,729	51.70%	9,50%	4.91%	1.3744	6.75%
2	Long Term Debt	145,000,000	48.30%	5.55%	2.68%		2.68%
3	Short Term Debt	_	0.00%	2.19%	0.00%		0.00%
4	Total	S 300,183,729	100.00%		7.59%		9.43%

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Docket No. DG 17-017 Northern Utilities, Inc. - New Hampshire Settlement - Step 2 Adjusted Rates

Rates Effective Date: May 1, 2019

May 1,	2019	Step	2	\$ Increase
May 1,	2019	Step	2	Percent Increase

\$1,373,158 3.91%

			Winter Blocks		Summe		
		Customers	First	Excess	First	Excess	
	Rate Class	Charge	Therms \$/thm	Therms \$/lhm	Therms \$/thm	Therms \$/thm	Revenue
R-5	Residential, Heating	\$22.20	\$0.6920	\$0.6920	\$0.6099	\$0.6099	\$17,283,628
R-10	Residential Heating, Low Income	\$22.20	\$0.6920	\$0.6920	\$0.6099	\$0,6099	\$719,615
	Discount*	-\$13.32	-\$0.4152	-\$0.4152	-\$0.3660	-\$0.3660	
	Total Residential Heating, Low Income	\$8.88	\$0.2768	\$0.2768	\$0.2440	\$0.2440	
R-6	Residential, Non-Heating	\$22.20	\$0.6470	\$0.6470	\$0.6470	\$0.6470	\$524,246
G-40	Low Annual, High Winter Use	\$75 09	\$0.1865	\$0,1865	\$0,1865	\$0,1865	\$6,166,245
G-50	Low Annual, Low Winter Use	\$75.09	\$0.1865	\$0.1865	\$0.1865	\$0.1865	\$1,042,391
G-41	Medium Annual, High Winter Use	\$222.64	\$0.2425		\$0.1895		\$4,896,329
G-51	Medium Annual, Low Winter Use	\$222.64	\$0.1712	\$0.1399	\$0.1337	\$0.1087	\$1,341,484
G-42	High Annual, High Winter Use	\$1,335.81	\$0,1984		\$0.1206		\$1,808,873
G-52	High Annual, Low Winter Use	\$1,335.81	\$0.1720		\$0.0792		\$2,713,430
Total							\$36,496,241

* Revenues associated with the low income discounts are reconciled and recovererd in the Residential Low Income Assistance and Regulatory Assessment Clause (RLIARA). Discounts are based on the same discounts as in current permanent distribution rates.

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DG 17-070 NORTHERN UTILITIES, INC. - NEW HAMPSHIRE DIVISION Typical Residential Heating Bill - 754 therms/year Impact of May 1, 2019 Delivory Rate Change

1 Delivery Rates (Effective 5/1/19) 2 Typical Usage thems (weighed by uservea	ther normalized)	Nov 58	Oec 95	Jan 135	Feb 138	Mar 213	Apr 83	Winder 616	May 45	June 28	July 18	August 14	Sept 15	October 18	Summer 138	Annual 754
3 4 Customer Charge units @ 5 First 50 units @	5 22 20 \$3 6920	\$22 20 \$34 60	\$22 20 \$34 60	\$22 20 \$34 60	\$22 20 \$34 60	\$22 20 \$34 60	\$22 20 \$34 60									
6 Over 50 units @	50 0920	SA 15	\$31 14	358 82	\$60 90	\$42 21	\$22 54	\$220 07								
7 COG 1	52 8271	546 32	107.07					\$48 32						1		
8 COG 2 9 COG 3	\$0 6953 \$0 6618		\$85 05	5118 34			- 1	\$85 05 \$116 34								
10 COG 4	50 66 16			3110.34	\$118 93		1	\$118 93								
11 COG 5	\$0 7650				\$110 Z2	\$84 92		\$84 92							8	
12 COG 6	\$= 7650					1990 - 1990 -	\$63 50	\$83 50								
13 LDAC	SC 0891	\$3 67	\$6 56	\$9.33	\$9 54	\$7 67	\$5.74	\$42 70								
14																
15 Customer Charge units @	5 22 20								\$ 22.20	\$22.20	\$22 20		\$ 22.20	\$72 20	\$133.20	
16 First 50 units @	\$0 6099								\$27 45	\$17 08	\$976	\$8 54	\$9 15	\$10 98	\$82 95	
17 Over 50 units @ 20 CDG 1	\$0 6099 \$0 3070								\$0 00 \$16 52	\$0 00	\$0.00	\$0.00	\$0.00	\$0.00	\$0 00 \$10 52	
21 CDG 2	\$0 3870							1	910 34	\$10.28					\$10 28	
22 COG 3	\$0 3870									010 20	\$5 87			- 1	\$5 87	
23 COG 4	\$0 3670						1					\$5.14			\$5 14	
24 COG 5	\$0 3670												35 51	I	\$5 51	
25 COG 8	\$0 3670													58 81	\$6 61	
26															1.1	
27 LDAC	\$ 0.0875					11-12-12			\$3.04	\$1.89	\$1.D8	\$0.95	\$101	\$1.22	59.38	
28 29	TOTAL	\$111 14	\$179.56	\$241.29	\$246.18	\$191 60	\$148.86	\$1,118.61	\$89 20	\$51 44	\$38 91	\$36 62	\$37 87	\$41.00	8275 24	\$1 393 84
36 Prior Rates		Nov	Dec	Jan	Feb	Mar	Apr	Winter	Мау	June	July	August	Sept	October	Summer	LeunnA
37 Typical Usage, therms (weighed by usalwes	ther normalized)	56	95	135	130	111	63	015	45	28	10	14	15	18	136	754
38																
39 Customer Charge units @	\$ 2136	\$21 36	\$21 36	\$21 36	\$21 38	\$21.38	\$21 36	\$128.16						i		
40 First 50 units @	\$0 6660	\$33 30	\$33 30	\$33.30	\$33 30	\$33 30	\$33 30	\$ 199 80						1		
41 Diver 50 units @	\$0 6660	\$33 30 54 00			\$33 30 \$58 81	\$33 30 \$40 63	\$33 30 \$21 98	\$211 79								
41 Over 50 units @ 42 COG 1	\$0 6660 \$0 8271	\$33 30	\$33 30 \$29 97	\$33.30				5211 79 540 32								
41 Diver 50 units @ 42 COG 1 43 COG 2	\$0 6660 \$0 8271 \$0 8953	\$33 30 54 00	\$33 30	\$33 30 \$50 61				\$211 79 \$40 32 \$85 05								
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3	\$0 6660 \$0 8271 \$0 8953 \$0 6618	\$33 30 54 00	\$33 30 \$29 97	\$33.30	558 81			\$211 79 \$40 32 \$85 05 \$116 34								
41 Diver 50 units @ 42 COG 1 43 COG 2	\$0 6660 \$0 8271 \$0 8953	\$33 30 54 00	\$33 30 \$29 97	\$33 30 \$50 61				\$211 79 \$40 32 \$85 05								
41 Dver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 48 CDG 5 47 CDG 6	\$0 6680 \$0 8271 \$0 8953 \$0 8618 \$0 8618	\$33 30 54 00	\$33 30 \$29 97	\$33 30 \$50 61	558 81	540 63		\$21179 \$4032 \$8505 \$11634 \$11893								
41 Dver 50 units 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 45 CDG 4 46 CDG 5 47 CDG 6 47 CDG 6	\$0 6660 \$0 8271 \$0 8953 \$4 6618 \$0 6618 \$0 6618 \$0 7650 \$0 7650	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350								
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 46 CDG 5 47 CDG 6 48 CDG 6 48 LDAC	\$0 6660 \$0 8271 \$0 8953 \$0 8618 \$0 6618 \$0 7650	\$33 30 54 00	\$33 30 \$29 97	\$33 30 \$50 61	558 81	540 63	521 90	\$211 79 \$40 32 \$85 05 \$116 34 \$118 93 \$84 92								
41 Diver 50 units @ 42 COG 1 43 COG 2 44 COG 3 45 COG 4 46 COG 5 47 COG 6 47 COG 6 49 LDAC 50	\$0 6660 \$0 8271 \$0 8953 \$0 8618 \$0 8618 \$0 8618 \$0 7650 \$0 7650 \$ 0 0691	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350								
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 COG 3 45 COG 4 46 COG 5 47 COG 6 47 COG 6 49 LDAC 50 51 Customer Charge units @	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 6618 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 36	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$21.36	\$21.56	521 36	\$21.36	\$21.36	\$21 36 510 57	\$128 15	
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 46 CDG 6 47 CDG 8 48 LDAC 50 LDAC 51 Customer Change units @ 52 Frail 50	\$0 6660 \$0 8271 \$0 8953 \$0 6616 \$0 6616 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 36 \$0 5670	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42	\$16 44	\$9.39	\$8 22	\$6.81	\$10 57	\$79 83	
41 Diver 50 units @ 42 COG 1 43 COG 2 44 COG 3 45 COG 6 46 COG 6 47 COG 6 48 LDAC 50 LDAC 51 Customer Charge units @ 52 Final 50 units @	\$0 6660 \$0 8271 \$0 8953 \$0 8618 \$0 8618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$0 5870 \$0 5870	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42 \$0 00						\$79 83 \$0 00	
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 46 CDG 6 47 CDG 8 48 LDAC 50 LDAC 51 Customer Change units @ 52 Frail 50	\$0 6660 \$0 8271 \$0 8953 \$0 6616 \$0 6616 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 36 \$0 5670	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42	\$16 44	\$9.39	\$8 22	\$6.81	\$10 57	\$79 83	
41 Dver 50 units @ 42 COG 1 43 COG 2 44 COG 3 45 COG 4 46 COG 5 47 COG 6 48 COG 6 49 LDAC 50 LDAC 51 Customer Charge 52 First 50 53 Over 50 54 COG 1	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$0 0691 \$ 0 0691 \$ 21 36 \$0 5870 \$0 5870 \$0 5875	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42 \$0 00	\$16 44 \$0 00	\$9.39	58 22 50 00	\$6.81	\$10 57	\$79 83 \$0 00 \$17 89	
41 Dver 50 units @ 42 COG 1 43 COG 2 44 COG 3 45 COG 6 46 COG 6 47 COG 6 48 LDAC 50 LDAC 51 Customer Charge units @ 52 Frait 50 units @ 53 Over 50 units @ 54 COG 1 SS 55 COG 2 56 56 COG 3 57	\$0 6660 \$0 8271 \$0 8953 \$0 8618 \$0 8618 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 21 36 \$0 5670 \$0 5670 \$0 5670 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42 \$0 00	\$16 44 \$0 00	\$9 39 \$0 00	\$8 22	\$6 81 \$0 00	\$10 57	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57	
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 46 CDG 6 47 CDG 6 48 CDG 6 49 LDAC 50 S2 First 51 Customer Charge units @ 52 First 50 units @ 53 Over 50 units @ 54 COG 1 55 COG 3 57 COG 4 58 COG 5	\$0 6660 \$0 8271 \$0 8953 \$0 0618 \$0 7650 \$0 7650 \$0 7650 \$0 0691 \$ 21 36 \$0 5670 \$0 5670 \$0 5870 \$0 5870 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42 \$0 00	\$16 44 \$0 00	\$9 39 \$0 00	58 22 50 00	\$6.81	\$10.57 \$0.00	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98	
41 Diver 50 units @ 12 COG 1 12 COG 2 12 COG 2 14 COG 2 14 COG 2 15 COG 4 16 COG 6 17 COG 6 18 LDAC 50 LDAC 51 Customer Charge 52 First 50 units @ 53 Over 50 units @ 54 COG 1 55 55 COG 2 56 COG 3 57 COG 4 58 COG 5 59 COG 6	\$0 6660 \$0 8271 \$0 8953 \$0 8618 \$0 8618 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 7650 \$0 21 36 \$0 5670 \$0 5670 \$0 5670 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42 \$0 00	\$16 44 \$0 00	\$9 39 \$0 00	58 22 50 00	\$6 81 \$0 00	\$10 57	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57	
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 46 CDG 6 47 CDG 6 48 CDG 6 49 LDAC 50 S2 First 51 Customer Charge units @ 52 First 50 units @ 53 Over 50 units @ 54 COG 1 55 COG 3 57 COG 4 58 COG 5	\$0 6660 \$0 8271 \$0 8953 \$0 0618 \$0 7650 \$0 7650 \$0 7650 \$0 0691 \$ 21 36 \$0 5670 \$0 5670 \$0 5870 \$0 5870 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$25 42 \$0 00	\$16 44 \$0 00	\$9 39 \$0 00	58 22 50 00	\$6 81 \$0 00	\$10.57 \$0.00	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98	
41 Diver 50 units @ 12 COG 1 13 COG 2 44 COG 3 45 COG 6 46 COG 6 47 COG 6 48 COG 7 50 LDAC 50 LDAC 50 S0 units @ 51 Customer Charge units @ 52 Firs1 50 units @ 53 Over 50 units @ 54 COG 1 55 COG 2 56 COG 3 57 COG 4 58 COG 5 59 COG 6 50 COG 6	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$ 0 0691 \$ 21 30 \$ 0 5870 \$0 3875 \$0 3975 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32	\$33 30 \$29 97 \$85 05	\$33 30 \$50 81 \$116 34	\$50 01 \$118 93	540 63 584 92	521 90 563 50	\$21179 \$4032 \$8505 \$11634 \$11893 \$8492 \$6350	\$28 42 \$0 00 \$17 69	\$16 44 \$0 00 \$11 13	\$9 39 50 00 \$5 36	\$8 22 \$0 00 \$5 57	\$8 81 \$0 00 \$5 96	\$10 57 \$0 D0 \$7 16	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98 \$7 16	\$1,387.29
41 Diver 50 units @ 12 COG 1 43 COG 2 44 COG 3 45 COG 6 46 COG 6 47 COG 6 48 LDAC 50 LDAC 51 Customer Charge 52 First 50 units @ 53 Customer Charge 54 COG 1 55 COG 2 54 COG 3 57 COG 3 57 COG 4 58 COG 5 59 COG 6 50 COG 6 51 LDAC	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$ 0 0691 \$ 21 30 \$ 0 5870 \$0 3875 \$0 3975 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 54 00 546 32	\$33 30 \$29 97 \$85 05 \$8 56 \$8 56 \$8 56	\$32 30 \$50 81 \$116 34 \$9 33	\$50 01 \$118 03 \$9 54 \$2241 73	\$40 d3 \$84 82 \$7 67 \$167 87	\$21 90 \$63 50 \$5 74 \$145 87	\$211 79 \$40 32 \$45 05 \$116 34 \$118 93 \$45 92 \$63 50 \$42 70 \$42 70 \$42 70	\$25 42 \$0 00 \$17 69 \$2 59	\$18 44 \$0 00 \$11 13 \$1.61 \$50 54	\$9 39 \$0 00 \$6 38 \$0 92	\$8 22 \$0 00 \$5 57 \$0 81	\$6 81 \$0 00 \$5.96 \$0 66	\$10.57 \$0.00 \$7.18 \$1.04	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98 \$7 16 \$7.83 \$269 89	
41 Diver 50 units @ 42 CDG 1 43 CDG 2 44 CDG 5 45 CDG 6 48 CDG 5 47 CDG 6 48 CDG 5 49 LDAC 50 S1 Customer Charge units @ 51 Customer Charge units @ S2 First 52 First 50 units @ 53 Over 50 units @ 54 COG 1 55 COG 2 56 COG 3 57 COG 4 58 COG 5 59 COG 8 60 E 51 LDAC 52 TOTAL 63 Total Bill Impact - May 1 Rate Increase	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$ 0 0691 \$ 21 30 \$ 0 5870 \$0 3875 \$0 3975 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32 \$3 67 \$3 67 \$108 84 \$2 29	\$33 30 \$29 97 \$85 05 \$8 56 \$8 56 \$176 25 \$3 31	\$32.30 \$50.81 \$116.34 \$9.33 \$9.33 \$236.94 \$4.35	550 01 5118 93 59 54 52241 73 54 43	\$40 d3 \$84 82 \$7.67 \$167 87 \$373	\$21 90 \$63 50 \$5 74 \$145 87 \$3 00	\$21179 \$4032 \$4505 \$11634 \$11634 \$492 \$492 \$492 \$4070 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270	\$25 42 \$0 00 \$17 69 \$2 59 \$88 25 \$0 94	\$16 44 \$0 00 \$11 13 \$1.61 \$50 54 \$0 90	\$9 39 \$0 00 \$6 38 \$0 92 \$38 03 \$0 88	\$8 22 \$0 00 \$5 57 <u>\$0 81</u> \$35 95 \$0 87	\$8 81 \$0 00 \$5 96 \$0 86 \$38 99 \$0 87	\$10 57 \$0 D0 \$7 10 \$1 04 \$40 12 \$0 88	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98 \$7 16 \$7.83 \$269 89 \$5.35	\$28.45
41 Drer 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 48 CDG 5 47 CDG 6 48 CDG 5 49 LDAC 50 S0 51 Customer Charge units @ S1 Customer Charge for the second sec	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$ 0 0691 \$ 21 30 \$ 0 5870 \$0 3875 \$0 3975 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32 \$3 67 \$3 67 \$3 67 \$3 67 \$3 67 \$3 67 \$3 67	\$33 30 \$29 97 \$85 05 \$8 56 \$8 56 \$176 25 \$3 31 1.88%	\$32.30 \$50.81 \$116.34 \$9.33 \$9.33 \$236.94 \$4.35 1.84%	550 01 5118 93 59 54 5241 73 54 43 183%	\$40 dJ \$84 B2 \$7 d7 \$167 B7 \$373 1.96%	\$21 90 \$63 50 \$5 74 \$145 87 \$3 00 2.0%	\$21179 \$4032 \$4505 \$11634 \$11634 \$492 \$4350 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270	\$25 42 \$0 00 \$17 69 \$2 59 \$88 25 \$0 94 1.35%	\$16 44 \$0 00 \$11 13 \$1.61 \$50 54 \$0 90 1.78%	\$9 39 \$0 00 \$6 38 \$0 92 \$38 03 \$0 88 2.31%	\$8 22 \$0 00 \$5 57 \$0 81 \$35 95 \$0 87 2.43%	\$8 81 \$0 00 \$5.96 \$0 66 \$36 99 \$0 87 2.38%	\$10 57 \$0 00 \$7 18 \$1 04 \$40 12 \$0 88 2 20%	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98 \$7 16 \$7.83 \$269 89 \$5.35 1.98%	\$28.45 3.93%
41 Diver 50 units @ 42 COG 1 43 COG 2 44 COG 3 45 COG 4 46 COG 6 47 COG 8 48 COG 6 49 LDAC 50 S0 51 Customer Charge units @ 52 First 50 units @ 53 Over 50 units @ 54 COG 1 55 COG 2 56 COG 3 57 COG 4 58 COG 6 50 LDAC 51 LDAC 52 TOTAL 53 Total Bill Impact - May 1 Rate Increase #ercentage Change 1 55 Base Rate Impact	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$ 0 0691 \$ 21 30 \$ 0 5870 \$0 3875 \$0 3975 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32 \$3 67 \$3 67 \$108 84 \$2 29 2 11% \$2 29	\$33 30 \$29 97 \$85 05 \$8 50 \$8 50 \$8 50 \$8 50 \$3 31 1 88% \$3 31	\$32.30 \$50.81 \$116.34 \$9.33 \$9.33 \$236.94 \$4.35 1.84% \$4.35	550 01 5118 93 59 54 5241 73 54 43 54 43	\$40 d3 \$84 92 \$7.67 \$167 87 \$3.73 1.96% \$3.73	\$21 90 \$63 50 \$5 74 \$145 87 \$3 00 2.03% \$3 00	\$21179 \$4032 \$4505 \$11634 \$1893 \$4570 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270	\$25 42 \$0 00 \$17 69 \$2 59 \$88 25 \$0 94 1 38% \$0 00	\$16 44 \$0 00 \$11 13 \$1.61 \$50 54 \$0 90 <u>1.78%</u> \$0 00	\$9 39 50 00 \$8 38 \$0 92 \$38 03 \$0 88 2.31% \$0 00	\$8 22 \$0 00 \$5 57 \$0 81 \$35 95 \$0 87 2.43% \$0 00	\$8 81 \$0 00 \$5 96 \$0 86 \$36 99 \$0 87 2.36% \$0 00	\$10 57 \$0 00 \$7 18 \$1 04 \$40 12 \$0 88 2 20% \$0 00	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98 \$7 16 \$7.83 \$269 89 \$2.35 1.98% \$0 00	\$26.45 3.93% \$0.00
41 Drer 50 units @ 42 CDG 1 43 CDG 2 44 CDG 3 45 CDG 4 48 CDG 5 47 CDG 6 48 CDG 5 49 LDAC 50 S0 51 Customer Charge units @ S1 Customer Charge for the second sec	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$ 0 0691 \$ 21 30 \$ 0 5870 \$0 3875 \$0 3975 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32 \$3 67 \$3 67 \$3 67 \$3 67 \$3 67 \$3 67 \$3 67	\$33 30 \$29 97 \$85 05 \$8 56 \$8 56 \$176 25 \$3 31 1.88%	\$32.30 \$50.81 \$116.34 \$9.33 \$9.33 \$236.94 \$4.35 1.84%	550 01 5118 93 59 54 5241 73 54 43 183%	\$40 dJ \$84 B2 \$7 d7 \$167 B7 \$373 1.96%	\$21 90 \$63 50 \$5 74 \$145 87 \$3 00 2.0%	\$21179 \$4032 \$4505 \$11634 \$11634 \$492 \$4350 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270	\$25 42 \$0 00 \$17 69 \$2 59 \$88 25 \$0 94 1.35%	\$16 44 \$0 00 \$11 13 \$1.61 \$50 54 \$0 90 1.78%	\$9 39 \$0 00 \$6 38 \$0 92 \$38 03 \$0 88 2.31%	\$8 22 \$0 00 \$5 57 \$0 81 \$35 95 \$0 87 2.43%	\$8 81 \$0 00 \$5.96 \$0 66 \$36 99 \$0 87 2.38%	\$10 57 \$0 00 \$7 18 \$1 04 \$40 12 \$0 88 2 20%	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98 \$7 16 \$7.83 \$269 89 \$5.35 1.98%	\$26.45 3.93%
41 Diver 50 units @ 42 COG 1 43 COG 2 44 COG 3 45 COG 4 46 COG 6 47 COG 8 48 COG 6 49 LDAC 50 S0 51 Customer Charge units @ 52 First 50 units @ 53 Over 50 units @ 54 COG 1 55 COG 2 56 COG 3 57 COG 4 58 COG 6 50 LDAC 51 LDAC 52 TOTAL 53 Total Bill Impact - May 1 Rate Increase #ercentage Change 1 55 Base Rate Impact	\$0 6660 \$0 8271 \$0 8953 \$0 6618 \$0 7650 \$0 7650 \$0 7650 \$ 0 0691 \$ 21 30 \$ 0 0691 \$ 21 30 \$ 0 5870 \$0 3875 \$0 3975 \$0 3975 \$0 3975 \$0 3975 \$0 3975	\$33 30 \$4 00 \$46 32 \$3 67 \$3 67 \$108 84 \$2 29 2 11% \$2 29	\$33 30 \$29 97 \$85 05 \$8 50 \$8 50 \$8 50 \$8 50 \$3 31 1 88% \$3 31	\$32.30 \$50.81 \$116.34 \$9.33 \$9.33 \$236.94 \$4.35 1.84% \$4.35	550 01 5118 93 59 54 5241 73 54 43 54 43	\$40 d3 \$84 92 \$7.67 \$167 87 \$3.73 1.96% \$3.73	\$21 90 \$63 50 \$5 74 \$145 87 \$3 00 2.03% \$3 00	\$21179 \$4032 \$4505 \$11634 \$1893 \$4570 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270 \$4270	\$25 42 \$0 00 \$17 69 \$2 59 \$88 25 \$0 94 1 38% \$0 00	\$16 44 \$0 00 \$11 13 \$1.61 \$50 54 \$0 90 <u>1.78%</u> \$0 00	\$9 39 50 00 \$8 38 \$0 92 \$38 03 \$0 88 2.31% \$0 00	\$8 22 \$0 00 \$5 57 \$0 81 \$35 95 \$0 87 2.43% \$0 00	\$8 81 \$0 00 \$5 96 \$0 86 \$36 99 \$0 87 2.36% \$0 00	\$10 57 \$0 00 \$7 18 \$1 04 \$40 12 \$0 88 2 20% \$0 00	\$79 83 \$0 00 \$17 89 \$11 13 \$6 30 \$5 57 \$5 98 \$7 16 \$7.83 \$269 89 \$2.35 1.98% \$0 00	\$28.45 3 93% \$0 00

Docket #: 17-070

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