

February 12, 2024

Daniel Goldner, Chairman New Hampshire Public Utilities Commission 21 S. Fruit St., Suite 10 Concord, New Hampshire 03301

RE: <u>Docket No. DG 23-086, Revenue Decoupling Adjustment Factor</u> <u>Rebuttal Testimony of Northern Utilities, Inc.</u>

Chairman Goldner,

In connection with the above-referenced matter, please find enclosed the Rebuttal Testimony of Northern Utilities, Inc. ("Unitil" or the "Company"). The Company's Rebuttal Testimony responds to the Technical Statements submitted by the New Hampshire Department of Energy (the "Department"). The Department's technical statements depart materially from the Settlement Agreement approved by the Commission in DG 21-104.

In its initial filing in DG 21-104, Unitil proposed a revenue decoupling mechanism that implements a "revenue per customer" ("RPC") methodology. The Company, the Department, and the Office of the Public Advocate (collectively, the "Settling Parties") negotiated and entered into a Settlement Agreement in which the Settling Parties agreed that Unitil would implement a revenue decoupling mechanism "substantially as proposed" in the Company's initial filing. The Settlement Agreement unambiguously sets forth the agreement of the Settling Parties that Unitil would implement an RPC revenue decoupling model that reconciles monthly actual and authorized RPC by rate class. The method for calculating the Revenue Decoupling Adjustment ("RDA") and Revenue Decoupling Adjustment Factor ("RDAF") is set forth in detail in the Settlement Agreement and, again, unambiguously explained that the Company would use an RPC model and described in detail how the model will work. DG 21-104, <u>Northern Utilities, Inc.</u>, Order No. 26,650 at 4-6 (July 20, 2022).

On September 15, 2023, Unitil filed, pursuant to Order No. 26,650 and NHPUC No. 12 – Gas First Revised Pages 163-168, its Petition for approval of the Company's

Patrick Taylor Chief Regulatory Counsel taylorp@unitil.com 6 Liberty Lane West Hampton, NH 03842

T 603.773.6544 www.unitil.com



proposed RDAF for effect November 1, 2023. The Settling Parties agreed on a process in which the Company would make an annual RDAF filing on September 15 for rates effective November 1. The Company's RDA and RDAF are calculated in the manner set forth in the Settlement Agreement, Order 26,650, and the Company's tariff. Despite the fact that the Company submitted a timely filing consistent with the terms of the DG 21-104 Settlement Agreement and the applicable Commission-approved tariff, Unitil assented to the Department of Energy's October 10, 2023 request for additional time to conduct discovery on the Company's filing.

On December 8, 2023, the Department submitted a technical statement to the Commission. In that technical statement, the Department declined to offer a position on the Company's filing, stating instead that its "current position and recommendation is that the Commission review and continue its conditional approval of Northern's capped RDAF claim . . . subject to: the pending discoveries from Northern; and future updated filing to be submitted by the Department upon review of . . . pending information." On December 22, 2023, Unitil sought an opportunity to submit rebuttal testimony at a time after the Department provided a supplemental technical statement. On January 5, 2024, the Commission approved an amended procedural schedule providing the Department an opportunity to submit a supplemental technical statement by January 25, 2024 and the Company the opportunity to provide rebuttal by February 12, 2024.

On January 25, 2024 the Department submitted a supplemental technical statement that is extensively critical of the very RPC method to which the Department agreed in the Settlement Agreement and that the Commission approved in Order 26,650. Though the Department does not dispute that Unitil calculated the RDA and RDAF correctly and as prescribed in the Settlement Agreement, Order 26,650, and the Company's Tariff, it nevertheless attempts to dispute and litigate the legitimacy of the RPC method and recommends a disallowance of approximately \$1.15 million based on an alternative decoupling approach to which the Settling Parties did not agree.

The Department conducted extensive discovery in DG 21-104, submitted testimony, negotiated the Settlement Agreement (as well as a settlement in DE 21-030 with an identical RPC revenue decoupling mechanism), and had the benefit of a hearing before the Commission. To the extent that the Department was critical of the RPC method, it had ample opportunity to raise those concerns in DG 21-104. Instead, the Department agreed to implement the RPC revenue decoupling method substantially as proposed in

Patrick Taylor Chief Regulatory Counsel taylorp@unitil.com 6 Liberty Lane West Hampton, NH 03842

T 603.773.6544 www.unitil.com



Unitil's initial filing. It is not appropriate to now disavow the RPC method and recommend a disallowance that is entirely inconsistent with the DG 21-104 Settlement Agreement, Order 26,650, and the Company's tariff. To allow this departure from the approved Settlement Agreement would be contrary to the well-established Commission policy encouraging parties "to settle disagreements through negotiation and compromise because it is an opportunity for creative problem solving, allows parties to reach a result in line with their expectations." Order 26,650 at 12. The Department's supplemental technical statement is not in line with the settled expectations of the parties to DG 21-104.

Even assuming, for the sake of argument, that the Commission were to consider the Department's arguments notwithstanding their inconsistency with Order 26,650, they are not appropriate for consideration in this docket. The Settlement Agreement, Order 26,650, and the Company's Tariff set forth a method for calculating the RDA and RDAF; to the extent the RDA exceeds a cap of 4.25 percent of approved distribution revenues for each group over the relevant measurement periods for over- and under-recoveries, the amount over or under 4.25 percent shall be deferred, with carrying costs accrued monthly at the Prime Rate. Order 26,650 at 14. The specific treatment of any remaining carried balances is to be addressed in the Company's next rate case. Id. at 6. To the extent that the Department wishes to revisit the RPC method, it may do so in the Company's next distribution rate case.

Thank you for your assistance with this matter.

Regards,

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Patrick H. Taylor

Patrick Taylor Chief Regulatory Counsel taylorp@unitil.com 6 Liberty Lane West Hampton, NH 03842

T 603.773.6544 www.unitil.com

NORTHERN UTILITIES, INC.

REBUTTAL TESTIMONY

OF

S. ELENA DEMERIS AND DANIEL T. NAWAZELSKI

PETITION FOR APPROVAL OF REVENUE DECOUPLING ADJUSTMENT FACTOR

New Hampshire Public Utilities Commission Docket No. DG 23-086

1 I. INTRODUCTION

- 2 a. S. Elena Demeris
- 3 Q. Please state your name and business address.
- 4 A. My name is S. Elena Demeris. My business address is 6 Liberty Lane West, Hampton,
 5 New Hampshire.
- 6 Q. For whom do you work and in what capacity?
- 7 A. I am a Senior Regulatory Analyst for Unitil Service Corp. ("Unitil Service"), a subsidiary
- 8 of Unitil Corporation that provides managerial, financial, regulatory and engineering
- 9 services to Unitil Corporation's principal subsidiaries Fitchburg Gas and Electric Light
- 10 Company, d/b/a Unitil ("FG&E"), Granite State Gas Transmission, Inc. ("Granite"),
- 11 Northern Utilities, Inc. d/b/a Unitil ("Northern"), and Unitil Energy Systems, Inc.
- 12 ("UES") (together "Unitil"). In this capacity I am responsible for preparing regulatory
- 13 filings, pricing research, regulatory analysis, tariff administration, revenue requirements
- 14 calculations, customer research, and other analytical services.
- 15 Q. Please summarize your professional and educational background.
- 16 A. In 1996, I graduated from the University of Massachusetts Lowell with a Bachelor's of
- 17 Science Degree in Civil Engineering. In 2005, I earned a Master's Degree in Business
- 18 Administration and in 2006 a Master's Degree in Finance from Southern New Hampshire
- 19 University. I joined Unitil in July 1998 in the regulatory/rate department.
- 20
- 21
- 22
- 23

1 b. Daniel T. Nawazelski

2 Q. Please state your names and business address.

A. My name is Daniel T. Nawazelski, and my business address is 6 Liberty Lane West,
Hampton, New Hampshire 03842.

5 Q. Mr. Nawazelski, what is your position and what are your responsibilities?

- 6 A. I am the Manager of Revenue Requirements for Unitil Service Corp. ("Unitil Service") a
- 7 subsidiary of Unitil Corporation that provides managerial, financial, regulatory and
- 8 engineering services to Unitil Corporation's utility subsidiaries including Northern
- 9 Utilities, Inc., which has operating divisions in New Hampshire and Maine (the New
- 10 Hampshire operating division is hereinafter referred to as "Northern" or the "Company").
- 11 In this capacity I am responsible for the preparation and presentation of distribution rate
- 12 cases and in support of other various regulatory proceedings.

13 Q. Mr. Nawazelski, please describe your business and educational background.

- 14 A. I began working for Unitil Service in June of 2012 as an Associate Financial Analyst and
- 15 have held various positions with increasing responsibilities leading to my current role of
- 16 Manager of Revenue Requirements. I earned a Bachelor of Science degree in Business
- 17 with a concentration in Finance and Operations Management from the University of
- 18 Massachusetts, Amherst in May of 2012. I am also currently pursuing my Masters in
- 19 Business Administration at the University of New Hampshire.
- 20
- 21

DG 23-086 HEARING EXHIBIT 4 Docket No. DG 23 - 086 Rebuttal Testimony of S. Elena Demeris and Daniel T. Nawazelski Petition for Approval of Revenue Decoupling Adjustment Factor Page 4 of 13

- 1 Q. What is the purpose of your rebuttal testimony?
- A. The purpose of this rebuttal testimony is to address the Department of Energy's
 ("Department") comments on the Company's revenue decoupling filing as stated in the
 Department's technical statements. The Department's comments include several
 observations regarding the Company's filing that are inaccurate, are entirely inconsistent
 with the Settlement Agreement that the Department entered into in DG 21-104, and
 incorrectly and inappropriately seek to cap earnings at the Company's revenue test year
 amount.
- 9 Q. Please describe the Revenue Per Customer revenue decoupling model approved by
 10 the Commission in DG 21-104.
- 11 A. In DG 21-104, Unitil, the Department of Energy, and the Office of the Consumer Advocate (collectively, the "Settling Parties") entered into a negotiated settlement 12 13 agreement in which the Settling Parties agreed that Unitil would implement a revenue 14 decoupling mechanism "substantially as proposed in the initial prefiled testimony of 15 Unitil witness Timothy Lyons," subject to certain adjustments specified in the Settlement 16 Agreement. Specifically, the Settling Parties agreed that Unitil would implement a 17 Revenue Per Customer ("RPC") revenue decoupling model that reconciles monthly 18 actual and authorized RPC by rate class. The relevant portions of the Settlement 19 Agreement describing the agreed-upon revenue decoupling model, including Attachment 20 3 to the Settlement Agreement setting forth the monthly RPC targets, are provided as 21 Attachment 1 to this testimony. The initial prefiled testimony of Mr. Lyons and 22 accompanying schedules were included in the DG 21-104 evidentiary record as a part of 23 Hearing Exhibits 3 (Redacted) and 14 (Confidential) (Bates 001143 – 001181).

1	The Commission approved the Settlement Agreement, including the RPC revenue
2	decoupling model, in DG 21-104, Northern Utilities, Inc., Order Approving Settlement
3	Agreement at 4-6, 13-14, 21 (Order 26,650, July 20, 2022). In its Order, the Commission
4	explained the RPC model:
5	The Settlement provides that Northern shall implement the RDM as follows.
6	First, the Company shall record monthly variances between actual and
7	authorized RPC for each rate class. Rather than record and reconcile the
8	variances on an annual basis, the variances would be recorded and reconciled
9	separately, for the Peak (November through April) and Off-Peak (May
10	through October) periods (the Measurement Periods). The monthly variances
11	in the applicable Measurement Period would then be totaled by class.
12	
13	The total variances by customer class group and carrying costs shall form the
14	basis for the revenue decoupling adjustment (RDA) by group and the
15	calculation of revenue decoupling adjustment factors (RDAF) (surcharges or
16	credits). A Customer Class Group comprises the rate schedules combined for
I7/	purposes of calculating the RDA amounts. The four Customer Class Groups
18	shall be: (1) Residential Heating (R-5 and R-10); (2) Residential Non-Heating
19	(R-6); (3) C&I High Load Factor (G-50, G-51, G-52); and (4) C&I Low Load
20	Factor (G-40, G-41, G-42).
21	Second the Company shall annually file with the Commission the annioghle
22	PDAE 45 days in advance of Nevember 1. The filing will provide the
23 24	represed PDAE for the Peak period, for affect Nevember 1, and subsequent
2 4 25	Off-Peak period for effect May 1. The RDA for the Peak period shall reflect
25	actual data for the entire six-month period while the RDA for the Off-Peak
20 27	neriod shall reflect actual data for the first three months of the period and
27 28	estimated data for the remaining three months. The filing shall include the
20	RDA by group including prior period reconciliation and calculation of the
30	RDAF. Pursuant to this Settlement Agreement, rather than reconcile the RDA
31	on an allocated basis as initially proposed by Northern, the Company shall
32	reconcile the RDA using the four customer class groups defined above. The
33	RDAF shall be calculated as a dollar-per-therm charge or credit based on the
34	RDA for each group divided by the projected therm sales for each group over
35	the prospective six-month period November through April and May through
36	October (the RDM Adjustment Period). The RDAF shall be charged or
37	credited to customer bills during the RDM Adjustment Period.
38	
39	Northern shall implement an RDA cap of 4.25 percent of approved
40	distribution revenues for each group over the relevant Measurement Period(s)
41	for over- and under-recoveries. To the extent that the RDA for a group,

1 2 3 4 5 6 7 8 9		 including prior period reconciliation exceeds 4.25 percent of distribution revenue, the amount over or under 4.25 percent shall be deferred, with carrying costs accrued monthly at the Prime Rate with said Prime Rate to be fixed on a quarterly basis and to be established as reported in <i>The Wall Street Journal</i> on the first business day of the month preceding the calendar quarter. If more than one interest rate is reported, the average of the reported rates shall be used. Order 26,260 at 4-6. The Department similarly agreed to a substantively identical RPC
10		revenue decoupling method for Unitil Energy Systems, Inc. in DE 21-030, and the
11		Commission approved the settled-upon method without modification. DE 21-030, Unitil
12		Energy Systems, Inc., Hearing Exhibit 12 (Settlement Agreement and Attachments) at
13		Bates 000006-07; DE 21-030, Unitil Energy Systems, Inc., Order Approving Settlement
14		Agreement at 24-25, 32 (Order No. 26,623, May 3, 2022). We also note that a similar
15		RPC revenue decoupling mechanism has been in place for Northern's Massachusetts
16		affiliate, Fitchburg Gas and Electric Light Company, for over twelve years. See DPU 11-
17		02, Fitchburg Gas and Electric Light Company, Final Order at 114 – 127 (MA DPU
18		August 1, 2011).
19	Q.	Did the Company calculate the RDA and RDAF consistent with the Settlement
20		Agreement and the Commission's Order in DG 21-104?
21	A.	Yes. Pre-Filed Testimony of S. Elena Demeris and the accompanying attachments set
22		forth the calculation of the RDA and the RDAF, calculation of the RDAF (Page 1),
23		reconciliations by customer group and period, calculations supporting the development of
24		the monthly revenue variances by class group and period, the calculation of the revenue
25		cap, actual base revenue for the period, and forecasted revenues.

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1	Q.	The Settling Parties in DG 21-104 agreed that Northern would implement an RPC
2		decoupling model. Why did the Company propose an RPC approach in DG 21-104?
3	A.	As the Company explained in its initial filing in DG 21-104, the primary benefit of the
4		proposed RPC approach is the recognition of new customer revenues. The Company
5		expects to add new customers and incur incremental costs to serve new customers during
6		the term of the revenue decoupling mechanism. The incremental costs are related to
7		providing new customers with access to the distribution system and meeting their demand
8		requirements. Under the RPC approach, the Company retains the RPC associated with
9		serving new customers that is used to offset the costs associated with new customers.
10		
11		By comparison, under a "total revenue" approach to decoupling, the Company does not
12		retain incremental revenues to offset the incremental costs, creating an adverse financial
13		impact when adding new customers. The distinction between the RPC and total revenue
14		approaches was explained in the pre-filed Testimony of Timothy Lyons in DG 21-104.
15		The Company has provided this testimony as Attachment 2 for ease of reference. See
16		Page 12 of 22 for the clear explanation of the proposed type of Revenue Decoupling
17		Mechanism and the Company's reasoning for choosing that approach.
18	Q.	How would a "total revenue" approach to revenue decoupling be applied?
19	A.	Under the total revenue approach, the approved target revenue by rate class is set and
20		annually reconciles to that approved total revenue. A company does not retain
21		incremental revenues to offset the incremental costs, creating an adverse financial impact
22		when adding new customers under this revenue decoupling mechanism methodology.

1		Total revenue RDM's are oftentimes accompanied by capital trackers that provide timely
2		recovery on all (growth and non-growth) investments that help maintain the financial
3		health of the company.
4		The RPC and total revenue approaches are not interchangeable. When determining
5		whether to apply an RPC or total revenue approaches there are a multitude of things to
6		consider. The merits and considerations of both were contemplated by the Company
7		during the Company's base rate case proceeding in DG 21-104.
8	Q.	The Department of Energy appears to recommend a disallowance of \$1,145,894,
9		asserting that it is "additional" to the Company's "approved revenue requirement"
10		of \$47,673,687. Is the Department's position consistent with the Settlement
11		Agreement?
12	А.	No. The Department is effectively arguing that the Commission should disregard the
13		RPC approach to which the Settling Parties agreed, and the Commission approved, and
14		instead impose a "total revenue" approach. As explained above, the total revenue
15		approach is fundamentally inconsistent with the RPC approach, and the Department's
16		recommended disallowance is inconsistent with the express terms of the Settlement
17		Agreement and Order 26,650.
18	Q.	The Department offers "observations" that are critical of the RPC method at pages
19		8-10 of the Supplemental Technical Statement. Do you agree that the RPC
20		decoupling method creates "multiple misalignments"?
21	А.	No. As an initial matter, the RPC method was proposed in the Company's initial filing in
22		DG 21-104, supported by testimony with multiple schedules and an illustrative

1	calculation. The Company's proposal was subject to discovery, technical sessions, the
2	opportunity for testimony by Department and the OCA, and, ultimately, a negotiated
3	Settlement Agreement and a hearing before the Commission. The Company has
4	calculated its RDA and RDAF exactly in the manner set forth in the Settlement
5	Agreement and Order 26,650. Northern notes that the Department repeatedly
6	characterizes the output of this calculation as the Company's "ask" in this case; the
7	Company believes this is an inaccurate characterization, as the calculation was agreed to
8	by the Settling Parties and approved by the Commission, and the Company has stated the
9	objective outcome of the calculation. The Department has not asserted that the calculated
10	RDA, including the deferred amount over the cap, is inaccurate.
11	
12	Addressing the Department's "observations," the Company responds as follows:
12 13	Addressing the Department's "observations," the Company responds as follows: The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly,
12 13 14	Addressing the Department's "observations," the Company responds as follows: The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly, that the Company's Actual Customer Charge Revenue includes estimated components.
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12 13 14 15 16	Addressing the Department's "observations," the Company responds as follows: The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly, that the Company's Actual Customer Charge Revenue includes estimated components. This is not the case. Actual Customer Charge Revenue used in the RDAF filing, and as consistent with the presentation in DG 21-104, is based on actual customer charge
12 13 14 15 16 17	Addressing the Department's "observations," the Company responds as follows: The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly, that the Company's Actual Customer Charge Revenue includes estimated components. This is not the case. Actual Customer Charge Revenue used in the RDAF filing, and as consistent with the presentation in DG 21-104, is based on actual customer charge revenue from the Company's billing system and includes no estimated components.
12 13 14 15 16 17 18	Addressing the Department's "observations," the Company responds as follows:The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly,that the Company's Actual Customer Charge Revenue includes estimated components.This is not the case. Actual Customer Charge Revenue used in the RDAF filing, and asconsistent with the presentation in DG 21-104, is based on actual customer chargerevenue from the Company's billing system and includes no estimated components.The Company also addresses the Departments January 25, 2024 Technical Statement as
12 13 14 15 16 17 18 19	Addressing the Department's "observations," the Company responds as follows: The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly, that the Company's Actual Customer Charge Revenue includes estimated components. This is not the case. Actual Customer Charge Revenue used in the RDAF filing, and as consistent with the presentation in DG 21-104, is based on actual customer charge revenue from the Company's billing system and includes no estimated components. The Company also addresses the Departments January 25, 2024 Technical Statement as follows:
12 13 14 15 16 17 18 19 20	Addressing the Department's "observations," the Company responds as follows:The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly,that the Company's Actual Customer Charge Revenue includes estimated components.This is not the case. Actual Customer Charge Revenue used in the RDAF filing, and asconsistent with the presentation in DG 21-104, is based on actual customer chargerevenue from the Company's billing system and includes no estimated components.The Company also addresses the Departments January 25, 2024 Technical Statement asfollows: 3: "In DOE's initial technical statement, for a well-functioning RPC decoupling
12 13 14 15 16 17 18 19 20 21	Addressing the Department's "observations," the Company responds as follows:The Department's December 8, 2023 Technical Statement repeatedly stated, incorrectly,that the Company's Actual Customer Charge Revenue includes estimated components.This is not the case. Actual Customer Charge Revenue used in the RDAF filing, and asconsistent with the presentation in DG 21-104, is based on actual customer chargerevenue from the Company's billing system and includes no estimated components.The Company also addresses the Departments January 25, 2024 Technical Statement asfollows: 3: "In DOE's initial technical statement, for a well-functioning RPC decouplingstructure, the Department observed the importance of customer count methodology, the

1	response to DOE Set 3, it appears that the Company's current billing system is unable to
2	provide key information necessary to analyze the RDAF ask."
3	Response: As repeatedly explained by the Company throughout the discovery phases, the
4	Company's RDAF filing and decoupling structure was calculated entirely consistent with
5	the approved Settlement Agreement in DG 21-104. This consistency also applies to the
6	customer count methodology and accounting practices. The Company's current billing
7	system provides all of the necessary information to analyze and review the Company's
8	RDAF filing. The Department's perceived lack of key information pertains to analysis
9	that is entirely out of scope of the Company's approved revenue decoupling mechanism
10	and applicable tariff.
11	5.3: "As such, the underlying premise, and an inherent part of the ensuing Revenue
12	Decoupling Mechanism (RDM) was to correct the misalignment by adjusting the
13	Company's actual revenues to match its authorized revenue."
14	Response: The Department has correctly stated the underlying premise of revenue
15	decoupling, but declines to acknowledge the different methodologies of full decoupling
16	mechanisms, which as described in Attachment 2 can calculate variances based on the
17	basis of total revenues, or revenue per customer. As described throughout our rebuttal
18	testimony the Settling Parties unambiguously agreed to implement a revenue per
19	customer method, and the Commission unambiguously approved the revenue per
20	customer method.
21	5.4: "Northern's authorized revenue in DG 21-104 was \$47,673,687 As such, the

22 proposed RDM principles dictate that Northern should be allowed to collect up to the

1	approved authorized revenue amount \$47,673,687. Any additional revenue beyond the
2	authorized amount could unduly harm the other party, namely the ratepayers."
3	Response: The Department's characterization of the "RDM principles" and the purported
4	harm to ratepayers are not correct. First, the Department, the OCA, and the Commission
5	reviewed the RPC method – which the Company has followed precisely - and found it to
6	be just and reasonable. Second, as explained above, the RPC method is intended to
7	recognize new customer revenues and retain the RPC associated with serving new
8	customers that is used to offset the costs associated with new customers. Imposing a cap
9	based on the "authorized revenue" is fundamentally inconsistent with the RPC method
10	and nothing in the Settlement Agreement states that such a cap must be imposed. The
11	Department's recommendation is a clear departure from the Settlement Agreement and
12	will be prejudicial to the Company.
13	5.5: For the Decoupling Year (DY1) under consideration, Northern reported to have
14	earned a total base revenue of \$44,506,322 Northern also reported and is seeking a
15	total of \$4,313,259 in RDAF. This RDAF ask implies, if the requested amount is
16	approved for eventual collection in base distribution revenues, that Northern would
17	recover a total of \$48,819,581 in DY1. This is would be \$1,145,894 additional to the
18	approved revenue requirement. It is also unclear if, due to the application of the current
19	RPC formula, this additional \$1.15 million revenue was intended to be provided to the
20	Company under the proposed RDM. Consequently, if the requested total RDAF amount
21	(\$4.3 million) is approved, the ratepayers would be unduly harmed by this additional
22	\$1.15 million RDAF ask.

1	Response: The Settlement Agreement and Order 26,650 unambiguously set forth the
2	RPC revenue decoupling method and calculation of the RDA and RDAF. The intent of
3	the Settling Parties and the Commission is clear and expressed in the plain language of
4	the Settlement Agreement. Northern is not requesting an "additional" \$1.15 million
5	above the Company's approved revenue requirement. The Commission approved a RPC
6	revenue decoupling method in Order 26,650, and the RDA calculated in this case is
7	consistent with that method as described in the Order. The full amount of the RDA is
8	what the Commission approved in DG 21-104. Under the approved RPC approach the
9	Company is allowed to retain the RPC with serving new customers. As Attachment 3
10	shows, the entire amount of additional revenue is associated with new customer revenue
11	with approximately 95 percent of that growth occurring within the R-5 and R-10
12	residential heating classes. This shows that the Company's agreed to and approved
13	revenue decoupling mechanism approved in DG 21-104 is working exactly in the manner
14	intended.
15	5.7: The per customer RDAF structure creates multiple misalignments
16	Response: The Department's arguments in this paragraph are largely repetitive of
17	previous assertions in the technical statement and completely disregard the express terms
18	of the Settlement Agreement that the Settling Parties, including the Department,
19	negotiated, and that the Commission approved. We note that under the Settlement
20	Agreement and Order 26,650, the treatment of deferred balances over the RDA cap is to
21	be addressed in the Company's next distribution rate case. See Attachment 1; Order No.
22	26,650 at 6. We understand the arguments set forth within paragraph 5.7 and throughout

23 the Department's technical statement to be outside the scope of this docket and more

1		appropriately addressed in the Company's next rate case. The Company has not
2		addressed these comments in paragraph 5.7 beyond what we have already stated in our
3		testimony, but this should not be viewed as acceptance of any of the Department's
4		conclusions.
5	Q.	Do you believe the Commission should approve the proposed RDAF as filed?
6	A.	Yes, the Department concludes in its comments that the Company has accurately
7		calculated its revenue decoupling factors in accordance with the Settlement Agreement
8		and the Company's tariff. The Department's suggestion that the Company's RDA,
9		including the deferral balance over the cap, should be capped at the test year amount used
10		to develop revenue per customer levels is erroneous, inconsistent with the RPC method
11		approved in DG 21-104, and should be rejected.
12	Q.	Does this conclude your testimony?

13 A. Yes, it does.

DG 23-086 Northern Utilities, Inc. Rebuttal ATTACIONED HEARINO ADDA DG 21-104 Unitil Distribution Rate Case Settlement Agreement Page 4 of 16

SECTION 4. REVENUE DECOUPLING MECHANISM

4.1 The Settling Parties agree that Unitil shall implement a Revenue Decoupling Mechanism ("RDM") substantially as proposed in the initial prefiled testimony of Unitil witness Timothy Lyons, subject to the adjustments specified in this Settlement Agreement. Specifically, the Settling Parties agree and recommend that the Commission approve a RDM using a Revenue Per Customer ("RPC") model that shall reconcile monthly actual and authorized RPC by rate class. Settlement Attachment 3 provides the Company's monthly target RPCs effective August 1, 2022 and also provides preliminary monthly target RPCs effective September 1, 2022 to reflect the 2022 Step Adjustment.

4.2 The Company shall implement the RDM as follows:

4.2.1 First, the Company shall record monthly variances between actual and authorized RPC for each rate class. Rather than record and reconcile the variances on an annual basis, the variances shall be recorded and reconciled separately, for the Peak (November through April) and Off-Peak (May through October) periods (the "Measurement Periods"). The monthly variances in the applicable Measurement Period shall then be totaled by class. The total variances by customer class group and carrying costs shall form the basis for the revenue decoupling adjustment ("RDA") by group and the calculation of revenue decoupling adjustment factors ("RDAF") (surcharges or credits). A Customer Class Group comprises the rate schedules combined for purposes of calculating the RDA amounts. The four Customer Class Groups shall be: (1) Residential Heating (R-5 and R-10); (2) Residential Non-Heating (R-6); (3) C&I High Load Factor (G-50, G-51, G-52); and (4) C&I Low Load Factor (G-40, G-41, G-42).

4.2.2 Second, the Company shall annually file with the Commission the applicable RDAF 45 days in advance of November 1. The filing will provide the proposed RDAF for the Peak period, for effect November 1, and subsequent Off-Peak period, for effect May 1. The RDA for the Peak period shall reflect actual data for the

entire six month period while the RDA for the Off-Peak period shall reflect actual data for the first three months of the period and estimated data for the remaining three months. The filing shall include the RDA by group, including prior period reconciliation and calculation of the RDAF. Pursuant to this Settlement Agreement, rather than reconcile the RDA on an allocated basis as initially proposed by Unitil, the Company shall reconcile the RDA using the four customer class groups defined in subpart 4.2.1 above. The RDAF shall be calculated as a dollar per therm charge or credit based on the RDA for each group divided by the projected therm sales for each group over the prospective six-month period November through April and May through October ("the RDM Adjustment Period"). The RDAF shall be charged or credited to customer bills during the RDM Adjustment Period.

4.2.3 Unitil shall implement an RDA cap of 4.25 percent of approved distribution revenues as established by this Settlement for each group over the relevant Measurement Period(s) for over- and under-recoveries. To the extent that the RDA for a group, including prior period reconciliation exceeds 4.25 percent of distribution revenue, the amount over or under 4.25 percent shall be deferred, with carrying costs accrued monthly at the Prime Rate with said Prime Rate to be fixed on a quarterly basis and to be established as reported in *The Wall Street Journal* on the first business day of the month preceding the calendar quarter. If more than one interest rate is reported, the average of the reported rates shall be used. In the Company's next distribution rate case, parties to that proceeding may propose specific treatment of any carried balances remaining at that time.

4.2.4 The Settling Parties agree that the RDM shall be implemented at the proposed effective date of new permanent rates on August 1, 2022. At that time, Unitil shall cease accruing Lost Base Revenue ("LBR") due to energy efficiency and shall transition to decoupling as described in the August 2, 2021 Testimony of Christopher Goulding and Daniel Nawazelski at Bates pages 000111-113.

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4.2.5 With respect to the treatment of special contract revenue, the Company shall not implement its proposal to reconcile test year special contract revenue with actual revenue. The Settling Parties agree that if any special contract customers become tariff customers, they will be excluded from the RDM.

SECTION 5. STEP ADJUSTMENT

5.1 For purposes of calculating the Step Adjustment, the following definitions shall apply:

5.1.1 <u>Accumulated Depreciation</u> is the cumulative net credit balance arising from the provision for depreciation expense, cost of removal, salvage, and retirements. Non-growth depreciation expense and retirements shall be apportioned to nongrowth investments based upon the proportion of non-growth related Plant Additions relative to total Plant Additions in the Investment Year.

5.1.2 <u>Change in Net Plant</u> is the change in Net Utility Plant from one Investment Year to the next, which accounts for Plant Additions as well as Accumulated Depreciation.

5.1.3 <u>Change in Growth Net Plant</u> is the actual amount of growth-related Plant Additions in the Investment Year as set forth in Settlement Attachment 2 and Accumulated Depreciation. The amount of Depreciation Expense used in calculating Accumulated Depreciation is apportioned to growth-related Plant Additions based upon the proportion of growth-related Plant Additions relative to total Plant Additions in the Investment Year.

5.1.4 <u>Change in Non-Growth Net Plant</u> is the difference between the total Change in Net Plant less the Change in Growth Net Plant for the Investment Year.
5.1.5 <u>Depreciation Expense</u> is the return of the Company's investment calculated by multiplying the Non-Growth Additions by the average depreciation rate of 3.46 percent.

5.1.6 <u>Externally Imposed Accounting Rule Change</u> shall be deemed to have occurred if the Financial Accounting Standards Board or the Securities and Exchange

Northern Utilities, Inc. - New Hampshire Division Decoupling Target Distribution Revenues

Description	Effective August 1, 2022	Sep	Effective otember 1, 2022
Test Year Adjusted Distribution Revenues	\$ 39,796,840		
Permanent Rate Increase ⁽¹⁾	6,321,881		
Distribution Revenues	\$ 46,118,721	\$	46,118,721
Add: Step Adjustment (Illustrative)	-		1,554,966
Target Distribution Revenues	\$ 46,118,721	\$	47,673,687

Notes:

(1) Reflects permanent rate increase of \$6,091,477 plus \$231,477 related to the reduction of indirect production and A&G costs recovered as a part of the Company's Cost of Gas Clause

Northern Utilities, Inc. - New Hampshire Division Decoupling Target Revenues by Class

Distribution Revenues	Residential																
August 1, 2022-July 31, 2023	R6		R5-R10		G40	G40 C		G50		G41		G51		G52		Total	
Test Year Distribution Revenues	\$	493,626	\$	20,731,783	\$	6,745,829	\$	1,024,226	\$	5,235,691	\$	1,396,947	\$	1,545,114 \$	2,623,624	\$	39,796,840
Rate Increase		156,858		4,153,139		803,485		81,431		623,639		111,074		183,925	208,329		6,321,881
Distribution Revenues	\$	650,484	\$	24,884,923	\$	7,549,314	\$	1,105,657	\$	5,859,330	\$	1,508,021	\$	1,729,040 \$	2,831,954	\$	46,118,721
Add: Step Increase (Illustrative)		-		-		-		-		-		-		-	-		-
Target Distribution Revenues	\$	650,484	\$	24,884,923	\$	7,549,314	\$	1,105,657	\$	5,859,330	\$	1,508,021	\$	1,729,040 \$	2,831,954	\$	46,118,721

Distribution Revenues	Residential										
September 1, 2022-July 31, 2023		R6		R5-R10	G40	G50	G41	G51	G42	G52	Total
Distribution Revenues	\$	650,484	\$	24,884,923	\$ 7,549,314	\$ 1,105,657	\$ 5,859,330 \$	1,508,021	\$ 1,729,040 \$	2,831,954 \$	46,118,721
Add: Step Increase (Illustrative)		21,932		839,035	254,537	37,279	197,557	50,845	58,297	95,484	1,554,966
Target Distribution Revenues	\$	672,416	\$	25,723,957	\$ 7,803,851	\$ 1,142,936	\$ 6,056,886 \$	1,558,867	\$ 1,787,337 \$	2,927,437 \$	47,673,687

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Northern Utilities, Inc. - New Hampshire Division Decoupling Target Revenue Per Customer (August 1, 2022 - July 31, 2023)

Effective August 1, 2022-July 31, 2023	Res	sidential			Commercial a	and Industria	I		
Target Distribution Revenues	R6	R5-R10	G40	G50	G41	G51	G42	G52	Total
August	\$ 43,469	869,904	\$ 440,087	\$ 90,360	\$ 224,198	\$ 109,671	\$ 81,872	\$ 179,237	\$ 2,038,797
September	45,061	1,065,619	471,242	89,712	266,617	110,685	90,199	193,243	2,332,378
October	49,036	1,544,043	546,135	89,697	386,028	117,578	121,777	197,663	3,051,958
November	56,938	2,380,112	676,041	92,963	571,508	129,681	162,326	285,141	4,354,712
December	67,596	3,410,170	841,505	99,163	784,836	145,866	205,766	313,238	5,868,140
January	70,787	3,822,380	907,302	101,082	864,510	150,812	232,479	273,823	6,423,175
February	65,398	3,461,729	848,677	98,465	785,679	143,803	212,555	303,245	5,919,552
March	61,346	3,013,885	773,827	94,858	686,417	139,369	194,882	281,262	5,245,846
April	53,002	2,015,950	617,331	86,058	466,208	121,141	149,170	279,727	3,788,586
Мау	49,588	1,435,099	527,417	86,742	347,432	118,302	109,412	177,511	2,851,503
June	45,129	1,022,468	463,646	87,704	257,466	112,031	87,286	175,188	2,250,918
July	43,134	843,564	436,103	88,852	218,430	109,081	81,314	172,675	1,993,154
12ME July	\$ 650,484	\$ 24,884,923	\$7,549,314	\$1,105,657	\$5,859,330	\$1,508,021	\$1,729,040	\$2,831,954	\$ 46,118,721

Effective August 1, 2022-July 31, 2023	Resi	den	tial			Cor	nmercial a	and	Industria		
Customers in Authorized Rate Design	R6		R5-R10	G40	G50		G41		G51	G42	G52
August	\$ 1,277	\$	26,815	\$ 5,234	\$ 831	\$	704	\$	267	\$ 31	\$ 33
September	1,277		26,815	5,234	831		704		267	31	33
October	1,277		26,815	5,234	831		704		267	31	33
November	1,277		26,815	5,234	831		704		267	31	33
December	1,277		26,815	5,234	831		704		267	31	33
January	1,277		26,815	5,234	831		704		267	31	33
February	1,277		26,815	5,234	831		704		267	31	33
March	1,277		26,815	5,234	831		704		267	31	33
April	1,277		26,815	5,234	831		704		267	31	33
Мау	1,277		26,815	5,234	831		704		267	31	33
June	1,277		26,815	5,234	831		704		267	31	33
July	1,277		26,815	5,234	831		704		267	31	33

Effective August 1, 2022-July 31, 2023		Resi	dent	ial					Cor	mmercial a	Ind	I Industria		
Monthly Revenue Per Customer		R6	F	R5-R10		G40		G50		G41		G51	G42	G52
A	^	04.05	~	00.44	•	04.00	~	400.00	•	240.00	•	444 50	¢ 0.044.00	¢ 5 404 40
August	Þ	34.05	\$	32.44	Ф	84.08	Þ	108.68	Þ	318.30	Þ	411.52	\$ 2,641.02	\$ 5,431.42
September		35.29		39.74		90.03		107.90		378.59		415.33	2,909.65	5,855.83
October		38.41		57.58		104.34		107.88		548.15		441.19	3,928.30	5,989.80
November		44.60		88.76		129.16		111.81		811.53		486.61	5,236.34	8,640.65
December		52.95		127.17		160.77		119.26		1,114.46		547.34	6,637.61	9,492.05
January		55.45		142.55		173.34		121.57		1,227.59		565.90	7,499.33	8,297.66
February		51.22		129.10		162.14		118.42		1,115.65		539.60	6,856.63	9,189.26
March		48.05		112.40		147.84		114.09		974.70		522.96	6,286.51	8,523.10
April		41.51		75.18		117.94		103.50		662.01		454.56	4,811.93	8,476.58
Мау		38.84		53.52		100.76		104.32		493.35		443.91	3,529.42	5,379.12
June		35.35		38.13		88.58		105.48		365.60		420.38	2,815.68	5,308.73
July		33.79		31.46		83.32		106.86		310.17		409.31	2,623.05	5,232.57
Total	\$	509.50	\$	928.03	\$	1,442.27	\$	1,329.77	\$	8,320.15	\$	5,658.62	\$55,775.47	\$85,816.77

Northern Utilities New Hampshire Target Revenue Per Customer (August 1, 2022 - July 31, 2023) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	rminants			Calendar Mo	onth	Revenue
Line	Rate Class	Description	Month	Pro Forma Test Year Customers	Winter Therms	Summer Therms	Total Calendarized Therms	Ca	Total Ilendarized Revenue	Ca Re	alendarized evenue Per Customer
1	P_5	Posidential Heating	lanuary	26 171	3 560 155	٥	3 560 155	¢	3 736 /88	¢	1/10 77
2	N-5	Residential fleating	February	26,171	3,167,143	0	3 167 143	Ψ \$	3,730,400	φ \$	129 19
2		Rates	March	26,171	2 668 501	0	2 668 501	Ψ ¢	2 940 220	Ψ ¢	112 35
4		Customer	Anril	26,171	1 566 216	0	1 566 216	Ψ \$	1 965 690	Ψ \$	75 11
5		\$22.20	Mav	26,171	1,000,210	926 189	926 189	\$	1,300,000	\$	53 49
6		Per Therm	June	26,171	0	471 753	471 753	ŝ	998 075	\$	38 14
7		\$0 8841	July	26,171	0	274 716	274 716	\$	823 875	\$	31 48
8		<i>\$0.00+1</i>	August	26,171	0	303 731	303 731	\$	849 527	\$	32 46
9			Sentember	26,171	0	519 219	519 219	ŝ	1 040 040	ŝ	39 74
10			October	26,171	0	1 047 855	1 047 855	\$	1,540,640	\$	57 60
11			November	26,171	1 975 568	1,047,000	1 975 568	\$	2 327 598	\$	88 94
12			December	26,171	3,115,886	0	3,115,886	\$	3.335.753	\$	127.46
13			December	20,111	16,062,468	3,543,464	19,605,931	\$	24,305,585	\$	928.72
	D 40			644	00.000	•	00.000	•	05 000	•	400.44
14	R-10	Res. Heating, Low Income	January	644	80,989	0	80,989	\$	85,892	\$	133.44
15			February	644	75,070	0	75,070	\$	80,660	\$	125.31
16		Rates	March	644	67,158	0	67,158	\$	73,665	\$	114.44
1/		Customer	April	644	40,685	0	40,685	\$	50,260	\$	78.08
18		\$22.20	Мау	644	0	23,715	23,715	\$	35,257	\$	54.77
19		Per Therm	June	644	0	11,427	11,427	\$	24,393	\$	37.90
20		\$0.8841	July	644	0	6,106	6,106	\$	19,688	\$	30.59
21			August	644	0	6,885	6,885	\$	20,377	\$	31.66
22			September	644	0	12,769	12,769	\$	25,579	\$	39.74
23			October	644	0	25,275	25,275	\$	36,636	\$	56.92
24			November	644	43,235	0	43,235	\$	52,514	\$	81.58
25			December	644	68,009	0	68,009	\$	74,417	\$	115.61
26					375,147	86,179	461,326	\$	579,338	\$	900.02
27	R-6	Residential Non-Heating	January	1,277	32,447	0	32,447	\$	70,787	\$	55.45
28			February	1,277	28,328	0	28,328	\$	65,398	\$	51.22
29		Rates	March	1,277	25,230	0	25,230	\$	61,346	\$	48.05
30		Customer	April	1,277	18,851	0	18,851	\$	53,002	\$	41.51
31		\$22.20	Мау	1,277	0	16,241	16,241	\$	49,588	\$	38.84
32		Per Therm	June	1,277	0	12,833	12,833	\$	45,129	\$	35.35
33		\$1.3081	July	1,277	0	11,308	11,308	\$	43,134	\$	33.79
34			August	1,277	0	11,564	11,564	\$	43,469	\$	34.05
35			September	1,277	0	12,781	12,781	\$	45,061	\$	35.29
36			October	1,277	0	15,819	15,819	\$	49,036	\$	38.41
37			November	1,277	21,860	0	21,860	\$	56,938	\$	44.60
38			December	1,277	30,008	0	30,008	\$	67,596	\$	52.95
39					156,724	80,545	237,269	\$	650,484	\$	509.50

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Northern Utilities New Hampshire Target Revenue Per Customer (August 1, 2022 - July 31, 2023) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	erminants		(Calendar Mo	onth	Revenue
Line	Rate Class	Description	Month	Pro Forma Test Year Customers	Winter Therms	Summer Therms	Total Calendarized Therms	Ca	Total alendarized Revenue	Ca Re C	lendarized venue Per Sustomer
40	G-40/T-40	Low Annual High Winter	lanuary	5 234	2 105 842	0	2 105 842	\$	907 302	\$	173 34
40	0 40/1 40		February	5 234	1 853 148	0	1 853 148	\$	848 677	\$	162 14
42		Rates	March	5,234	1,530,519	0	1,530,519	\$	773.827	\$	147.84
43		Customer	April	5.234	855.965	0	855.965	\$	617.331	\$	117.94
44		\$80.00	Mav	5.234	0	468.408	468,408	\$	527.417	\$	100.76
45		Per Therm	June	5,234	0	193.531	193.531	\$	463.646	\$	88.58
46		\$0.2320	Julv	5,234	0	74.813	74.813	\$	436,103	\$	83.32
47		*	August	5,234	0	91.982	91.982	\$	440.087	\$	84.08
48			September	5.234	0	226.274	226,274	\$	471.242	\$	90.03
49			October	5,234	0	549,088	549,088	\$	546,135	\$	104.34
50			November	5,234	1,109,028	0	1,109,028	\$	676,041	\$	129.16
51			December	5,234	1,822,234	0	1,822,234	\$	841,505	\$	160.77
52				·	9,276,737	1,604,096	10,880,833	\$	7,549,314	\$	1,442.27
53	G-50/T-50	Low Annual, Low Winter	January	831	165,778	0	165,778	\$	101,082	\$	121.57
54			February	831	153,226	0	153,226	\$	98,465	\$	118.42
55		Rates	March	831	135,926	0	135,926	\$	94,858	\$	114.09
56		Customer	April	831	93,720	0	93,720	\$	86,058	\$	103.50
57		\$80.00	Мау	831	0	97,002	97,002	\$	86,742	\$	104.32
58		Per Therm	June	831	0	101,613	101,613	\$	87,704	\$	105.48
59		\$0.2085	July	831	0	107,123	107,123	\$	88,852	\$	106.86
60			August	831	0	114,352	114,352	\$	90,360	\$	108.68
61			September	831	0	111,245	111,245	\$	89,712	\$	107.90
62			October	831	0	111,176	111,176	\$	89,697	\$	107.88
63			November	831	126,839	0	126,839	\$	92,963	\$	111.81
64			December	831	156,573	0	156,573	\$	99,163	\$	119.26
65					832,063	642,511	1,474,573	\$	1,105,657	\$	1,329.77
66	G-41/T-41	Med. Annual, High Winter	January	704	2,573,095	0	2,573,095	\$	864,510	\$	1,227.59
67			February	704	2,285,810	0	2,285,810	\$	785,679	\$	1,115.65
68		Rates	March	704	1,924,069	0	1,924,069	\$	686,417	\$	974.70
69		Customer	April	704	1,121,559	0	1,121,559	\$	466,208	\$	662.01
70		\$225.00	Мау	704	0	688,701	688,701	\$	347,432	\$	493.35
71		Per Therm	June	704	0	360,838	360,838	\$	257,466	\$	365.60
72		\$0.2744	July	704	0	218,577	218,577	\$	218,430	\$	310.17
73			August	704	0	239,596	239,596	\$	224,198	\$	318.36
74			September	704	0	394,184	394,184	\$	266,617	\$	378.59
75			October	704	0	829,358	829,358	\$	386,028	\$	548.15
76			November	704	1,505,305	0	1,505,305	\$	571,508	\$	811.53
77			December	704	2,282,740	0	2,282,740	\$	784,836	\$	1,114.46
78					11,692,577	2,731,254	14,423,832	\$	5,859,330	\$	8,320.15

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Northern Utilities New Hampshire Target Revenue Per Customer (August 1, 2022 - July 31, 2023) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	erminants			Calendar Mo	onth	Revenue
				Pro Forma			Total		Total	Ca	alendarized
				Test Year		Summer	Calendarized	C	alendarized	Re	evenue Per
Line	Rate Class	Description	Month	Customers	Winter Therms	Therms	Therms		Revenue	(Customer
79	G-51/T-51	Med. Annual, Low Winter	January	267	548,609	0	548,609	\$	150,812	\$	565.90
80			February	267	506,285	0	506,285	\$	143,803	\$	539.60
81		Rates	March	267	479,510	0	479,510	\$	139,369	\$	522.96
82		Customer	April	267	369,435	0	369,435	\$	121,141	\$	454.56
83		\$225.00	Мау	267	0	352,292	352,292	\$	118,302	\$	443.91
84		Per Therm	June	267	0	314,422	314,422	\$	112,031	\$	420.38
85		\$0.1656	July	267	0	296,610	296,610	\$	109,081	\$	409.31
86			August	267	0	300,172	300,172	\$	109,671	\$	411.52
87			September	267	0	306,298	306,298	\$	110,685	\$	415.33
88			October	267	0	347,918	347,918	\$	117,578	\$	441.19
89			November	267	421,008	0	421,008	\$	129,681	\$	486.61
90			December	267	518,741	0	518,741	\$	145,866	\$	547.34
91					2,843,588	1,917,712	4,761,300	\$	1,508,021	\$	5,658.62
92	G-42/T-42	High Annual, High Winter	January	31	915,167	0	915,167	\$	232,479	\$	7,499.33
93			February	31	819,517	0	819,517	\$	212,555	\$	6,856.63
94		Rates	March	31	734,670	0	734,670	\$	194,882	\$	6,286.51
95		Customer	April	31	515,218	0	515,218	\$	149,170	\$	4,811.93
96		\$1,350.00	Мау	31	0	324,350	324,350	\$	109,412	\$	3,529.42
97		Per Therm	June	31	0	218,129	218,129	\$	87,286	\$	2,815.68
98		\$0.2083	July	31	0	189,460	189,460	\$	81,314	\$	2,623.05
99			August	31	0	192,134	192,134	\$	81,872	\$	2,641.02
100			September	31	0	232,113	232,113	\$	90,199	\$	2,909.65
101			October	31	0	383,712	383,712	\$	121,777	\$	3,928.30
102			November	31	578,379	0	578,379	\$	162,326	\$	5,236.34
103			December	31	786,923	0	786,923	\$	205,766	\$	6,637.61
104					4,349,875	1,539,897	5,889,772	\$	1,729,040	\$	55,775.47
105	G-52/T-52	High Annual, Low Winter	January	33	1,332,981	0	1,332,981	\$	273,823	\$	8,297.66
106			February	33	1,504,043	0	1,504,043	\$	303,245	\$	9,189.26
107		Rates	March	33	1,376,235	0	1,376,235	\$	281,262	\$	8,523.10
108		Customer	April	33	1,342,269	41,018	1,383,288	\$	279,727	\$	8,476.58
109		\$1,350.00	Мау	33	5,650	1,257,039	1,262,689	\$	177,511	\$	5,379.12
110		Per Therm Summer	June	33	12,462	1,223,757	1,236,219	\$	175,188	\$	5,308.73
111		\$0.1050	July	33	0	1,220,236	1,220,236	\$	172,675	\$	5,232.57
112		Per Therm Winter	August	33	0	1,282,733	1,282,733	\$	179,237	\$	5,431.42
113		\$0.1720	September	33	0	1,416,119	1,416,119	\$	193,243	\$	5,855.83
114			October	33	43,229	1,387,409	1,430,639	\$	197,663	\$	5,989.80
115			November	33	1,381,287	28,665	1,409,953	\$	285,141	\$	8,640.65
116			December	33	1,562,138	0	1,562,138	\$	313,238	\$	9,492.05
117					8,560,295	7,856,979	16,417,274	\$	2,831,954	\$	85,816.77
118		Total			54,149,473	20,002,636	74,152,109	\$	46,118,721		

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Northern Utilities, Inc. - New Hampshire Division Decoupling Target Revenue Per Customer (September 1, 2022 - July 31, 2023)

Effective September 1, 2022-July 31, 2023	3	Res	ider	ntial					Con	nmercial a	and	Industrial						
Target Distribution Revenues		R6		R5-R10		G40		G50		G41		G51		G42		G52		Total
August (at August 1, 2022 Rates)	\$	43,469		869,904	\$	440,087	\$	90,360	\$	224,198	\$	109,671	\$	81,872	\$	179,237	\$	2,038,797
September		46,303		1,088,212		476,581		92,761		272,107		114,176		92,574		199,807		2,382,521
October		50,573		1,589,617		559,090		92,744		397,580		121,543		125,703		204,424		3,141,274
November		59,063		2,465,848		702,206		96,439		592,474		134,480		168,244		295,764		4,514,517
December		70,512		3,545,385		884,496		103,454		816,630		151,778		213,818		325,101		6,111,174
January		73,940		3,977,396		956,985		105,625		900,348		157,065		241,843		283,945		6,697,147
February		68,151		3,599,421		892,398		102,664		817,515		149,574		220,941		314,667		6,165,330
March		63,797		3,130,064		809,936		98,583		713,215		144,835		202,399		291,713		5,454,543
April		54,833		2,084,192		637,525		88,627		481,829		125,352		154,442		290,111		3,916,910
Мау		51,166		1,475,440		538,468		89,401		357,024		122,317		112,731		183,381		2,929,929
June		46,376		1,042,988		468,212		90,489		262,492		115,614		89,518		180,956		2,296,645
July		44,233		855,490		437,868		91,788		221,474		112,462		83,253		178,332		2,024,900
11ME July	\$	672,416	\$	25,723,957	\$7	7,803,851	\$1	1,142,936	\$6	6,056,886	\$1	,558,867	\$1	,787,337	\$2	2,927,437	\$4	47,673,687

Effective September 1, 2022-July 31, 2023	Res	ide	ntial			Con	nmercial	and	Industria		
Customers in Authorized Rate Design	R6		R5-R10	G40	G50		G41		G51	G42	G52
September	\$ 1,277	\$	26,815	\$ 5,234	\$ 831	\$	704	\$	267	\$ 31	\$ 33
October	1,277		26,815	5,234	831		704		267	31	33
November	1,277		26,815	5,234	831		704		267	31	33
December	1,277		26,815	5,234	831		704		267	31	33
January	1,277		26,815	5,234	831		704		267	31	33
February	1,277		26,815	5,234	831		704		267	31	33
March	1,277		26,815	5,234	831		704		267	31	33
April	1,277		26,815	5,234	831		704		267	31	33
May	1,277		26,815	5,234	831		704		267	31	33
June	1,277		26,815	5,234	831		704		267	31	33
July	1,277		26,815	5,234	831		704		267	31	33

Effective September 1, 2022-July 31, 2023	3	Res	esidential Commercial and Industrial												
Monthly Revenue Per Customer		R6		R5-R10		G40		G50		G41		G51	G42	G52	
September	\$	36.27	\$	40.58	\$	91.05	\$	111.56	\$	386.39	\$	428.43	\$ 2,986.26	\$ 6,054.77	
October		39.61		59.28		106.81		111.54		564.56		456.07	4,054.95	6,194.65	
November		46.26		91.96		134.15		115.99		841.30		504.61	5,427.24	8,962.53	
December		55.23		132.22		168.98		124.42		1,159.60		569.52	6,897.34	9,851.53	
January		57.91		148.33		182.83		127.04		1,278.48		589.36	7,801.39	8,604.40	
February		53.38		134.23		170.49		123.47		1,160.86		561.25	7,127.11	9,535.37	
March		49.97		116.73		154.74		118.57		1,012.75		543.47	6,529.00	8,839.80	
April		42.95		77.73		121.80		106.59		684.19		470.36	4,981.99	8,791.23	
Мау		40.08		55.02		102.87		107.52		506.97		458.98	3,636.48	5,557.01	
June		36.32		38.90		89.45		108.83		372.73		433.83	2,887.68	5,483.51	
July		34.65		31.90		83.65		110.39		314.49		422.00	2,685.58	5,403.99	
Total	\$	492.63	\$	926.88	\$	1,406.82	\$	1,265.93	\$	8,282.32	\$	5,437.88	\$55,015.01	\$83,278.80	

Northern Utilities New Hampshire Target Revenue Per Customer (September 1, 2022 - July 31, 2023) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	erminants			Calendar Mo	nth	Revenue
Line	Rate Class	Description	Month	Pro Forma Test Year Customers	Winter Therms	Summer Therms	Total Calendarized Therms	Ca	Total alendarized Revenue	Ca Re	llendarized evenue Per Customer
1	R-5	Residential Heating	.lanuarv	26,171	3,569,155	0	3.569.155	\$	3.888.065	\$	148.56
2			February	26,171	3,167,143	0	3,167,143	\$	3.515.573	\$	134.33
3		Rates	March	26.171	2.668.501	0	2.668.501	\$	3.053.547	\$	116.68
4		Customer	April	26,171	1,566,216	0	1,566,216	\$	2,032,205	\$	77.65
5		\$22.20	May	26,171	0	926,189	926,189	\$	1,439,176	\$	54.99
6		Per Therm	June	26,171	0	471,753	471,753	\$	1,018,110	\$	38.90
7		\$0.9266	July	26,171	0	274,716	274,716	\$	835,542	\$	31.93
8			August	26,171	0	303,731	303,731	\$	862,426	\$	32.95
9			September	26,171	0	519,219	519,219	\$	1,062,090	\$	40.58
10			October	26,171	0	1,047,855	1,047,855	\$	1,551,908	\$	59.30
11			November	26,171	1,975,568	0	1,975,568	\$	2,411,497	\$	92.14
12			December	26,171	3,115,886	0	3,115,886	\$	3,468,080	\$	132.52
13					16,062,468	3,543,464	19,605,931	\$	25,138,219	\$	960.53
14	R-10	Res. Heating, Low Income	January	644	80,989	0	80,989	\$	89,331	\$	138.78
15			February	644	75,070	0	75,070	\$	83,848	\$	130.26
16		Rates	March	644	67,158	0	67,158	\$	76,517	\$	118.87
17		Customer	April	644	40,685	0	40,685	\$	51,988	\$	80.76
18		\$22.20	Мау	644	0	23,715	23,715	\$	36,264	\$	56.34
19		Per Therm	June	644	0	11,427	11,427	\$	24,878	\$	38.65
20		\$0.9266	July	644	0	6,106	6,106	\$	19,948	\$	30.99
21			August	644	0	6,885	6,885	\$	20,670	\$	32.11
22			September	644	0	12,769	12,769	\$	26,122	\$	40.58
23			October	644	0	25,275	25,275	\$	37,709	\$	58.58
24			November	644	43,235	0	43,235	\$	54,350	\$	84.43
25			December	644	68,009	0	68,009	\$	77,305	\$	120.10
26					375,147	86,179	461,326	\$	598,929	\$	930.46
27	R-6	Residential Non-Heating	January	1,277	32,447	0	32,447	\$	73,940	\$	57.91
28			February	1,277	28,328	0	28,328	\$	68,151	\$	53.38
29		Rates	March	1,277	25,230	0	25,230	\$	63,797	\$	49.97
30		Customer	April	1,277	18,851	0	18,851	\$	54,833	\$	42.95
31		\$22.20	Мау	1,277	0	16,241	16,241	\$	51,166	\$	40.08
32		Per Therm	June	1,277	0	12,833	12,833	\$	46,376	\$	36.32
33		\$1.4053	July	1,277	0	11,308	11,308	\$	44,233	\$	34.65
34			August	1,277	0	11,564	11,564	\$	44,593	\$	34.93
35			September	1,277	0	12,781	12,781	\$	46,303	\$	36.27
36			October	1,277	0	15,819	15,819	\$	50,573	\$	39.61
37			November	1,277	21,860	0	21,860	\$	59,063	\$	46.26
38			December	1,277	30,008	0	30,008	\$	70,512	\$	55.23
39					156,724	80,545	237,269	\$	673,540	\$	527.56

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Northern Utilities New Hampshire Target Revenue Per Customer (September 1, 2022 - July 31, 2023) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	rminants			Calendar Mo	nth	Revenue
Line	Rate Class	Description	Month	Pro Forma Test Year Customers	Winter Therms	Summer Therms	Total Calendarized Therms	Ca	Total alendarized Revenue	Ca Re C	lendarized venue Per Sustomer
40	G-40/T-40	Low Annual, High Winter	Januarv	5.234	2.105.842	0	2.105.842	\$	956.985	\$	182.83
41			February	5.234	1.853.148	0	1.853.148	\$	892.398	\$	170.49
42		Rates	March	5.234	1.530.519	0	1.530.519	\$	809,936	\$	154.74
43		Customer	April	5.234	855.965	0	855,965	\$	637.525	\$	121.80
44		\$80.00	Mav	5,234	0	468,408	468,408	\$	538,468	\$	102.87
45		Per Therm	June	5.234	0	193.531	193.531	\$	468.212	\$	89.45
46		\$0.2556	Julv	5.234	0	74.813	74.813	\$	437.868	\$	83.65
47		<i>•••••••</i>	August	5.234	0	91.982	91.982	\$	442.257	\$	84.49
48			September	5.234	0	226.274	226.274	\$	476.581	\$	91.05
49			October	5.234	0	549.088	549.088	\$	559.090	\$	106.81
50			November	5.234	1.109.028	0	1.109.028	\$	702.206	\$	134.15
51			December	5.234	1.822.234	0	1.822.234	\$	884.496	\$	168.98
52				-,	9,276,737	1,604,096	10,880,833	\$	7,806,021	\$	1,491.31
53	G-50/T-50	Low Annual. Low Winter	Januarv	831	165.778	0	165.778	\$	105.625	\$	127.04
54		,,, _,, _	February	831	153.226	0	153.226	\$	102.664	\$	123.47
55		Rates	March	831	135.926	0	135.926	\$	98.583	\$	118.57
56		Customer	April	831	93.720	0	93.720	\$	88.627	\$	106.59
57		\$80.00	Mav	831	0	97.002	97.002	\$	89,401	\$	107.52
58		Per Therm	June	831	0	101.613	101.613	\$	90.489	\$	108.83
59		\$0.2359	Julv	831	0	107.123	107.123	\$	91.788	\$	110.39
60		¥0	August	831	0	114.352	114.352	\$	93.494	\$	112.44
61			September	831	0	111.245	111.245	\$	92.761	\$	111.56
62			October	831	0	111.176	111.176	\$	92.744	\$	111.54
63			November	831	126.839	0	126.839	\$	96.439	\$	115.99
64			December	831	156.573	0	156.573	\$	103.454	\$	124.42
65					832,063	642,511	1,474,573	\$	1,146,070	\$	1,378.37
66	G-41/T-41	Med. Annual, High Winter	January	704	2,573.095	0	2,573.095	\$	900,348	\$	1,278.48
67			February	704	2,285,810	0	2,285,810	\$	817,515	\$	1,160.86
68		Rates	March	704	1,924,069	0	1,924,069	\$	713,215	\$	1,012.75
69		Customer	April	704	1,121,559	0	1,121,559	\$	481,829	\$	684.19
70		\$225.00	Mav	704	0	688,701	688,701	\$	357,024	\$	506.97
71		Per Therm	June	704	0	360,838	360,838	\$	262,492	\$	372.73
72		\$0.2883	July	704	0	218.577	218.577	\$	221,474	\$	314.49
73		, -	August	704	0	239,596	239,596	\$	227,535	\$	323.10
74			September	704	0	394,184	394,184	\$	272,107	\$	386.39
75			October	704	0	829.358	829,358	\$	397,580	\$	564.56
76			November	704	1,505,305	0	1.505.305	\$	592,474	\$	841.30
77			December	704	2,282,740	0	2,282,740	\$	816,630	\$	1,159.60
78					11,692,577	2,731,254	14,423,832	\$	6,060,223	\$	8,605.42

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Northern Utilities New Hampshire Target Revenue Per Customer (September 1, 2022 - July 31, 2023) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	(H)		[1]		[J]
					Billing Dete	erminants			Calendar Mo	<u>onth</u>	Revenue
				Pro Forma			Total		Total	Ca	lendarized
				Test Year		Summer	Calendarized	C	alendarized	Re	evenue Per
Line	Rate Class	Description	Month	Customers	Winter Therms	Therms	Therms		Revenue		Customer
79	G-51/T-51	Med. Annual, Low Winter	January	267	548,609	0	548,609	\$	157,065	\$	589.36
80			February	267	506,285	0	506,285	\$	149,574	\$	561.25
81		Rates	March	267	479,510	0	479,510	\$	144,835	\$	543.47
82		Customer	April	267	369,435	0	369,435	\$	125,352	\$	470.36
83		\$225.00	May	267	0	352,292	352,292	\$	122,317	\$	458.98
84		Per Therm	June	267	0	314,422	314,422	\$	115,614	\$	433.83
85		\$0.1770	July	267	0	296,610	296,610	\$	112,462	\$	422.00
86			August	267	0	300,172	300,172	\$	113,092	\$	424.36
87			September	267	0	306,298	306,298	\$	114,176	\$	428.43
88			October	267	0	347,918	347,918	\$	121,543	\$	456.07
89			November	267	421,008	0	421,008	\$	134,480	\$	504.61
90			December	267	518,741	0	518,741	\$	151,778	\$	569.52
91					2,843,588	1,917,712	4,761,300	\$	1,562,288	\$	5,862.24
92	G-42/T-42	High Annual. High Winter	Januarv	31	915.167	0	915.167	\$	241.843	\$	7.801.39
93		5, 5	February	31	819.517	0	819.517	\$	220,941	\$	7.127.11
94		Rates	March	31	734.670	0	734.670	\$	202.399	\$	6.529.00
95		Customer	April	31	515.218	0	515.218	\$	154.442	\$	4.981.99
96		\$1.350.00	Mav	31	0	324.350	324.350	\$	112,731	\$	3.636.48
97		Per Therm	June	31	0	218.129	218.129	\$	89.518	\$	2.887.68
98		\$0.2185	Julv	31	0	189.460	189.460	\$	83.253	\$	2.685.58
99		,	August	31	0	192.134	192.134	\$	83.837	\$	2.704.43
100			September	31	0	232,113	232,113	\$	92.574	\$	2.986.26
101			October	31	0	383.712	383.712	\$	125.703	\$	4.054.95
102			November	31	578.379	0	578.379	\$	168.244	\$	5.427.24
103			December	31	786.923	0	786.923	\$	213.818	\$	6.897.34
104					4,349,875	1,539,897	5,889,772	\$	1,789,303	\$	57,719.44
105	G-52/T-52	High Annual, Low Winter	January	33	1,332.981	0	1,332,981	\$	283.945	\$	8,604.40
106			February	33	1,504,043	0	1,504,043	\$	314,667	\$	9,535.37
107		Rates	March	33	1,376,235	0	1,376,235	\$	291,713	\$	8,839.80
108		Customer	April	33	1,342,269	41,018	1,383,288	\$	290,111	\$	8,791.23
109		\$1,350.00	May	33	5,650	1,257,039	1,262,689	\$	183,381	\$	5,557.01
110		Per Therm Summer	June	33	12,462	1,223,757	1,236,219	\$	180,956	\$	5,483.51
111		\$0.1096	July	33	. 0	1,220,236	1,220,236	\$	178,332	\$	5,403.99
112		Per Therm Winter	August	33	0	1,282,733	1,282,733	\$	185,184	\$	5,611.62
113		\$0.1796	September	33	0	1,416,119	1,416,119	\$	199,807	\$	6,054.77
114			October	33	43.229	1,387,409	1,430.639	\$	204.424	\$	6,194.65
115			November	33	1.381.287	28.665	1,409.953	\$	295.764	\$	8,962.53
116			December	33	1,562,138	0	1,562.138	\$	325.101	\$	9,851.53
117					8,560,295	7,856,979	16,417,274	\$	2,933,384	\$	88,890.42
118		Total			54,149,473	20,002,636	74,152,109	\$	47,707,977		

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Northern Utilities, Inc. - New Hampshire Division Decoupling Target Revenue Per Customer (August 1, 2023 - July 31, 2024)

Effective August 1, 2023-July 31, 2024	Resi	dential							
Target Distribution Revenues	R6	R5-R10	G40	G50	G41	G51	G42	G52	Total
August	\$ 44,538	\$ 882,891	\$ 442,238	\$ 93,251	\$ 227,479	\$ 112,876	\$ 83,773	\$ 184,835	\$ 2,071,883
September	46,242	1,087,862	476,536	92,524	272,016	113,956	92,497	199,423	2,381,056
October	50,498	1,588,912	558,980	92,508	397,388	121,293	125,575	204,027	3,139,181
November	58,959	2,464,520	701,985	96,170	592,126	134,177	168,051	295,141	4,511,129
December	70,370	3,543,292	884,133	103,121	816,102	151,406	213,555	324,405	6,106,384
January	73,786	3,974,997	956,565	105,273	899,752	156,671	241,538	283,352	6,691,933
February	68,017	3,597,290	892,028	102,339	816,986	149,210	220,667	313,998	6,160,534
March	63,678	3,128,266	809,631	98,294	712,770	144,490	202,154	291,101	5,450,383
April	54,744	2,083,136	637,354	88,427	481,570	125,086	154,270	289,502	3,914,089
Мау	51,089	1,474,815	538,375	89,195	356,865	122,064	112,622	183,037	2,928,063
June	46,315	1,042,671	468,173	90,273	262,409	115,389	89,445	180,618	2,295,292
July	44,179	855,305	437,854	91,561	221,424	112,249	83,190	178,000	2,023,761
12ME July	\$ 672,416	\$25,723,957	\$7,803,851	\$1,142,936	\$6,056,886	\$1,558,867	\$1,787,337	\$2,927,437	\$ 47,673,687

Effective August 1, 2023-July 31, 2024		Residential			Commercial and Industrial											
Customers in Authorized Rate Design	R6			R5-R10		G40		G50		G41	G51		G42		G52	
August	\$	1,277	\$	26,815	\$	5,234	\$	831	\$	704	\$	267	\$	31	\$	33
September		1,277		26,815		5,234		831		704		267		31		33
October		1,277		26,815		5,234		831		704		267		31		33
November		1,277		26,815		5,234		831		704		267		31		33
December		1,277		26,815		5,234		831		704		267		31		33
January		1,277		26,815		5,234		831		704		267		31		33
February		1,277		26,815		5,234		831		704		267		31		33
March		1,277		26,815		5,234		831		704		267		31		33
April		1,277		26,815		5,234		831		704		267		31		33
Мау		1,277		26,815		5,234		831		704		267		31		33
June		1,277		26,815		5,234		831		704		267		31		33
July		1,277		26,815		5,234		831		704		267		31		33

Effective August 1, 2023-July 31, 2024		Residential				Commercial and Industrial								
Monthly Revenue Per Customer		R6	R	R5-R10		G40		G50		G41 G51			G42	G52
August	¢	24.90	¢	22.02	¢	94 40	¢	110 15	¢	222.02	¢	400 55	¢ 0,700,07	¢ 5 604 06
August	Φ	34.09	Φ	32.93	Φ	04.49	Φ	112.15	Φ	323.02	φ	423.33	Φ Ζ,/UΖ.3 /	φ 5,001.00
September		36.22		40.57		91.04		111.28		386.26		427.60	2,983.76	6,043.11
October		39.55		59.26		106.79		111.26		564.28		455.13	4,050.81	6,182.64
November		46.18		91.91		134.11		115.66		840.81		503.48	5,421.01	8,943.66
December		55.12		132.14		168.91		124.02		1,158.85		568.13	6,888.87	9,830.46
January		57.79		148.24		182.75		126.61		1,277.63		587.88	7,791.54	8,586.42
February		53.28		134.15		170.42		123.08		1,160.11		559.89	7,118.29	9,515.08
March		49.88		116.66		154.68		118.22		1,012.12		542.18	6,521.09	8,821.23
April		42.88		77.69		121.76		106.35		683.82		469.37	4,976.44	8,772.78
Мау		40.02		55.00		102.85		107.27		506.74		458.03	3,632.98	5,546.58
June		36.28		38.88		89.44		108.57		372.62		432.98	2,885.33	5,473.26
July		34.60		31.90		83.65		110.12		314.42		421.20	2,683.54	5,393.94
Total	\$	526.68	\$	959.32	\$	1,490.90	\$	1,374.60	\$	8,600.68	\$	5,849.41	\$57,656.03	\$88,710.22

Northern Utilities New Hampshire Target Revenue Per Customer (August 1, 2023 - July 31, 2024) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	erminants		(Calendar Mo	nth	Revenue
Line	Rate Class	Description	Month	Pro Forma Test Year Customers	Winter Therms	Summer Therms	Total Calendarized Therms	Са	Total alendarized Revenue	Ca Re C	lendarized venue Per Sustomer
1	R-5	Residential Heating	Januarv	26.171	3.569.155	0	3.569.155	\$	3.885.718	\$	148.47
2			February	26,171	3,167,143	0	3,167,143	\$	3,513,491	\$	134.25
3		Rates	March	26,171	2,668,501	0	2,668,501	\$	3,051,793	\$	116.61
4		Customer	April	26,171	1,566,216	0	1,566,216	\$	2,031,175	\$	77.61
5		\$22.20	May	26,171	0	926,189	926,189	\$	1,438,567	\$	54.97
6		Per Therm	June	26,171	0	471,753	471,753	\$	1,017,800	\$	38.89
7		<i>\$0.9259</i>	July	26,171	0	274,716	274,716	\$	835,361	\$	31.92
8			August	26,171	0	303,731	303,731	\$	862,226	\$	32.95
9			September	26,171	0	519,219	519,219	\$	1,061,749	\$	40.57
10			October	26,171	0	1,047,855	1,047,855	\$	1,551,219	\$	59.27
11			November	26,171	1,975,568	0	1,975,568	\$	2,410,199	\$	92.09
12			December	26,171	3,115,886	0	3,115,886	\$	3,466,032	\$	132.44
13					16,062,468	3,543,464	19,605,931	\$	25,125,331	\$	960.04
14	R-10	Res. Heating, Low Income	January	644	80,989	0	80,989	\$	89,278	\$	138.70
15			February	644	75,070	0	75,070	\$	83,798	\$	130.18
16		Rates	March	644	67,158	0	67,158	\$	76,473	\$	118.80
17		Customer	April	644	40,685	0	40,685	\$	51,961	\$	80.72
18		\$22.20	Мау	644	0	23,715	23,715	\$	36,248	\$	56.31
19		Per Therm	June	644	0	11,427	11,427	\$	24,871	\$	38.64
20		\$0.9259	July	644	0	6,106	6,106	\$	19,944	\$	30.98
21			August	644	0	6,885	6,885	\$	20,665	\$	32.10
22			September	644	0	12,769	12,769	\$	26,113	\$	40.57
23			October	644	0	25,275	25,275	\$	37,693	\$	58.56
24			November	644	43,235	0	43,235	\$	54,322	\$	84.39
25			December	644	68,009	0	68,009	\$	77,261	\$	120.03
26					375,147	86,179	461,326	\$	598,626	\$	929.99
27	R-6	Residential Non-Heating	January	1,277	32,447	0	32,447	\$	73,786	\$	57.79
28			February	1,277	28,328	0	28,328	\$	68,017	\$	53.28
29		Rates	March	1,277	25,230	0	25,230	\$	63,678	\$	49.88
30		Customer	April	1,277	18,851	0	18,851	\$	54,744	\$	42.88
31		\$22.20	Мау	1,277	0	16,241	16,241	\$	51,089	\$	40.02
32		Per Therm	June	1,277	0	12,833	12,833	\$	46,315	\$	36.28
33		\$1.4005	July	1,277	0	11,308	11,308	\$	44,179	\$	34.60
34			August	1,277	0	11,564	11,564	\$	44,538	\$	34.89
35			September	1,277	0	12,781	12,781	\$	46,242	\$	36.22
36			October	1,277	0	15,819	15,819	\$	50,498	\$	39.55
37			November	1,277	21,860	0	21,860	\$	58,959	\$	46.18
38			December	1,277	30,008	0	30,008	\$	70,370	\$	55.12
39					156,724	80,545	237,269	\$	672,416	\$	526.68

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Northern Utilities New Hampshire Target Revenue Per Customer (August 1, 2023 - July 31, 2024) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	erminants			Calendar Mo	nth	Revenue
Line	Rate Class	Description	Month	Pro Forma Test Year Customers	Winter Therms	Summer Therms	Total Calendarized Therms	Ca	Total alendarized Revenue	Ca Re C	lendarized venue Per sustomer
40	G-40/T-40	Low Annual. High Winter	Januarv	5.234	2.105.842	0	2.105.842	\$	956.565	\$	182.75
41			February	5.234	1.853.148	0	1.853.148	\$	892.028	\$	170.42
42		Rates	March	5.234	1.530.519	0	1.530.519	\$	809.631	\$	154.68
43		Customer	April	5,234	855,965	0	855,965	\$	637,354	\$	121.76
44		\$80.00	May	5,234	0	468,408	468,408	\$	538,375	\$	102.85
45		Per Therm	June	5,234	0	193,531	193,531	\$	468,173	\$	89.44
46		\$0.2554	July	5,234	0	74,813	74,813	\$	437,854	\$	83.65
47			August	5,234	0	91,982	91,982	\$	442,238	\$	84.49
48			September	5,234	0	226,274	226,274	\$	476,536	\$	91.04
49			October	5,234	0	549,088	549,088	\$	558,980	\$	106.79
50			November	5,234	1,109,028	0	1,109,028	\$	701,985	\$	134.11
51			December	5,234	1,822,234	0	1,822,234	\$	884,133	\$	168.91
52					9,276,737	1,604,096	10,880,833	\$	7,803,851	\$	1,490.90
53	G-50/T-50	Low Annual, Low Winter	January	831	165,778	0	165,778	\$	105,273	\$	126.61
54			February	831	153,226	0	153,226	\$	102,339	\$	123.08
55		Rates	March	831	135,926	0	135,926	\$	98,294	\$	118.22
56		Customer	April	831	93,720	0	93,720	\$	88,427	\$	106.35
57		\$80.00	Мау	831	0	97,002	97,002	\$	89,195	\$	107.27
58		Per Therm	June	831	0	101,613	101,613	\$	90,273	\$	108.57
59		\$0.2338	July	831	0	107,123	107,123	\$	91,561	\$	110.12
60			August	831	0	114,352	114,352	\$	93,251	\$	112.15
61			September	831	0	111,245	111,245	\$	92,524	\$	111.28
62			October	831	0	111,176	111,176	\$	92,508	\$	111.26
63			November	831	126,839	0	126,839	\$	96,170	\$	115.66
64			December	831	156,573	0	156,573	\$	103,121	\$	124.02
65					832,063	642,511	1,474,573	\$	1,142,936	\$	1,374.60
66	G-41/T-41	Med. Annual, High Winter	January	704	2,573,095	0	2,573,095	\$	899,752	\$	1,277.63
67			February	704	2,285,810	0	2,285,810	\$	816,986	\$	1,160.11
68		Rates	March	704	1,924,069	0	1,924,069	\$	712,770	\$	1,012.12
69		Customer	April	704	1,121,559	0	1,121,559	\$	481,570	\$	683.82
70		\$225.00	Мау	704	0	688,701	688,701	\$	356,865	\$	506.74
71		Per Therm	June	704	0	360,838	360,838	\$	262,409	\$	372.62
72		\$0.2881	July	704	0	218,577	218,577	\$	221,424	\$	314.42
73			August	704	0	239,596	239,596	\$	227,479	\$	323.02
74			September	704	0	394,184	394,184	\$	272,016	\$	386.26
75			October	704	0	829,358	829,358	\$	397,388	\$	564.28
76			November	704	1,505,305	0	1,505,305	\$	592,126	\$	840.81
77			December	704	2,282,740	0	2,282,740	\$	816,102	\$	1,158.85
78					11,692,577	2,731,254	14,423,832	\$	6,056,886	\$	8,600.68

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Northern Utilities New Hampshire Target Revenue Per Customer (August 1, 2023 - July 31, 2024) Proposed Revenue by Calendar Month

[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]		[1]		[J]
					Billing Dete	erminants			Calendar Mo	<u>nth</u>	Revenue
				Pro Forma			Total		Total	Ca	lendarized
				Test Year		Summer	Calendarized	C	alendarized	Re	evenue Per
Line	Rate Class	Description	Month	Customers	Winter Therms	Therms	Therms		Revenue	(Customer
79	G-51/T-51	Med. Annual, Low Winter	January	267	548,609	0	548,609	\$	156,671	\$	587.88
80			February	267	506,285	0	506,285	\$	149,210	\$	559.89
81		Rates	March	267	479,510	0	479,510	\$	144,490	\$	542.18
82		Customer	April	267	369,435	0	369,435	\$	125,086	\$	469.37
83		\$225.00	Мау	267	0	352,292	352,292	\$	122,064	\$	458.03
84		Per Therm	June	267	0	314,422	314,422	\$	115,389	\$	432.98
85		\$0.1763	July	267	0	296,610	296,610	\$	112,249	\$	421.20
86			August	267	0	300,172	300,172	\$	112,876	\$	423.55
87			September	267	0	306,298	306,298	\$	113,956	\$	427.60
88			October	267	0	347,918	347,918	\$	121,293	\$	455.13
89			November	267	421,008	0	421,008	\$	134,177	\$	503.48
90			December	267	518,741	0	518,741	\$	151,406	\$	568.13
91					2,843,588	1,917,712	4,761,300	\$	1,558,867	\$	5,849.41
92	G-42/T-42	High Annual, High Winter	January	31	915,167	0	915,167	\$	241,538	\$	7,791.54
93			February	31	819,517	0	819,517	\$	220,667	\$	7,118.29
94		Rates	March	31	734,670	0	734,670	\$	202,154	\$	6,521.09
95		Customer	April	31	515,218	0	515,218	\$	154,270	\$	4,976.44
96		\$1,350.00	Мау	31	0	324,350	324,350	\$	112,622	\$	3,632.98
97		Per Therm	June	31	0	218,129	218,129	\$	89,445	\$	2,885.33
98		\$0.2182	July	31	0	189,460	189,460	\$	83,190	\$	2,683.54
99			August	31	0	192,134	192,134	\$	83,773	\$	2,702.37
100			September	31	0	232,113	232,113	\$	92,497	\$	2,983.76
101			October	31	0	383,712	383,712	\$	125,575	\$	4,050.81
102			November	31	578,379	0	578,379	\$	168,051	\$	5,421.01
103			December	31	786,923	0	786,923	\$	213,555	\$	6,888.87
104					4,349,875	1,539,897	5,889,772	\$	1,787,337	\$	57,656.03
105	G-52/T-52	High Annual, Low Winter	January	33	1,332,981	0	1,332,981	\$	283,352	\$	8,586.42
106			February	33	1,504,043	0	1,504,043	\$	313,998	\$	9,515.08
107		Rates	March	33	1,376,235	0	1,376,235	\$	291,101	\$	8,821.23
108		Customer	April	33	1,342,269	41,018	1,383,288	\$	289,502	\$	8,772.78
109		\$1,350.00	Мау	33	5,650	1,257,039	1,262,689	\$	183,037	\$	5,546.58
110		Per Therm Summer	June	33	12,462	1,223,757	1,236,219	\$	180,618	\$	5,473.26
111		\$0.1094	July	33	0	1,220,236	1,220,236	\$	178,000	\$	5,393.94
112		Per Therm Winter	August	33	0	1,282,733	1,282,733	\$	184,835	\$	5,601.06
113		\$0.1791	September	33	0	1,416,119	1,416,119	\$	199,423	\$	6,043.11
114		•	October	33	43,229	1,387,409	1,430,639	\$	204,027	\$	6,182.64
115			November	33	1,381,287	28,665	1,409,953	\$	295,141	\$	8,943.66
116			December	33	1,562,138	0	1,562,138	\$	324,405	\$	9,830.46
117					8,560,295	7,856,979	16,417,274	\$	2,927,437	\$	88,710.22
118		Total			54,149,473	20,002,636	74,152,109	\$	47,673,687		

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NORTHERN UTILITIES, INC.

DIRECT TESTIMONY

OF

TIMOTHY S. LYONS

EXHIBIT TSL-1

New Hampshire Public Utilities Commission

Docket No. DG 21-104

0010959

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SCHEDULES:

Schedule TSL-1 – Experience
Schedule TSL-2 – Proposed Revenue Decoupling Adjustment Clause Tariff
Schedule TSL-3 – Full Revenue Decoupling Mechanisms in New England
Schedule TSL-4 – Revenue Per Customer Calculation

1		I. <u>INTRODUCTION</u>
2	Q.	Please state your name, occupation and business address.
3	A.	My name is Timothy S. Lyons. I am a Partner with ScottMadden, Inc. My business
4		address is 1900 West Park Drive, Suite 250, Westborough, Massachusetts 01581.
5		
6	Q.	On whose behalf are you submitting this testimony?
7	A.	I am submitting this testimony on behalf of Northern Utilities, Inc. ("Northern" or
8		the "Company").
9		
10	Q.	Please describe your professional experience.
11	A.	I have more than 30 years of experience in the energy industry. I started my career
12		in 1985 at Boston Gas Company, eventually becoming Director of Rates and
13		Revenue Analysis. In 1993, I moved to Providence Gas Company, eventually
14		becoming Vice President of Marketing and Regulatory Affairs. Starting in 2001, I
15		held a number of management consulting positions in the energy industry first at
16		KEMA and then at Quantec, LLC. In 2005, I became Vice President of Sales and
17		Marketing at Vermont Gas Systems, Inc. before joining Sussex Economic Advisors,
18		LLC ("Sussex") in 2013. Sussex was acquired by ScottMadden in 2016.
19		
20	Q.	What is your educational background?
21	A.	I hold a bachelor's degree from St. Anselm College, a master's degree in Economics
22		from The Pennsylvania State University, and a master's degree in Business

1		Administration from Babson College. A summary of my professional and
2		educational background, including a list of my testimony in prior proceedings, is
3		included in Schedule TSL-1.
4		
5		II. <u>PURPOSE OF TESTIMONY</u>
6	Q.	What is the purpose of your testimony?
7	А.	The purpose of my testimony is to sponsor the Company's proposed revenue
8		decoupling mechanism ("RDM") and associated tariff. The RDM addresses the
9		basic misalignment between the structure of the Company's costs and its rates.
10		Specifically, utility distribution costs are largely fixed and change very little in the
11		short run with changes in usage levels. However, distribution rates have a
12		significant variable, or usage-based, component that changes revenues (and cost
13		recovery) with changes in usage levels. The RDM corrects for this misalignment
14		by adjusting the Company's actual revenues to match its authorized revenues.
15		RDMs have been approved in numerous jurisdictions, including New Hampshire,
16		and are viewed in the industry as important to the development of Energy
17		Efficiency ("EE") initiatives.
18		

- 19 Q. How is the remaining portion of your testimony organized?
- 20 A. The remaining portion of my testimony is organized into the following sections.

1		• Section III provides an overview of revenue decoupling, including the
2		Commission's guidance in the Gas and Electric Utilities Energy Efficiency
3		Resource Standard proceeding ("EERS" proceeding). ¹
4		• Section IV describes the proposed RDM.
5		• Section V illustrates the calculation of the proposed RDM for the residential
6		rate class.
7		• Section VI summarizes the benefits of the proposed RDM.
8		
9		III. OVERVIEW OF REVENUE DECOUPLING
10	Q.	What is revenue decoupling?
11	А.	Revenue decoupling breaks or "decouples" the link between utility revenues and
12		sales volumes, helping to ensure that a utility does not over- or under-recover its
13		authorized revenue requirement. There are two basic forms of revenue decoupling:
14		• Partial or Limited Revenue Decoupling - this type addresses specific
15		variances between actual and authorized revenues, such as the impact of
16		weather or EE. The Company's current Lost Revenue Rate ("LRR") within
17		the Local Delivery Adjustment Charge ("LDAC") is an example of partial
18		or limited revenue decoupling.
19		• Full Revenue Decoupling – this type addresses the total variance between
20		actual and authorized revenues. The Company's proposed RDM is an

¹ Docket DE 15-137

1		example of full revenue decoupling. Variances can be measured on the basis
2		of total revenues, or revenues per customer ("RPC").
3		
4	Q.	Has the Commission approved a revenue decoupling mechanism for New
5		Hampshire gas and electric utilities?
6	A.	Yes. The Commission approved a lost revenue adjustment mechanism ("LRAM"),
7		a partial or limited revenue decoupling mechanism, for all electric and gas utilities
8		in the EERS proceeding, ² noting:
9		"without the LRAM, or a change in the way rates are designed
10		today, the utilities may lose revenue that the Commission has
11		already determined in the utility's rate case is just and reasonable
12		for them to recover. Consequently, we approve the LRAM as
13		proposed." ³
14		In the EERS proceeding, the Commission recognized the limitations of an LRAM
15		and the role a full revenue decoupling mechanism can play in ensuring that the
16		utility does not over- or under-recover its authorized revenue requirement. ⁴
17		The Commission therefore required utilities to seek approval of a revenue
18		decoupling mechanism, stating:

² Docket DE 15-137, Order No 25,932

³ Id., p. 59

⁴ Id., p. 59-60 ("[W]e are mindful that, with an LRAM, the utilities' revenues can increase above their authorized revenue requirements from increased sales, and, for that reason and others, some parties prefer decoupling. This is because decoupling provides a reconciliation to the last-approved revenue requirement.")

1		"We note that our approval of the LRAM does not limit our
2		subsequent consideration and approval at any time of a different lost
3		revenue recovery mechanism, and that the Joint Utilities (except
4		NHEC) are required to seek approval of a decoupling or other lost-
5		revenue recovery mechanism as an alternate to the LRAM in their
6		first distribution rate cases after the first EERS triennium, if not
7		before." ⁵
8		Following the EERS proceeding, the Commission approved full revenue
9		decoupling mechanisms for Liberty Utilities (EnergyNorth Natural Gas)
10		Corporation, ⁶ and Liberty Utilities (Granite State Electric) Corporation. ⁷
11		The Company's proposed RDM is generally consistent with the revenue
12		decoupling mechanism approved for Liberty Utilities (Granite State Electric)
13		Corporation and the revenue decoupling mechanism recently filed by the
14		Company's New Hampshire electric division (Unitil Energy Systems, Inc.) ⁸ .
15		
16	Q.	Please provide an overview of the Company's proposed RDM.
17	A.	The proposed RDM is a full revenue decoupling mechanism that reconciles
18		monthly actual and authorized RPC by rate class. The proposed RDM is applicable
19		to all rate classes. The Company proposes that the authorized RPC be adjusted

 ⁵ Id., p. 60
 ⁶ Docket DE 17-048, Order No. 26,122 at pp. 45-46 ("We applaud Liberty for proposing a decoupling mechanism to replace the LRAM.").

mechanism to replace the LRAM."). ⁷ Docket DE 19-064, Order No. 26,376 at pp. 9, 13 (approving a Settlement Agreement supporting the implementation of a decoupling mechanism).

⁸ Docket DE 21-030.

1	annually to reflect three estimated annual step increases on August 1, 2022 of \$3.1
2	million; August 1, 2023 of \$3.1 million; and August 1, 2024 of \$3.2 million
3	associated with 2021, 2022 and 2023 capital investments.
4	The proposed RDM process will consist of two steps:
5	In the first step, the Company will record monthly variances between actual
6	and authorized RPC for each rate class. The monthly variances are then aggregated
7	over the twelve-month period August through July (the "Measurement Period").
8	The monthly variances are recorded in a deferred account with carrying costs
9	accrued at the Prime rate.9 The aggregate variances and carrying costs form the
10	basis for the revenue decoupling adjustment ("RDA") and the calculation of RDM
11	adjustment factor ("RDAF") (surcharge or credit). For example, revenue surpluses
12	(actual RPC is greater than authorized RPC) during the Measurement Period will
13	result in a credit or refund for the customers. Conversely, revenue shortfalls (i.e.,
14	actual RPC is less than authorized RPC) during the Measurement Period will result
15	in a surcharge to the customers.
16	In the second step, the Company will file with the Commission the
17	applicable RDAF 45 days in advance of the effective date of November 1. The
18	filing will include an allocation of the RDA, including prior period reconciliation

and deferrals as a result of a cap, to each rate class, and calculation of the RDAF. 19

18

⁹ Interest shall be calculated at the prime rate, with said prime rate to be fixed on a quarterly basis and to be established as reported in the Wall Street Journal on the first business day of the month preceding the calendar quarter. If more than one interest rate is reported, the average of the reported rates shall be used.

1		The RDA is allocated to each rate class based on the authorized revenues of
2		each rate class in the most recent rate case, including step adjustments.
3		The RDAF is calculated as a dollar per therm charge or credit based on the
4		RDA allocated to each rate class divided by the projected therm sales for each rate
5		class over the prospective twelve-month period November through October ("RDM
6		Adjustment Period"). The RDAF will be charged or credited to customer bills
7		during the RDM Adjustment Period.
8		The tariff for the Company's proposed RDM is included in Schedule TSL-
9		2. Upon implementation of its first RDAF, the Company will incorporate the
10		supporting RDAF calculation in its RDAC tariff.
11		
12	Q.	What are the primary benefits of the Company's proposed RDM?
13	А.	There are three primary benefits of the Company's proposed RDM:
14		
		1. It corrects the basic misalignment between utility rates and costs;
15		 It corrects the basic misalignment between utility rates and costs; It supports achievement of certain policy objectives, such as EE initiatives; and
15 16		 It corrects the basic misalignment between utility rates and costs; It supports achievement of certain policy objectives, such as EE initiatives; and It helps stabilize utility cost recovery as well as customer bills.
15 16 17		 It corrects the basic misalignment between utility rates and costs; It supports achievement of certain policy objectives, such as EE initiatives; and It helps stabilize utility cost recovery as well as customer bills.
15 16 17 18	Q.	 It corrects the basic misalignment between utility rates and costs; It supports achievement of certain policy objectives, such as EE initiatives; and It helps stabilize utility cost recovery as well as customer bills. Please discuss the basic misalignment between utility rates and costs.
15 16 17 18 19	Q. A.	 It corrects the basic misalignment between utility rates and costs; It supports achievement of certain policy objectives, such as EE initiatives; and It helps stabilize utility cost recovery as well as customer bills. Please discuss the basic misalignment between utility rates and costs. Gas utilities incur three types of costs in providing natural gas service to customers:
 15 16 17 18 19 20 	Q. A.	 It corrects the basic misalignment between utility rates and costs; It supports achievement of certain policy objectives, such as EE initiatives; and It helps stabilize utility cost recovery as well as customer bills. Please discuss the basic misalignment between utility rates and costs. Gas utilities incur three types of costs in providing natural gas service to customers: <u>Customer costs</u> – including meter, billing and a portion of distribution costs

1	•	<u>Demand-related costs</u> – including transmission and distribution costs that
2		generally vary by demand; and

• <u>Commodity-related costs</u> – including variable Operating and Maintenance expenses that generally vary by therm sales or natural gas consumed.

5 Utility revenue requirements and rates are designed to recover all of these costs. 6 However, especially for residential customers, a significant portion of the revenue 7 requirements are recovered on the basis of consumption charges reflecting usage at 8 the time rates are established (i.e., rates are set based on an assumed level of usage). 9 Thus, to the extent that actual usage is significantly lower than the assumed level 10 of usage in rates, the utility rates no longer recover the authorized revenue 11 requirements. Conversely, to the extent that actual usage is significantly higher 12 than the assumed level of usage in rates, then utility rates recover more than the 13 authorized revenue requirements.

- 14 Revenue decoupling corrects for this misalignment by adjusting revenues15 to match the authorized revenue requirements.
- 16

3

4

17 Q. Has the Commission recognized this misalignment between utility rates and 18 costs?

A. Yes. In the EERS proceeding, the Commission noted this misalignment in thecontext of energy savings due to EE programs. The Commission stated: "With

increased energy savings comes decreased utility revenues due to standard rate
 design, which recovers costs through a variable, or consumption-based, rate."¹⁰
 Q. Do the Company's current rates exhibit this misalignment between utility
 costs and rates?
 A. Yes. The portion of the Company's charges that are based on consumption (therm
 sales) is significant, as shown in Figure 1.



Figure 1: Consumption Revenues as Percentage of Total Revenues¹¹

9

8

10 The Figure shows that a significant portion of the Company's residential and 11 commercial distribution revenues are recovered through usage (therms). For

¹⁰ Docket DE 15-137, Order No 25,932, p. 59

¹¹ Source: Settlement Agreement in Docket DG 17-070, Exhibit 2.

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 ¹² National Action Plan for Energy Efficiency (2007): Aligning Utility Incentives with Investment in Energy Efficiency, at p. ES-3
 ¹³ Docket DG 19-145, Order No 26,306 at p. 7.

1	flouris	sh, the use of decoupling needs to be expanded so that utilities can recover
2	their	fixed costs even if sales decline."14 Moreover, the benefits of revenue
3	decou	pling are recognized in regulatory jurisdictions throughout the U.S. Full
4	reven	ue decoupling is currently in effect in 22 jurisdictions, including New
5	Hamp	oshire. In New England, full revenue decoupling is currently in effect for 20
6	of 26	electric and gas utilities, as shown in Schedule TSL-3. ¹⁵
7		
8		
9	IV. <u>N</u>	ORTHERN'S PROPOSED REVENUE DECOUPLING MECHANISM
10	Q. What	are the key features of the Company's proposed RDM?
11	A. There	are seven key features of the Company's proposed RDM discussed in this
12	sectio	n, including:
13	1.	Type of RDM
14	2.	Revenue Adjustments
15	3.	Applicable Rate Classes
16	4.	Deferred Account
17	5.	Class Allocation
18	6.	Factor Calculation
19	7.	Adjustment Cap

1 **1.** <u>Type of RDM</u>

2 Q. What type of RDM is the Company proposing?

A. The Company's proposed RDM is a full revenue decoupling mechanism. The proposed RDM reconciles monthly variances between actual and authorized RPC for each rate class. As discussed earlier, full revenue decoupling better accomplishes the Commission's policy objective to severe the link between volumes and revenues, providing a greater incentive to pursue energy efficiency, as compared to partial or limited revenue decoupling.

9

10 Q. What is the primary benefit of the proposed RPC approach?

11 A. The primary benefit of the proposed RPC approach is the recognition of new 12 customer revenues. The Company expects to add new customers and incur 13 incremental costs to serve new customers during the term of the RDM. The 14 incremental costs are related to providing new customers with access to the 15 distribution system and meeting their demand requirements. Under the RPC 16 approach, the Company retains the RPC associated with serving new customers that 17 is used to offset the costs associated with new customers.

By comparison, under a total revenue approach, the Company does not retain incremental revenues to offset the incremental costs, creating an adverse financial impact when adding new customers.

21

1

2. <u>Revenue Adjustments</u>

2 Q. Is the Company proposing annual adjustments to the authorized RPC?

A. Yes. The Company proposes that the authorized RPC be adjusted annually to reflect
three estimated step increases on August 1, 2022 of \$3.1 million, August 1, 2023
of \$3.1 million, and August 1, 2024 of \$3.2 million associated with the 2021, 2022
and 2023 capital investments, as discussed in the testimony of Company witnesses
Messrs. Christopher Goulding and Daniel Nawazelski.

8 Schedule TSL-4 shows derivation of the authorized RPC for the first step 9 increase on August 1, 2022. Specifically, the Schedule shows the authorized RPC 10 is based on the authorized revenues divided by the number of customers included 11 in the authorized rate design. The authorized revenues are based on the target 12 distribution revenues plus the step increase.

For example, the authorized RPC in August 2022 for the residential heating class of \$40.49 is based on the authorized revenues of \$51,687 divided by the number of customers included in the authorized rate design of 1,277. The authorized revenues of \$51,687 are based on the target distribution revenues of \$48,504 plus the 2022 step increase of \$3,183.

18

19 Q. Why is the Company proposing the annual adjustments?

A. The Company proposes the annual adjustments to align the authorized revenue
requirements with the authorized RPC. In other words, as the Company's

1		authorized revenue requirement increases as a result of the step increases, the
2		Company's authorized RPC should similarly increase.
3		
4		3. <u>Applicable Rate Classes</u>
5	Q.	What rate classes would the proposed RDM apply to?
6	A.	The Company proposes that the RDM be applicable to the Company's Residential
7		Heating and Non-Heating Service (Schedules R-5 and R10 combined, and R-6),
8		Commercial and Industrial Service (Schedules G-40, G-50, G-41, G-42, G-51, and
9		G-52) customer classes. The revenues associated with special contracts will not be
10		included as part of the RDM.
11		
12		4. <u>Deferred Account</u>
12 13	Q.	4. <u>Deferred Account</u> Is the Company proposing to establish a deferred account to record variances
12 13 14	Q.	 <u>Deferred Account</u> Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM?
12 13 14 15	Q. A.	 4. <u>Deferred Account</u> Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM? Yes. The Company proposes to establish a deferred account to record monthly
12 13 14 15 16	Q. A.	 4. <u>Deferred Account</u> Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM? Yes. The Company proposes to establish a deferred account to record monthly variances between actual and authorized RPC. The monthly variances will be
12 13 14 15 16 17	Q. A.	 4. Deferred Account Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM? Yes. The Company proposes to establish a deferred account to record monthly variances between actual and authorized RPC. The monthly variances will be calculated by rate class and then recorded in a deferred account with carrying costs
12 13 14 15 16 17 18	Q. A.	 4. Deferred Account Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM? Yes. The Company proposes to establish a deferred account to record monthly variances between actual and authorized RPC. The monthly variances will be calculated by rate class and then recorded in a deferred account with carrying costs at the Prime rate.
12 13 14 15 16 17 18 19	Q. A.	4. Deferred Account Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM? Yes. The Company proposes to establish a deferred account to record monthly variances between actual and authorized RPC. The monthly variances will be calculated by rate class and then recorded in a deferred account with carrying costs at the Prime rate. The aggregate monthly variances and carrying costs form the basis for the
12 13 14 15 16 17 18 19 20	Q. A.	4. Deferred Account Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM? Yes. The Company proposes to establish a deferred account to record monthly variances between actual and authorized RPC. The monthly variances will be calculated by rate class and then recorded in a deferred account with carrying costs at the Prime rate. The aggregate monthly variances and carrying costs form the basis for the RDA and the calculation of RDAF (surcharge or credit). For example, revenue
12 13 14 15 16 17 18 19 20 21	Q. A.	4. Deferred Account Is the Company proposing to establish a deferred account to record variances between actual and authorized RDM? Yes. The Company proposes to establish a deferred account to record monthly variances between actual and authorized RPC. The monthly variances will be calculated by rate class and then recorded in a deferred account with carrying costs at the Prime rate. The aggregate monthly variances and carrying costs form the basis for the RDA and the calculation of RDAF (surcharge or credit). For example, revenue surpluses (i.e., actual RPC greater than authorized RPC) during the Measurement

actual RPC less than authorized RPC) during the Measurement Period will result
 in a surcharge to customers.

3

4 Q. What is the proposed process to establish the RDAF?

5 A. The Company proposes to file with the Commission the applicable RDAF 45 days 6 before the effective date of November 1. The filing will include an allocation of 7 the RDA to each rate class, and the calculation of the RDAF. The RDA is allocated 8 to each rate class based on the authorized revenues of each rate class in the most 9 recent rate case, including step adjustments. The RDAF will be calculated as a 10 dollar per therm charge or credit based on the RDA allocated to each rate class 11 divided by the projected therm sales for each rate class over the RDM Adjustment 12 Period (prospective 12-month period November through October). The RDAF will 13 be charged or credited to customer bills during the RDM Adjustment Period. The 14 RDM process will follow the schedule below.

Dates	Activity
August 1 through July 31	Measure and record monthly in a deferred account the revenue variances between actual and authorized RPC
On or about September 17 (45 days before November 1)	File with the Commission the RDAF based on the aggregate monthly revenue variances and monthly carrying costs on the deferred account balances
November 1 through October 31	Apply the RDAF to customer bills

15

16 5. <u>Class Allocation</u>

1	Q.	How will the revenue decoupling adjustment be allocated to each rate class?
2	A.	The RDA will be allocated to each rate class based on the proportion of authorized
3		revenues in the most recent rate case, including step adjustments.
4		
5		6. <u>Factor Calculation</u>
6	Q.	How will the RDAF be calculated?
7	A.	The RDAF will be calculated on a dollar per therm basis for each rate class based
8		on the RDA allocated to each rate class divided by the projected class therm sales
9		for the RDM Adjustment Period (November through October). The RDAF will be
10		applied to customer bills during the RDM Adjustment Period.
11		
12		7. <u>Adjustment Cap</u>
13	Q.	Is the Company proposing any adjustment cap?
14	A.	Northern proposes to limit the RDA to two- and one-half percent (2.5%) of total
15		revenues from delivered sales for the most recent twelve-month period, August
16		through July, with revenue for externally supplied customers being adjusted by
17		imputing the Company's cost of gas charges for that period. To help mitigate
18		customer bill impacts, the cap would be applicable only to revenue shortfalls.
19		Under-recovered revenues in excess of the adjustment cap would be held in the
20		deferred account with carrying costs and included in the next RDAF filing.
21		

1 V. <u>ILLUSTRATIVE CALCULATION OF DECOUPLING MECHANISM</u>

2 Q. How will the Company implement the proposed RDM?

3 A. As explained above, the proposed RDM process consists of two steps:

4 In the first step, the Company calculates the monthly variances between 5 actual and authorized RPC for each rate class. The variances are calculated monthly 6 and then aggregated over the twelve-month period August through July (the 7 Measurement Period). The monthly variances are recorded in a deferred account 8 with carrying costs accrued at the Prime rate. The aggregate variances and carrying 9 costs form the basis for the RDA and the calculation of RDAF (surcharge or credit). 10 For example, if the Company experiences a revenue surplus (actual revenues are 11 greater than authorized revenues) during the Measurement Period, the RDM will 12 result in a credit or refund to customers. Conversely, if the Company experiences 13 a revenue shortfall (actual revenues are less than authorized revenues) during the 14 Measurement Period, the RDM will result in a surcharge for customers.

In the second step, the Company files with the Commission the applicable RDAF 45 days before the effective date of November 1. The filing will include an allocation of the RDA to each rate class, and calculation of the RDAF. The RDA is allocated to each rate classes based on the authorized revenues of each rate class in the most recent rate case, including step adjustments. The RDAF will be calculated as a dollar per therm charge or credit based on the RDA allocated to each rate class divided by the projected therm sales for each rate class over the RDM Adjustment 1 Period (twelve-month period November through October). The RDAF will be

charged or credited to customer bills during the RDM Adjustment Period.

3

2

4

Q. Please illustrate the first step.

A. In the first step, the Company will calculate monthly variances between actual and
authorized RPC for each rate class, as illustrated for the residential rate class in
Figure 2 (below).

8 9

Figure 2: Monthly Residential Heating Revenue Variance Calculation (Illustrative)¹⁶

Illustrative Calculation	Actual	Residential Hea	ting			Authoriz	ed Residential H	eating		Variance Over /	(Under)
Variance Over / (Under)	Revenues	Customers		RPC		Revenues	Customers		RPC	RPC	Revenues
August	\$ 1,081,951	27,217	Ş	39.75	Ş	1,076,569	26,815	\$	40.15	\$ (0.40) \$	(10,766)
September	1,283,256	27,217		47.15		1,276,871	26,815		47.62	(0.47)	(12,769)
October	1,775,342	27,217		65.23		1,766,509	26,815		65.88	(0.65)	(17,665)
November	2,635,287	27,217		96.82		2,622,176	26,815		97.79	(0.96)	(26,222)
December	3,694,761	27,217		135.75		3,676,379	26,815		137.10	(1.35)	(36,764)
January	4,118,742	27,217		151.33		4,098,251	26,815		152.84	(1.51)	(40,983)
February	3,747,792	27,217		137.70		3,729,146	26,815		139.07	(1.37)	(37,291)
March	3,287,159	27,217		120.78		3,270,805	26,815		121.98	(1.20)	(32,708)
April	2,260,725	27,217		83.06		2,249,478	26,815		83.89	(0.83)	(22,495)
May	1,663,286	27,217		61.11		1,655,011	26,815		61.72	(0.61)	(16,550)
June	1,238,872	27,217		45.52		1,232,709	26,815		45.97	(0.45)	(12,327)
July	1,054,859	27,217		38.76		1,049,611	26,815		39.14	(0.39)	(10,496)
12ME July	\$ 27,842,031	326,604			\$	27,703,514	321,778			ş	(277,035)

The Figure shows a four-phase process for each month assuming a 1.00 percent reduction in average revenue per customer for the residential sector. In the first phase, the Company calculates the authorized RPC per month by dividing the authorized monthly revenues by authorized monthly number of customers. In the second phase, the Company calculates the actual monthly RPC by dividing the actual revenues by the actual number of customers. In the third phase, the Company calculates the monthly variances between the actual and authorized RPC. In the

¹⁶ The illustrative calculation assumes a 1.00 percent reduction in revenue per customer each month

final phase, the Company calculates the monthly revenue variance by multiplying
 the RPC variance with the actual number of customers.

The monthly revenue variances will be recorded in a deferred account with carrying costs accrued through the year at Prime rate, as illustrated for the residential rate class in Figure 3 (below).

6

Figure 3: Deferred Account Balance (Illustrative)¹⁷

Illustrative	Deferred A	ccount	Revenue	Carrying	Carrying	Deferred Account
Deferred Account Balance	🕫 Starting B	alance	Variance	Costs Rate	Costs	Ending Balance
August	\$	-	\$ (10,766)	0.27%	\$ (15)	\$ (10,780)
September	(1	0,780)	\$ (12,769)	0.27%	(46)	\$ (23,595)
October	(2	3,595)	\$ (17,665)	0.27%	(88)	\$ (41,348)
November	(4	1,348)	\$ (26,222)	0.27%	(147)	\$ (67,718)
December	(6	7,718)	\$ (36,764)	0.27%	(233)	\$ (104,715)
January	(10	4,715)	\$ (40,983)	0.27%	(339)	\$ (146,036)
February	(14	6,036)	\$ (37,291)	0.27%	(446)	\$ (183,774)
March	(18	3,774)	\$ (32,708)	0.27%	(542)	\$ (217,024)
April	(21	7,024)	\$ (22,495)	0.27%	(618)	\$ (240,137)
May	(24	0,137)	\$ (16,550)	0.27%	(673)	\$ (257,360)
June	(25	7,360)	\$ (12,327)	0.27%	(714)	\$ (270,400)
July	(27	0,400)	\$ (10,496)	0.27%	(747)	\$ (281,643)
August	(28	1,643)		0.27%	(763)	\$ (282,406)
September	(28	2,406)		0.27%	(765)	\$ (283,171)
October	(28	3,171)		0.27%	(767)	\$ (283,938)
Total			\$ (277,035)		\$ (6,903)	\$ (283,938)

9

The Figure shows that carrying costs of \$6,903 will be accumulated through the

year at the assumed Prime Rate. The aggregate monthly variances and carrying

10 costs form the basis for the RDA and the calculation of RDAF surcharge or credit

11 depending on the revenue variances.¹⁸

12

13 Q. Please discuss the second step in calculating the RDM adjustment.

⁷ 8

¹⁷ The illustrative calculation assumes a Prime Rate of 3.25 percent, or 0.2708 percent monthly

¹⁸ The illustrative calculation shows RDA based on 12 months' ending July balance. However, the Company's proposed RDA filed will also include estimated carrying costs through October 31.

A. In the second step, the Company will file the applicable RDAF based on the RDA
 for the Measurement Period. The filing will include allocation of the RDA to rate
 classes, and calculation of the RDAF.
 The RDA will be allocated to each rate class based on each class's

The RDA will be allocated to each rate class based on each class's authorized revenues, including step adjustments, as shown in Figure 4 (below).

6

5

Figure 4: Decoupling Adjustment Allocation (Illustrative)¹⁹

Illustrative Revenue	/ P	Authorized	Authorized	Allocated RDA (\$)
Decoupling Adjustment	N	evenues (\$)	Revenues (%)	Allocated KDA (\$)
Residential Non-Heating (R-6)	Ş	737,886	1.45%	\$ (4,112)
Residential Heating (R-5/R-10)		27,702,514	54.37%	(154,385)
C&I Low Annual, High Winter (G-40)		8,274,293	16.24%	(46,112)
C&I Low Annual, Low Winter (G-50)		1,201,344	2.36%	(6,695
C&I Medium Annual, High Winter (G-41)		6,421,989	12.60%	(35,790)
C&I Medium Annual, Low Winter (G-51)		1,638,520	3.22%	(9,131
C&I High Annual, High Winter (G-42)		1,895,204	3.72%	(10,562)
C&I High Annual, Low Winter (G-52)		3,077,325	6.04%	(17,150)
Total	\$	50,949,076	100.00%	\$ (283,938

7

8

The Figure shows that the Residential Heating class revenues are 54.37 percent of

9 total Company revenues. Accordingly, the deferred account balance allocated to

10 the Residential Heating class is \$154,385.

11 The allocated RDA forms the basis for the calculation of RDAF for each

12 rate class, as shown in Figure 5 (below).

¹⁹ The RDA will be allocated to each rate class based on each class's authorized revenues. For illustrative purpose, Figure 4 currently shows the Company's proposed revenues plus 2022 step increase in the 'Authorized Revenues (\$)' column. The illustrative deferred account balance assumes that only the Residential class experienced a revenue change.

		Illustrative Revenue	Charge	/ (Refund)	Adjusted Test	Charge/ (Refund)						
		Decoupling Adjustment		(\$)	Year Sales	(\$/therm)						
		Residential Non-Heating (R-6)	Ş	4,112	237,269	\$ 0.0173						
		Residential Heating (R-5/R-10)		154,385	20,067,257	0.0077						
		C&I Low Annual, High Winter (G-40)		46,112	10,880,833	0.0042						
		C&I Low Annual, Low Winter (G-50)		6,695	1,474,573	0.0045						
		C&I Medium Annual, High Winter (G-41)		35,790	14,423,832	0.0025						
		C&I Medium Annual, Low Winter (G-51)		9,131	4,761,300	0.0019						
		C&I High Annual, High Winter (G-42)		10,562	5,889,772	0.0018						
		C&I High Annual, Low Winter (G-52)		17,150	16,417,274	0.0010						
		Total	\$	283,938	74,152,109							
2												
3		The Figure shows that the RDAF for	or the R	esidential	Heating class	will be						
4		\$0.0077 per therm. The adjustment	factor v	vould be i	mplemented of	on customer						
5		bills during the November through October RDM Adjustment Period.										
6												
7	Q.	Please describe how the RDAF will	ll appe	ar on cus	tomer bills.							
8	A.	For billing purposes, the Company	y plans	to add tl	he RDAF to	the Distribution						
9		Charge component.										
10												
11	Q.	Is the proposed RDM subject to re	econcil	iation?								
12	A.	Yes. As described in Section 7.0 of	of the j	proposed	tariff, the RD	M is subject to						
13		reconciliation. Specifically, the actu	ual reve	enues rece	ived by the Co	ompany through						
14		application of the RDAF to custom	ner bills	s is recon	ciled to the R	DM adjustment						
15		amount.										
16												
17	Q.	Does this conclude your direct test	timony	?								

Figure 5: Calculation of RDAF (Illustrative)

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1 A. Yes, it does.

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Attachment 3 Page 1 of 1

Northern Utilities, Inc. New Hampshire Division Revenue Decoupling Analysis

	APPROVED RPC'S											ACTUALS						
-	Residential Commercial and Industrial							-	Residential Commercial and Industrial					ustrial				
-	R6	R5-R10	G40	G50	G41	G51	G42	G52			R6	R5-R10	G40	G50	G41	G51	G42	G52
August 2022	1,277	26,815	5,234	831	704	267	31	33	August 2022		1,320	27,563	4,906	837	671	267	30	34
September 2022	1,277	26,815	5,234	831	704	267	31	33	September 2022		1,335	27,516	5,047	856	673	270	30	34
October 2022	1,277	26,815	5,234	831	704	267	31	33	October 2022		1,325	27,600	5,089	836	691	278	30	34
November 2022	1,277	26,815	5,234	831	704	267	31	33	November 2022		1,278	27,755	5,224	822	690	279	30	34
December 2022	1,277	26,815	5,234	831	704	267	31	33	December 2022		1,251	27,903	5,285	817	690	280	30	33
January 2023	1,277	26,815	5,234	831	704	267	31	33	January 2023		1,227	28,030	5,337	809	695	278	29	36
February 2023	1,277	26,815	5,234	831	704	267	31	33	February 2023		1,245	28,033	5,341	805	698	277	29	36
March 2023	1,277	26,815	5,234	831	704	267	31	33	March 2023		1,196	28,138	5,356	811	701	278	29	36
April 2023	1,277	26,815	5,234	831	704	267	31	33	April 2023		1,202	28,091	5,358	811	702	278	29	36
May 2023	1,277	26,815	5,234	831	704	267	31	33	May 2023		1,227	28,154	5,197	819	699	278	29	37
June 2023	1,277	26,815	5,234	831	704	267	31	33	June 2023		1,241	27,971	5,207	834	702	279	29	37
July 2023	1,277	26,815	5,234	831	704	267	31	33	July 2023		1,257	27,997	5,167	839	693	279	29	37
									Average Customers	-	1,259	27,896	5,210	825	692	277	29	35
									Change from Approved		(18)	1,081	(25)	(7)	(12)	10	(2)	2
August 2022	\$ 34.05 \$	32.44 \$	84.08 \$	108.68 \$	318.36 \$	411.52 \$	2,641.02 \$	5,431.42	August 2022	\$	34.05 \$	32.44 \$	84.08 \$	108.68 \$	318.36 \$	411.52 \$	2,641.02 \$	5,431.42
September 2022	36.27	40.58	91.05	111.56	386.39	428.43	2,986.26	6,054.77	September 2022		36.27	40.58	91.05	111.56	386.39	428.43	2,986.26	6,054.77
October 2022	39.61	59.28	106.81	111.54	564.56	456.07	4,054.95	6,194.65	October 2022		39.61	59.28	106.81	111.54	564.56	456.07	4,054.95	6,194.65
November 2022	46.26	91.96	134.15	115.99	841.30	504.61	5,427.24	8,962.53	November 2022		46.26	91.96	134.15	115.99	841.30	504.61	5,427.24	8,962.53
December 2022	55.23	132.22	168.98	124.42	1,159.60	569.52	6,897.34	9,851.53	December 2022		55.23	132.22	168.98	124.42	1,159.60	569.52	6,897.34	9,851.53
January 2023	57.91	148.33	182.83	127.04	1,278.48	589.36	7,801.39	8,604.40	January 2023		57.91	148.33	182.83	127.04	1,278.48	589.36	7,801.39	8,604.40
February 2023	53.38	134.23	170.49	123.47	1,160.86	561.25	7,127.11	9,535.37	February 2023		53.38	134.23	170.49	123.47	1,160.86	561.25	7,127.11	9,535.37
March 2023	49.97	116.73	154.74	118.57	1,012.75	543.47	6,529.00	8,839.80	March 2023		49.97	116.73	154.74	118.57	1,012.75	543.47	6,529.00	8,839.80
April 2023	42.95	77.73	121.80	106.59	684.19	470.36	4,981.99	8,791.23	April 2023		42.95	77.73	121.80	106.59	684.19	470.36	4,981.99	8,791.23
May 2023	40.08	55.02	102.87	107.52	506.97	458.98	3,636.48	5,557.01	May 2023		40.08	55.02	102.87	107.52	506.97	458.98	3,636.48	5,557.01
June 2023	36.32	38.90	89.45	108.83	372.73	433.83	2,887.68	5,483.51	June 2023		36.32	38.90	89.45	108.83	372.73	433.83	2,887.68	5,483.51
July 2023	34.65	31.90	83.65	110.39	314.49	422.00	2,685.58	5,403.99	July 2023		34.65	31.90	83.65	110.39	314.49	422.00	2,685.58	5,403.99
Total Annual RPC	\$ 526.68 \$	959.32 \$	1,490.90 \$	1,374.60 \$	8,600.68 \$	5,849.41 \$	57,656.03 \$	88,710.22	Total Annual RPC	\$	526.68 \$	959.32 \$	1,490.90 \$	1,374.60 \$	8,600.68 \$	5,849.41 \$	57,656.03 \$	88,710.22
August 2022	\$ 43,469 \$	869,904 \$	440,087 \$	90,360 \$	224,198 \$	109,671 \$	81,872 \$	179,237	August 2022	\$	44,944 \$	894,177 \$	412,481 \$	90,961 \$	213,617 \$	109,877 \$	79,231 \$	184,668
September 2022	46,303	1,088,212	476,581	92,761	272,107	114,176	92,574	199,807	September 2022		48,417	1,116,669	459,524	95,498	260,039	115,676	89,588	205,862
October 2022	50,573	1,589,617	559,090	92,744	397,580	121,543	125,703	204,424	October 2022		52,486	1,636,165	543,566	93,250	390,109	126,788	121,648	210,618
November 2022	59,063	2,465,848	702,206	96,439	592,474	134,480	168,244	295,764	November 2022		59,123	2,552,307	700,820	95,341	580,499	140,787	162,817	304,726
December 2022	70,512	3,545,385	884,496	103,454	816,630	151,778	213,818	325,101	December 2022		69,093	3,689,265	893,058	101,654	800,125	159,467	206,920	325,101
January 2023	73,940	3,977,396	956,985	105,625	900,348	157,065	241,843	283,945	January 2023		71,061	4,157,646	975,755	102,771	888,543	163,842	226,240	309,758
February 2023	68,151	3,599,421	892,398	102,664	817,515	149,574	220,941	314,667	February 2023		66,459	3,762,944	910,583	99,396	810,279	155,467	206,686	343,273
March 2023	63,797	3,130,064	809,936	98,583	713,215	144,835	202,399	291,713	March 2023		59,765	3,284,521	828,762	96,157	709,941	151,085	189,341	318,233
April 2023	54,833	2,084,192	637,525	88,627	481,829	125,352	154,442	290,111	April 2023		51,625	2,183,386	652,587	86,445	480,301	130,761	144,478	316,484
May 2023	51,166	1,475,440	538,468	89,401	357,024	122,317	112,731	183,381	May 2023		49,174	1,549,127	534,628	88,060	354,371	127,595	105,458	205,609
June 2023	46,376	1,042,988	468,212	90,489	262,492	115,614	89,518	180,956	June 2023		45,079	1,087,960	465,767	90,764	261,660	121,037	83,743	202,890
July 2023	44,233	855,490	437,868	91,788	221,474	112,462	83,253	178,332	July 2023		43,550	893,206	432,236	92,620	217,942	117,737	77,882	199,948
Total Revenue	\$ 672,416 \$	25.723.957 \$	7 803 851 \$	1 142 936 \$	6 056 886 \$	1 558 867 \$	4 707 227 €	0.007.407 6 47.070.007	Total Devenue		000 770 8	26 907 274 €	7 900 766 \$	4 4 2 2 0 4 9 6	E 067 425 \$	1 620 110 6	1 604 022 6	2 4 27 4 74

New Customer Growth (Decay) \$ (11,640) \$ 1,083,417 \$ 5,915 \$ (10,018) \$ (89,461) \$ 61,252 \$ (93,305) \$ 199,734 \$ 1,145,894

DOE Position:			
Approved	\$ 47,673,687	Allowed Revenue	\$ 48,819,581 CC * RPC
Actual Revenue	 44,506,322	Actual Revenue	\$ 44,506,322
Difference	\$ (3,167,365)	Decoupling Adj (Under)/Over	\$ (4,313,259)

Disallow Difference \$ (1,145,894) Change in Revenue Associated with Customer Growth