

UNITIL ENERGY SYSTEMS, INC.

**DIRECT TESTIMONY OF
LINDA S. MCNAMARA**

New Hampshire Public Utilities Commission

Docket No. DE 24-___

May 24, 2024

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LIST OF SCHEDULES

- Schedule LSM-1: RDAC Rate Calculation and Reconciliation**
- Schedule LSM-2: Comparison of Actual To Test Year Data**
- Schedule LSM-3: Class Bill Impacts**
- Schedule LSM-4: Redline Tariffs**

1 **I. INTRODUCTION**

2 **Q. Please state your name and business address.**

3 A. My name is Linda S. McNamara. My business address is 6 Liberty Lane West,
4 Hampton, New Hampshire 03842.

5

6 **Q. For whom do you work and in what capacity?**

7 A. I am a Senior Regulatory Analyst for Unitil Service Corp. ("USC"), which
8 provides centralized management and administrative services to all Unitil
9 Corporation's affiliates including Unitil Energy Systems, Inc. ("UES").

10

11 **Q. Please describe your business and educational background.**

12 A. I joined USC in June 1994 after earning my Bachelor of Science Degree in
13 Mathematics from the University of New Hampshire. Since that time, I have
14 been responsible for the preparation of various regulatory filings, price analysis,
15 and tariff changes.

16

17 **Q. Have you previously testified before the New Hampshire Public Utilities
18 Commission ("Commission")?**

19 A. Yes.

20

1 **II. PURPOSE OF TESTIMONY**

2 **Q. What is the purpose of your testimony in this proceeding?**

3 **A.** The purpose of my testimony is to present and explain the proposed Revenue
4 Decoupling Adjustment Factor (“RDAF”) for effect August 1, 2024. My
5 testimony will describe the rate calculations, reconciliation, and development of
6 the Revenue Decoupling Adjustment (“RDA”).

7
8 **Q. What type of support have you provided for the proposed rate change?**

9 **A.** This filing includes schedules detailing the development of the RDA and RDAF.
10 In addition, I have also submitted schedules comparing actual to test year data,
11 bill impacts associated with this proposed change, and redline changes to tariffs as
12 a result of this proposal.

13

14 **III. REVENUE DECOUPLING**

15 **Q. Please provide a brief description of revenue decoupling.**

16 **A.** Revenue decoupling is a ratemaking mechanism that is designed to break the link
17 between a utility’s sales and revenues. By eliminating the link between customer
18 usage and company earnings, revenue decoupling removes the disincentive for
19 utilities to promote conservation and energy efficiency programs. Revenue
20 decoupling allows a utility to recover its base revenue requirement approved in its
21 most recent base rate case, or similar proceeding, despite changes in sales which

1 may be the result of factors such as increased customer conservation, net
2 metering, weather, or economic conditions.

3

4 **Q. As a result of revenue decoupling, does UES still determine and record lost**
5 **base revenue (“LBR”) and/or displaced distribution revenue?**

6 **A.** Effective June 1, 2022, the effective date of UES’s Revenue Decoupling
7 Adjustment Clause (“RDAC”), UES stopped accruing LBR associated with
8 energy efficiency savings. Up until that time, through May 31, 2022, UES
9 accrued LBR associated with energy efficiency savings, with collection occurring
10 through the Systems Benefits Charge.

11

12 Similarly, also effective June 1, 2022, UES no longer calculates displaced
13 distribution revenue which it recovered through its External Delivery Charge
14 (“EDC”) each year, subject to review and approval by the Commission. The
15 Company’s last EDC, in DE 23-057, included the last displaced distribution
16 revenue determination, recognizing impacts through May 31, 2022.

17

18 **Q. Please explain the basis for UES’s RDAC.**

19 **A.** The RDAC provides for an adjustment to rates by comparing actual and allowed
20 revenues based on a revenue per customer (“RPC”) methodology. This
21 methodology was approved as part of the Settlement Agreement in UES’s last
22 base rate case, DE 21-030.

1

2 **IV. RETAIL RATE CALCULATIONS**

3 **Q. What are the proposed RDAF?**

4 A. In accordance with its tariff, UES has calculated three RDAF, applicable to its 1)
5 residential domestic (D) and domestic time-of-use customers (TOU-D) customers,
6 2) its Regular General G2, G2 kWh Meter, and Quick Recovery Water Heating
7 and Space Heating customers, and 3) Large General Service - G1 customers. As
8 shown on Schedule LSM-1, Page 1, the proposed residential class RDAF is a
9 charge of \$0.00212 per kWh. The proposed Regular General service class RDAF
10 is a credit of \$0.00137 per kWh. The proposed Large General Service class
11 RDAF is a charge of \$0.00005 per kWh. These factors are proposed to take effect
12 August 1, 2024.

13

14 **Q. How do the proposed RDAF compare to the current RDAF?**

15 A. The proposed RDAF for the residential classes is an increase of \$0.00026 per
16 kWh, while the proposed RDAF is a decrease of \$0.00135 per kWh for the
17 general service classes and a decrease of \$0.00009 per kWh for the large general
18 service class.

19

20 **Q. Please describe the calculation of the RDAF.**

21 A. Schedule LSM-1, Page 1 provides the details regarding the proposed RDAF for
22 the period August 1, 2024 through July 31, 2025. For each customer group, UES

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1 determined the amount to be collected or credited over this period by summing
2 the beginning balance as of April 1, 2023, the total of the monthly revenue
3 variances (“MRV”) calculated over the measurement period of April 1, 2023
4 through March 31, 2024, the total collections/(credits) associated with the current
5 RDAF, and carrying charges through July 2025. The total of these amounts,
6 shown on Line 5, was compared to the Revenue Decoupling Adjustment Cap (the
7 “cap”) and amounts eligible for collection were divided by estimated kWh sales
8 for the rate period in order to calculate the proposed RDAF.

9

10 **Q. What is the cap and how is it calculated?**

11 **A.** The cap is intended to limit the impact of the RDAF on customer bills and is
12 applicable to both over- and under-recoveries. It is calculated by taking three
13 percent of actual distribution revenues, for each Customer Group, over the
14 measurement period, April 2023 through March 2024. The calculation of the cap
15 for the current period is provided in the bottom section of Schedule LSM-1, Page
16 5.

17

18 **Q. Are any of the three Customer Group RDAF calculations impacted by the**
19 **cap?**

20 **A.** Yes. As shown on Schedule LSM-1, Page 1, line 5, the total RDA for the
21 domestic group is (\$2,214,569), due to actual base revenue per customer being
22 less than the authorized base revenue per customer. The cap for this group

1 however was determined to be, plus or minus, \$1,070,391, resulting in a deferral
2 of (\$1,144,178). In accordance with its tariff, to the extent the application of the
3 cap results in a RDA that is less than the total RDA for the period, the difference
4 will be deferred with carrying charges and included for recovery in the subsequent
5 RDAF filing.

6

7 **Q. Has UES provided a reconciliation of the RDA and associated RDAF**
8 **revenues/(credits)?**

9 **A.** The reconciliation of the RDA and estimated RDAF revenues are provided on
10 Schedule LSM-1, Pages 2, 3, and 4. Page 2 provides the reconciliation for the
11 residential class. Page 3 provides the reconciliation for the Regular General service
12 class. Page 4 provides the reconciliation for the Large General Service class. These
13 pages include actual data through April 2024 and forecasted data for the remainder
14 of the period.

15

16 **Q. Where can details regarding the determination of the MRV shown in column**
17 **(b) and the Monthly RDAF revenue shown in column (c) of Schedule LSM-1,**
18 **Pages 2, 3 and 4 be found?**

19 **A.** The calculation of the MRV by customer class, during the period April 2023-
20 March 2024, are provided on Schedule LSM-1, Page 5. Schedule LSM-1, Page 7,
21 provides the RDAF revenues for the August 2023-July 2024 and August 2024-
22 July 2025 periods.

1

2 **Q. Please describe how the MRV was determined.**

3 A. In accordance with its tariff, the MRV was determined each month, April 2023
4 through March 2024, by comparing the actual revenues per customer to the
5 authorized revenues per customer for each customer class that is subject to the
6 Revenue Decoupling Adjustment Clause. The resulting differences by month
7 were summed by class to form the total MRV. The sum of the MRV for classes D
8 and TOU-D form the the total MRV for the domestic group. The sum of the MRV
9 for the G2, G2 kWh Meter, and G2 Quick Recovery Water Heating and Space
10 Heating form the total MRV for the General Service group. The sum of the MRV
11 for the G1 class forms the total MRV for the Large General Service group.

12

13 **Q. Where did the authorized revenues per customer come from?**

14 A. For the months April and May 2023, the approved authorized revenues per
15 customer were filed in DE 22-026, Fourth Revised Schedule CGKS-8 (Monthly
16 RPC), Page 3 of 7, of UES's August 1, 2022 Compliance Filing.

17

18 UES received approval of the authorized revenues per customer for the months
19 beginning June 2023 as part of DE 23-014. The monthly figures were provided
20 on 10b Revised Schedule CGKS-5 (Monthly RPC), Page 3 of 7, filed April 18,
21 2023.

22

1 **Q. How did UES determine the actual revenues per customer?**

2 **A.** The monthly actual revenues per customer were calculated by dividing actual
3 base revenues by actual monthly customer counts. Schedule LSM-1, Page 6,
4 provides details for both of these amounts. As shown, actual base revenues are
5 comprised of actual billed base revenues plus net unbilled revenue. Actual
6 customer counts were calculated by dividing actual customer charge revenue by
7 the effective customer charge. For the residential and G2 General Service classes,
8 adjustments to the customer counts were made to recognize the Riverwoods
9 metering conversion.

10

11 **Q. What is the Riverwoods metering conversion?**

12 **A.** During the course of DE 21-030, UES last base rate case, UES was in the process
13 of exploring a metering conversion at the Riverwoods continuing care retirement
14 community facility in Exeter, NH. The conversion would entail replacing
15 approximately 200 separate residential meters with approximately 3 or 4 G2
16 meters. At the time of preparing and filing DE 21-030, the exact configuration
17 was not known. Because of the conversion and its affect on actual customer
18 counts in comparison to test year customer counts, and consistent with section 4.5
19 of the Settlement Agreement in DE 21-030, UES has adjusted its actual customer
20 counts to account for the change in RiverWoods' metering by adding back the
21 number of residential customers lost and removing the number of G2 customers
22 added as the conversions occurred. As of March 2023, the conversions are

1 complete and therefore the figures shown of 201 related to domestic and (2)
2 related to general service, have remained, and will remain, unchanged.

3

4 **Q. Why has UES included net unbilled revenue in its total actual base revenues**
5 **and how is it determined?**

6 **A.** Net unbilled revenue is included as part of actual base revenues each month in
7 accordance with UES's RDAC tariff. It is calculated by taking the difference in
8 unbilled revenue calculated for the current month less the unbilled revenue
9 calculated for the prior month. Monthly unbilled revenue is determined by
10 multiplying an estimate of unbilled kWh by the actual monthly average base rate.

11

12 **V. COMPARISON OF ACTUAL TO TEST YEAR DATA**

13 **Q. Do you have information comparing test year data to the most recent**
14 **measurement period?**

15 **A.** Yes. Schedule LSM-2, Page 1 of 1, provides a comparison of customer counts,
16 billed kWh and demands, and average use by month and by customer group from
17 the test year versus data over the period April 2023 to March 2024..

18

19 **Q. How have customer counts and usage changed since the test year?**

20 **A.** Since the test year, the domestic and domestic time-of-use customer count has
21 increased, however, average use has decreased. The G2 demand class has seen an
22 increase in customer counts and average use, both in kWh and demand, while the

1 G2 kWh and G2 QR/WH classes have experienced decreases in customer counts
2 and average use. The G1 class has also seen a decrease in customer counts with
3 modest changes in average use. The table, below, provides a summary of each
4 classes' change in customer counts and average use, as well as providing the total
5 revenue variance for each class, which was calculated on Schedule LSM-1, Page
6 5.
7

	Residential D and TOU- <u>D</u>	<u>G2</u>	G2 - kWh <u>Meter</u>	<u>QRWH</u>	<u>G1</u>
Revenue Difference Over/(Under) Authorized	(\$1,843,387)	\$370,973	(\$1,299)	(\$5,697)	(\$14,231)
Change in Cumulative Customer Count as a % of Test Year	12,736 1.6%	1,935 1.5%	(286) (6.3%)	(118) (3.8%)	(20) (1.0%)
Change in Average Use Per Customer in kWh as a % of Test Year	(49) (7.8%)	15 0.6%	(11) (11.5%)	(52) (3.6%)	22 0.0%
in kW / kVA as a % of Test Year	n/a	0.2 2.2%	n/a	n/a	(0.9) (0.2%)

8

9

10 **VI. BILL IMPACTS AND TARIFF CHANGES**

11 **Q. Have you included any bill impacts associated with the proposed RDAF?**

12 A. Typical bill impacts, comparing current rates to those including the proposed
13 RDAF, have been provided on Schedule LSM-3. As shown, for customers on
14 Default Service, residential class bills will increase by approximately 0.1%,

1 general service class bills will decrease by roughly 0.6%, and large general
2 service class bills will decrease by approximately 0.1%.

3

4 **Q. Has UES provided tariff changes to reflect the proposed RDAF for effect**
5 **August 1, 2024?**

6 A. Included with this filing is a proposed tariff page 69-H, the Calculation of the
7 Revenue Decoupling Adjustment Factors. Please note that this page is essentially
8 the same as provided on Page 1 of Schedule LSM-1. Changes, in redline, to the
9 currently effective Calculation of the Revenue Decoupling Adjustment Factors
10 are shown on Schedule LSM-4, Page 1.

11

12 **Q. Does the proposed August 1, 2024 RDAF affect any other tariffs?**

13 A. Yes. The RDAF is included in UES's Summary of Delivery Rates, tariff page 4,
14 Summary of Whole House Residential Time of Use Rates and Electric Vehicle
15 Rates, tariff page 5-A, and is used in the calculation of the Low-Income Electric
16 Assistance Program (LI-EAP) Discounts for Eligible Customers, tariff page 6.
17 Redline edits to these pages are provided as Pages 2, 3 and 4 of Schedule LSM-4.
18 These pages reflect changes due to the proposed RDAF and have been presented
19 in informational only form.

20

21 **Q. Why are the Summary of Delivery Rates, Summary of Whole House**
22 **Residential Time of Use Rates and Electric Vehicle Rates, and the Low-**

1 **Income Electric Assistance Program (LI-EAP) Discounts for Eligible**

2 **Customers filed as informational only?**

3 A. As mentioned above, these pages incorporate changes associated with the
4 proposed August 1, 2024 RDAF. However, changes to these pages are currently
5 pending for effect June 1, 2024 in DE 23-033. In addition, on June 7, 2024 and
6 on approximately June 17, 2024, UES plans to file, respectively, its semi-annual
7 Default Service Charge filing and its annual Stranded Cost Charge (“SCC”)/EDC
8 filing. Rate changes included in these two filings will affect the rates presented
9 on Tariff Page 4, 5-A, and 6, and like the RDAF, are also for effect August 1.
10 Therefore, in order to avoid overlapping proposed versions, UES has filed these
11 pages here, as informational, and intends to request approval of these tariff pages
12 as part of its SCC/EDC filing where it will incorporate all proposed August 1
13 rates, including the RDAF. The intent of including these pages here is simply to
14 provide all tariff pages that will be affected by the RDAF change.

15

16 **VII. CONCLUSION**

17 **Q. Does that conclude your testimony?**

18 A. Yes, it does.

Unitil Energy Systems, Inc.

Calculation of the Revenue Decoupling Adjustment Factor (RDAF) for the period August 1, 2024-July 31, 2025

	Domestic - D and TOU-D	General Service - Regular General G2, G2 kWh Meter, and Quick Recovery Water Heating and Space Heating	Large General Service - G1	Reference
1. Beginning Balance - April 1, 2023	(\$895,969)	\$5,666	(\$40,424)	Sch LSM-1, Pages 2, 3, 4
2. Total Monthly Revenue Variances (MRV) - Apr 2023-Mar 2024	(\$1,843,387)	\$363,977	(\$14,231)	Sch LSM-1, Pages 2, 3, 4
3. Collections / (Credits) associated with current RDAF - Aug 2023-Jul 2024	\$880,893	(\$6,157)	\$41,716	Sch LSM-1, Pages 2, 3, 4
4. Carrying Costs - Apr 2023 - Jul 2025	<u>(\$356,106)</u>	<u>\$70,315</u>	<u>(\$2,633)</u>	Sch LSM-1, Pages 2, 3, 4
5. Total Revenue Decoupling Adjustment (RDA) for credit / (collection)	(\$2,214,569)	\$433,801	(\$15,572)	L. 1 + L. 2 + L. 3 + L. 4
6. RDA Cap (+ / -)	\$1,070,391	\$586,077	\$256,271	Sch LSM-1, Page 5
7. RDA Deferral	(\$1,144,178)	\$0	\$0	If L.5 >L. 6, difference L.5 and L. 6, otherwise \$0
8. RDA eligible for credit / (collection)	(\$1,070,391)	\$433,801	(\$15,572)	L. 5 - L. 7
9. Estimated kWh Sales - Aug 2024-Jul 2025	505,410,987	316,146,641	293,061,236	Sch LSM-1, Page 7
10. Revenue Decoupling Adjustment Factor (\$/kWh)	\$0.00212	(\$0.00137)	\$0.00005	-1 * L. 8 / L. 9

Unitil Energy Systems, Inc.
Revenue Decoupling Adjustment Factor Reconciliation

Domestic - D and TOU-D

			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
			Beginning	Monthly Revenue	Monthly	Ending	Average	Interest	Number of	Computed	Ending
			Balance	Variance (MRV)	Revenue	Balance	Monthly	Rate	Days/Month	Interest	Balance
				(Schedule LSM-1 Pg 5)	(RDAF	Before Interest	Balance				incl. Interest
					(credit) or charge)	(a + b + c)	((a+d) / 2)				(d + h)
					(Schedule LSM-1 Pg 7)						
1	Actual	April-23	(\$895,969)	(\$118,602)	\$0	(\$1,014,571)	(\$955,270)	7.75%	30	(\$6,085)	(\$1,020,656)
2	Actual	May-23	(\$1,020,656)	(\$291,251)	\$0	(\$1,311,907)	(\$1,166,282)	7.75%	31	(\$7,677)	(\$1,319,584)
3	Actual	June-23	(\$1,319,584)	(\$95,013)	\$0	(\$1,414,597)	(\$1,367,091)	7.75%	30	(\$8,708)	(\$1,423,306)
4	Actual	July-23	(\$1,423,306)	\$81,266	\$0	(\$1,342,040)	(\$1,382,673)	8.25%	31	(\$9,688)	(\$1,351,728)
5	Actual	August-23	(\$1,351,728)	(\$903,926)	\$51,683	(\$2,203,970)	(\$1,777,849)	8.25%	31	(\$12,457)	(\$2,216,428)
6	Actual	September-23	(\$2,216,428)	(\$521,587)	\$80,795	(\$2,657,220)	(\$2,436,824)	8.25%	30	(\$16,524)	(\$2,673,743)
7	Actual	October-23	(\$2,673,743)	\$458,698	\$64,250	(\$2,150,795)	(\$2,412,269)	8.50%	31	(\$17,415)	(\$2,168,210)
8	Actual	November-23	(\$2,168,210)	(\$2,014)	\$64,627	(\$2,105,597)	(\$2,136,904)	8.50%	30	(\$14,929)	(\$2,120,526)
9	Actual	December-23	(\$2,120,526)	(\$179,247)	\$76,297	(\$2,223,477)	(\$2,172,002)	8.50%	31	(\$15,680)	(\$2,239,157)
10	Actual	January-24	(\$2,239,157)	(\$26,666)	\$84,312	(\$2,181,511)	(\$2,210,334)	8.50%	31	(\$15,913)	(\$2,197,424)
11	Actual	February-24	(\$2,197,424)	(\$318,142)	\$89,078	(\$2,426,488)	(\$2,311,956)	8.50%	29	(\$15,571)	(\$2,442,059)
12	Actual	March-24	(\$2,442,059)	\$73,098	\$75,911	(\$2,293,050)	(\$2,367,554)	8.50%	31	(\$17,045)	(\$2,310,095)
13	Actual	April-24	(\$2,310,095)		\$66,988	(\$2,243,107)	(\$2,276,601)	8.50%	30	(\$15,862)	(\$2,258,969)
14	Estimate	May-24	(\$2,258,969)		\$64,488	(\$2,194,480)	(\$2,226,724)	8.50%	31	(\$16,031)	(\$2,210,511)
15	Estimate	June-24	(\$2,210,511)		\$72,167	(\$2,138,345)	(\$2,174,428)	8.50%	30	(\$15,150)	(\$2,153,494)
16	Estimate	July-24	(\$2,153,494)		\$90,297	(\$2,063,197)	(\$2,108,346)	8.50%	31	(\$15,179)	(\$2,078,376)
17	Estimate	August-24	(\$2,078,376)		\$111,789	(\$1,966,587)	(\$2,022,481)	8.50%	31	(\$14,561)	(\$1,981,147)
18	Estimate	September-24	(\$1,981,147)		\$93,705	(\$1,887,443)	(\$1,934,295)	8.50%	30	(\$13,477)	(\$1,900,919)
19	Estimate	October-24	(\$1,900,919)		\$72,689	(\$1,828,230)	(\$1,864,575)	8.50%	31	(\$13,424)	(\$1,841,654)
20	Estimate	November-24	(\$1,841,654)		\$72,623	(\$1,769,031)	(\$1,805,342)	8.50%	30	(\$12,578)	(\$1,781,609)
21	Estimate	December-24	(\$1,781,609)		\$90,381	(\$1,691,228)	(\$1,736,418)	8.50%	31	(\$12,501)	(\$1,703,729)
22	Estimate	January-25	(\$1,703,729)		\$104,981	(\$1,598,748)	(\$1,651,239)	8.50%	31	(\$11,921)	(\$1,610,669)
23	Estimate	February-25	(\$1,610,669)		\$99,422	(\$1,511,247)	(\$1,560,958)	8.50%	28	(\$10,178)	(\$1,521,425)
24	Estimate	March-25	(\$1,521,425)		\$93,051	(\$1,428,374)	(\$1,474,900)	8.50%	31	(\$10,648)	(\$1,439,022)
25	Estimate	April-25	(\$1,439,022)		\$72,785	(\$1,366,237)	(\$1,402,629)	8.50%	30	(\$9,799)	(\$1,376,036)
26	Estimate	May-25	(\$1,376,036)		\$73,892	(\$1,302,144)	(\$1,339,090)	8.50%	31	(\$9,667)	(\$1,311,811)
27	Estimate	June-25	(\$1,311,811)		\$82,690	(\$1,229,121)	(\$1,270,466)	8.50%	30	(\$8,876)	(\$1,237,997)
28	Estimate	July-25	(\$1,237,997)		\$103,463	(\$1,134,534)	(\$1,186,266)	8.50%	31	(\$8,564)	(\$1,143,098)
29		Grand Total		(\$1,843,387)	\$1,952,365					(\$356,106)	

Unitil Energy Systems, Inc.
Revenue Decoupling Adjustment Factor Reconciliation

General Service - Regular General G2, G2 kWh Meter, and Quick Recovery Water Heating and Space Heating

			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
			Beginning	Monthly Revenue	Monthly	Ending	Average	Interest	Number of	Computed	Ending
			Balance	Variance (MRV)	Revenue	Balance	Monthly	Rate	Days/Month	Interest	Balance
				<i>Schedule LSM-1 Pg 5</i>	(RDAF	Before Interest	Balance				incl. Interest
					(credit) or charge)	(a + b + c)	((a+d) / 2)				(d + h)
					<i>(Schedule LSM-1 Pg 7)</i>						
1	Actual	April-23	\$5,666	\$306,880	\$0	\$312,546	\$159,106	7.75%	30	\$1,013	\$313,559
2	Actual	May-23	\$313,559	\$74,634	\$0	\$388,193	\$350,876	7.75%	31	\$2,310	\$390,503
3	Actual	June-23	\$390,503	\$211,774	\$0	\$602,277	\$496,390	7.75%	30	\$3,162	\$605,439
4	Actual	July-23	\$605,439	\$33,015	\$0	\$638,454	\$621,946	8.25%	31	\$4,358	\$642,812
5	Actual	August-23	\$642,812	(\$121,163)	(\$355)	\$521,294	\$582,053	8.25%	31	\$4,078	\$525,373
6	Actual	September-23	\$525,373	\$31,787	(\$569)	\$556,591	\$540,982	8.25%	30	\$3,668	\$560,259
7	Actual	October-23	\$560,259	\$103,754	(\$508)	\$663,505	\$611,882	8.50%	31	\$4,417	\$667,922
8	Actual	November-23	\$667,922	(\$53,368)	(\$475)	\$614,079	\$641,001	8.50%	30	\$4,478	\$618,557
9	Actual	December-23	\$618,557	(\$46,923)	(\$508)	\$571,127	\$594,842	8.50%	31	\$4,294	\$575,421
10	Actual	January-24	\$575,421	(\$73,288)	(\$535)	\$501,599	\$538,510	8.50%	31	\$3,877	\$505,476
11	Actual	February-24	\$505,476	(\$190,485)	(\$589)	\$314,401	\$409,938	8.50%	29	\$2,761	\$317,162
12	Actual	March-24	\$317,162	\$87,359	(\$537)	\$403,984	\$360,573	8.50%	31	\$2,596	\$406,580
13	Actual	April-24	\$406,580		(\$488)	\$406,092	\$406,336	8.50%	30	\$2,831	\$408,923
14	Estimate	May-24	\$408,923		(\$479)	\$408,444	\$408,684	8.50%	31	\$2,942	\$411,386
15	Estimate	June-24	\$411,386		(\$517)	\$410,870	\$411,128	8.50%	30	\$2,864	\$413,734
16	Estimate	July-24	\$413,734		(\$597)	\$413,137	\$413,436	8.50%	31	\$2,977	\$416,113
17	Estimate	August-24	\$416,113		(\$43,396)	\$372,717	\$394,415	8.50%	31	\$2,840	\$375,557
18	Estimate	September-24	\$375,557		(\$38,226)	\$337,331	\$356,444	8.50%	30	\$2,483	\$339,814
19	Estimate	October-24	\$339,814		(\$32,275)	\$307,539	\$323,677	8.50%	31	\$2,330	\$309,869
20	Estimate	November-24	\$309,869		(\$32,236)	\$277,634	\$293,752	8.50%	30	\$2,047	\$279,680
21	Estimate	December-24	\$279,680		(\$34,293)	\$245,388	\$262,534	8.50%	31	\$1,890	\$247,278
22	Estimate	January-25	\$247,278		(\$37,460)	\$209,818	\$228,548	8.50%	31	\$1,650	\$211,468
23	Estimate	February-25	\$211,468		(\$38,220)	\$173,248	\$192,358	8.50%	28	\$1,254	\$174,502
24	Estimate	March-25	\$174,502		(\$37,196)	\$137,306	\$155,904	8.50%	31	\$1,125	\$138,432
25	Estimate	April-25	\$138,432		(\$32,085)	\$106,347	\$122,389	8.50%	30	\$855	\$107,202
26	Estimate	May-25	\$107,202		(\$32,341)	\$74,861	\$91,031	8.50%	31	\$657	\$75,518
27	Estimate	June-25	\$75,518		(\$34,914)	\$40,604	\$58,061	8.50%	30	\$406	\$41,009
28	Estimate	July-25	\$41,009		(\$40,479)	\$530	\$20,770	8.50%	31	\$150	\$680
29		Grand Total		\$363,977	(\$439,278)					\$70,315	

Unitil Energy Systems, Inc.
Revenue Decoupling Adjustment Factor Reconciliation

Large General Service - G1

			(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
			Beginning	Monthly Revenue	Monthly	Ending	Average	Interest	Number of	Computed	Ending
			Balance	Variance (MRV)	Revenue	Balance	Monthly	Rate	Days/Month	Interest	Balance
				<i>Schedule LSM-1 Pg 5</i>	(RDAF	Before Interest	Balance				incl. Interest
					(credit) or charge)	(a + b + c)	((a+d) / 2)				(d + h)
					<i>(Schedule LSM-1 Pg 7)</i>						
1	Actual	April-23	(\$40,424)	\$70,708	\$0	\$30,283	(\$5,071)	7.75%	30	(\$32)	\$30,251
2	Actual	May-23	\$30,251	(\$67,565)	\$0	(\$37,314)	(\$3,531)	7.75%	31	(\$23)	(\$37,337)
3	Actual	June-23	(\$37,337)	\$15,879	\$0	(\$21,458)	(\$29,397)	7.75%	30	(\$187)	(\$21,645)
4	Actual	July-23	(\$21,645)	(\$4,772)	\$0	(\$26,417)	(\$24,031)	8.25%	31	(\$168)	(\$26,585)
5	Actual	August-23	(\$26,585)	\$4,527	\$2,435	(\$19,623)	(\$23,104)	8.25%	31	(\$162)	(\$19,785)
6	Actual	September-23	(\$19,785)	\$85,725	\$3,978	\$69,918	\$25,067	8.25%	30	\$170	\$70,088
7	Actual	October-23	\$70,088	(\$57,994)	\$3,717	\$15,810	\$42,949	8.50%	31	\$310	\$16,120
8	Actual	November-23	\$16,120	(\$49,698)	\$3,440	(\$30,138)	(\$3,009)	8.50%	30	(\$49)	(\$30,187)
9	Actual	December-23	(\$30,187)	\$17,757	\$3,375	(\$9,056)	(\$19,621)	8.50%	31	(\$142)	(\$9,197)
10	Actual	January-24	(\$9,197)	(\$38,600)	\$3,375	(\$44,422)	(\$26,810)	8.50%	31	(\$193)	(\$44,615)
11	Actual	February-24	(\$44,615)	(\$47,644)	\$3,821	(\$88,438)	(\$66,527)	8.50%	29	(\$448)	(\$88,886)
12	Actual	March-24	(\$88,886)	\$57,447	\$3,513	(\$27,926)	(\$58,406)	8.50%	31	(\$420)	(\$28,347)
13	Actual	April-24	(\$28,347)		\$3,359	(\$24,988)	(\$26,667)	8.50%	30	(\$186)	(\$25,173)
14	Estimate	May-24	(\$25,173)		\$3,232	(\$21,942)	(\$23,557)	8.50%	31	(\$170)	(\$22,111)
15	Estimate	June-24	(\$22,111)		\$3,584	(\$18,527)	(\$20,319)	8.50%	30	(\$142)	(\$18,669)
16	Estimate	July-24	(\$18,669)		\$3,887	(\$14,782)	(\$16,725)	8.50%	31	(\$120)	(\$14,902)
17	Estimate	August-24	(\$14,902)		\$1,420	(\$13,482)	(\$14,192)	8.50%	31	(\$102)	(\$13,585)
18	Estimate	September-24	(\$13,585)		\$1,333	(\$12,251)	(\$12,918)	8.50%	30	(\$90)	(\$12,341)
19	Estimate	October-24	(\$12,341)		\$1,203	(\$11,138)	(\$11,740)	8.50%	31	(\$85)	(\$11,222)
20	Estimate	November-24	(\$11,222)		\$1,138	(\$10,084)	(\$10,653)	8.50%	30	(\$74)	(\$10,159)
21	Estimate	December-24	(\$10,159)		\$1,170	(\$8,988)	(\$9,573)	8.50%	31	(\$69)	(\$9,057)
22	Estimate	January-25	(\$9,057)		\$1,178	(\$7,879)	(\$8,468)	8.50%	31	(\$61)	(\$7,940)
23	Estimate	February-25	(\$7,940)		\$1,189	(\$6,751)	(\$7,346)	8.50%	28	(\$48)	(\$6,799)
24	Estimate	March-25	(\$6,799)		\$1,171	(\$5,629)	(\$6,214)	8.50%	31	(\$45)	(\$5,673)
25	Estimate	April-25	(\$5,673)		\$1,125	(\$4,549)	(\$5,111)	8.50%	30	(\$36)	(\$4,584)
26	Estimate	May-25	(\$4,584)		\$1,122	(\$3,462)	(\$4,023)	8.50%	31	(\$29)	(\$3,492)
27	Estimate	June-25	(\$3,492)		\$1,248	(\$2,244)	(\$2,868)	8.50%	30	(\$20)	(\$2,264)
28	Estimate	July-25	(\$2,264)		\$1,356	(\$908)	(\$1,586)	8.50%	31	(\$11)	(\$919)
29		Grand Total		(\$14,231)	\$56,369					(\$2,633)	

Actual Distribution Revenues (Schedule LSM-1 Page 6)	Residential D and TOU-D	G2	Regular General G2 - kWh Meter	QRWH	Large General G1	Lighting OL	Total
April	\$2,678,175	\$1,674,137	\$8,193	\$14,193	\$761,155	n/a	\$5,135,853
May	\$2,429,707	\$1,453,958	\$6,878	\$7,354	\$621,676	n/a	\$4,519,573
June	\$3,055,066	\$1,825,686	\$8,082	\$8,717	\$758,739	n/a	\$5,656,290
July	\$3,700,041	\$1,747,034	\$7,222	\$13,286	\$757,311	n/a	\$6,224,895
August	\$2,930,281	\$1,642,241	\$6,919	\$12,550	\$770,597	n/a	\$5,362,587
September	\$2,692,523	\$1,732,579	\$7,158	\$10,481	\$827,670	n/a	\$5,270,410
October	\$3,088,446	\$1,728,555	\$8,026	\$8,880	\$657,373	n/a	\$5,491,481
November	\$2,738,315	\$1,469,849	\$7,158	\$12,665	\$637,660	n/a	\$4,865,647
December	\$3,036,698	\$1,450,602	\$7,775	\$22,159	\$696,450	n/a	\$5,213,684
January	\$3,340,655	\$1,497,471	\$7,708	\$23,429	\$660,592	n/a	\$5,529,856
February	\$2,841,770	\$1,372,878	\$6,844	\$26,255	\$643,429	n/a	\$4,891,176
March	\$3,148,034	\$1,669,901	\$8,189	\$20,670	\$749,721	n/a	\$5,596,515
12ME March	\$35,679,711	\$19,265,093	\$90,150	\$180,641	\$8,542,373		\$63,757,968

Actual Customer Count (Schedule LSM-1 Page 6)	Residential D and TOU-D	G2	Regular General G2 - kWh Meter	QRWH	Large General G1	Lighting OL	Total
April	68,105	10,630	363	250	167	n/a	79,515
May	69,277	10,737	363	249	167	n/a	80,793
June	69,662	10,749	364	250	167	n/a	81,192
July	69,534	10,743	355	247	167	n/a	81,046
August	69,709	10,770	353	246	166	n/a	81,244
September	69,743	10,763	353	249	166	n/a	81,274
October	69,478	10,828	352	246	167	n/a	81,071
November	68,628	10,697	352	246	165	n/a	80,088
December	68,478	10,646	350	245	165	n/a	79,884
January	68,485	10,683	352	247	165	n/a	79,932
February	68,472	10,682	351	249	164	n/a	79,918
March	68,445	10,719	349	247	164	n/a	79,924
12ME March	828,016	128,647	4,257	2,971	1,990		965,881

Actual Base Revenues per Customer (Actual Distribution Revenue / Actual Customer Count)	Residential D and TOU-D	G2	Regular General G2 - kWh Meter	QRWH	Large General G1
April	\$39.32	\$157.49	\$22.57	\$56.77	\$4,557.81
May	\$35.07	\$135.42	\$18.95	\$29.54	\$3,722.61
June	\$43.86	\$169.85	\$22.20	\$34.87	\$4,543.35
July	\$53.21	\$162.62	\$20.34	\$53.79	\$4,534.80
August	\$42.04	\$152.48	\$19.60	\$51.02	\$4,642.15
September	\$38.61	\$160.98	\$20.28	\$42.09	\$4,985.96
October	\$44.45	\$159.66	\$22.80	\$36.10	\$3,936.37
November	\$39.90	\$137.41	\$20.34	\$51.48	\$3,864.61
December	\$44.35	\$136.26	\$22.21	\$90.45	\$4,220.91
January	\$48.78	\$140.17	\$21.90	\$94.85	\$4,003.59
February	\$41.50	\$128.52	\$19.50	\$105.44	\$3,923.35
March	\$45.99	\$155.79	\$23.46	\$83.69	\$4,571.47

Authorized Base Revenues per Customer (1)	Residential D and TOU-D	G2	Regular General G2 - kWh Meter	QRWH	Large General G1
April	\$41.07	\$128.62	\$21.16	\$59.08	\$4,134.41
May	\$39.28	\$128.02	\$20.85	\$45.76	\$4,127.19
June	\$45.22	\$150.05	\$21.19	\$40.47	\$4,448.26
July	\$52.04	\$159.58	\$21.23	\$50.96	\$4,563.37
August	\$55.00	\$163.50	\$21.38	\$58.49	\$4,614.88
September	\$46.09	\$157.81	\$21.32	\$49.97	\$4,469.55
October	\$37.85	\$150.16	\$20.80	\$35.13	\$4,283.64
November	\$39.93	\$142.42	\$21.11	\$49.16	\$4,165.81
December	\$46.96	\$141.01	\$21.92	\$75.93	\$4,113.29
January	\$49.17	\$146.85	\$22.59	\$101.65	\$4,237.53
February	\$46.15	\$146.45	\$22.21	\$97.58	\$4,213.86
March	\$44.93	\$147.57	\$22.09	\$88.65	\$4,221.19

Revenue per Customer Difference Actual - Authorized	Residential D and TOU-D	G2	Regular General G2 - kWh Meter	QRWH	Large General G1
April	(\$1.74)	\$28.88	\$1.41	(\$2.31)	\$423.40
May	(\$4.20)	\$7.39	(\$1.90)	(\$16.22)	(\$404.58)
June	(\$1.36)	\$19.80	\$1.01	(\$5.60)	\$95.08
July	\$1.17	\$3.04	(\$0.89)	\$2.83	(\$28.57)
August	(\$12.97)	(\$11.02)	(\$1.78)	(\$7.48)	\$27.27
September	(\$7.48)	\$3.17	(\$1.04)	(\$7.88)	\$516.41
October	\$6.60	\$9.49	\$2.00	\$0.97	(\$347.27)
November	(\$0.03)	(\$5.02)	(\$0.78)	\$2.33	(\$301.20)
December	(\$2.62)	(\$4.75)	\$0.29	\$14.52	\$107.62
January	(\$0.39)	(\$6.68)	(\$0.69)	(\$6.79)	(\$233.94)
February	(\$4.65)	(\$17.93)	(\$2.71)	\$7.86	(\$290.51)
March	\$1.07	\$8.22	\$1.38	(\$4.96)	\$350.29

Revenue Difference Over / (Under) (Revenue Per Customer Difference * Actual # Customers)	Residential D and TOU-D	G2	Regular General G2 - kWh Meter	QRWH	Large General G1	Total
April	(\$118,602.20)	\$306,943.68	\$512.82	(\$576.46)	\$70,707.98	\$258,985.81
May	(\$291,251.22)	\$79,362.71	(\$689.06)	(\$4,039.68)	(\$67,564.71)	(\$284,181.96)
June	(\$95,013.49)	\$212,805.82	\$368.33	(\$1,400.22)	\$15,879.13	\$132,639.58
July	\$81,265.99	\$32,633.51	(\$316.22)	\$697.90	(\$4,771.79)	\$109,509.39
August	(\$903,925.53)	(\$118,695.60)	(\$627.72)	(\$1,839.48)	\$4,526.56	(\$1,020,561.77)
September	(\$521,587.33)	\$34,115.18	(\$367.36)	(\$1,960.88)	\$85,724.61	(\$404,075.80)
October	\$458,697.93	\$102,809.61	\$705.45	\$238.89	(\$57,994.46)	\$504,457.41
November	(\$2,014.33)	(\$53,667.02)	(\$272.96)	\$572.02	(\$49,698.23)	(\$105,080.53)
December	(\$179,247.42)	(\$50,581.56)	\$101.53	\$3,557.46	\$17,756.58	(\$208,413.42)
January	(\$26,665.62)	(\$71,366.88)	(\$242.40)	(\$1,678.29)	(\$38,599.56)	(\$138,552.75)
February	(\$318,141.80)	(\$191,489.90)	(\$951.95)	\$1,956.59	(\$47,644.17)	(\$556,271.22)
March	\$73,098.01	\$88,103.50	\$480.63	(\$1,224.97)	\$57,446.78	\$217,903.95
12ME March	(\$1,843,387.01)	\$370,973.03	(\$1,298.91)	(\$5,697.13)	(\$14,231.29)	(\$1,493,641.31)

Calculation of the Cap by Customer Group	Actual Distribution Revenues	3% cap
Domestic Service - D and TOU-D	\$35,679,711	\$1,070,391
General Service - G2, G2 kWh Meter, Uncontrolled Quick Recovery Water Heating, and Space Heating	\$19,535,884	\$586,077
Large General Service - G1	\$8,542,373	\$256,271
	\$63,757,968	

Unitil Energy Systems, Inc.
Actual Base Revenues and Bill Counts

Actual Base Revenues			
(a)	(b)	(c)	
Actual Billed Base Revenues (1)	Net unbilled revenue	Total Actual Base Revenues	
Apr-23	\$2,643,285	\$34,890	\$2,678,175
May-23	\$2,578,595	(\$148,889)	\$2,429,707
Jun-23	\$2,659,750	\$395,316	\$3,055,066
Jul-23	\$3,398,915	\$301,126	\$3,700,041
Aug-23	\$3,398,315	(\$468,034)	\$2,930,281
Sep-23	\$3,106,145	(\$413,623)	\$2,692,523
Oct-23	\$2,692,923	\$395,523	\$3,088,446
Nov-23	\$2,692,553	\$45,762	\$2,738,315
Dec-23	\$2,983,282	\$53,416	\$3,036,698
Jan-24	\$3,186,039	\$154,617	\$3,340,655
Feb-24	\$3,295,224	(\$453,454)	\$2,841,770
Mar-24	\$2,957,355	<u>\$190,679</u>	<u>\$3,148,034</u>
Total	\$35,592,382	\$87,329	\$35,679,711

Actual Number of Customers					
Actual Customer Charge Revenue (1)	Customer Charge	Actual Number of Customers	Riverwoods' metering conversions (add)	Total Number of Customers	
Apr-23	\$1,101,397.50	\$16.22	67,904	201	68,105
May-23	\$1,120,404.85	\$16.22	69,076	201	69,277
Jun-23	\$1,126,662.82	\$16.22	69,461	201	69,662
Jul-23	\$1,124,581.25	\$16.22	69,333	201	69,534
Aug-23	\$1,127,421.41	\$16.22	69,508	201	69,709
Sep-23	\$1,127,973.80	\$16.22	69,542	201	69,743
Oct-23	\$1,123,665.58	\$16.22	69,277	201	69,478
Nov-23	\$1,109,885.96	\$16.22	68,427	201	68,628
Dec-23	\$1,107,451.19	\$16.22	68,277	201	68,478
Jan-24	\$1,107,569.21	\$16.22	68,284	201	68,485
Feb-24	\$1,107,356.16	\$16.22	68,271	201	68,472
Mar-24	\$1,106,915.35	\$16.22	68,244	201	68,445

General Service - G2			
(a)	(b)	(c)	
Actual Billed Base Revenues (1)	Net unbilled revenue	Total Actual Base Revenues	
Apr-23	\$1,522,987	\$151,150	\$1,674,137
May-23	\$1,551,789	(\$97,831)	\$1,453,958
Jun-23	\$1,651,006	\$174,680	\$1,825,686
Jul-23	\$1,743,428	\$3,606	\$1,747,034
Aug-23	\$1,750,057	(\$107,816)	\$1,642,241
Sep-23	\$1,759,937	(\$27,359)	\$1,732,579
Oct-23	\$1,636,357	\$92,399	\$1,728,755
Nov-23	\$1,554,969	(\$85,120)	\$1,469,849
Dec-23	\$1,480,597	(\$29,994)	\$1,450,602
Jan-24	\$1,503,216	(\$5,745)	\$1,497,471
Feb-24	\$1,540,985	(\$168,106)	\$1,372,878
Mar-24	<u>\$1,523,785</u>	<u>\$146,116</u>	<u>\$1,669,901</u>
Total	\$19,219,112	\$45,981	\$19,265,093

Actual Customer Charge Revenue (1)	Customer Charge	Actual Number of Customers	Riverwoods' metering conversions (add)	Total Number of Customers	
Apr-23	\$310,362.18	\$29.19	10,632	(2)	10,630
May-23	\$313,471.41	\$29.19	10,739	(2)	10,737
Jun-23	\$313,820.83	\$29.19	10,751	(2)	10,749
Jul-23	\$313,643.83	\$29.19	10,745	(2)	10,743
Aug-23	\$314,433.76	\$29.19	10,772	(2)	10,770
Sep-23	\$314,224.75	\$29.19	10,765	(2)	10,763
Oct-23	\$316,116.74	\$29.19	10,830	(2)	10,828
Nov-23	\$312,301.80	\$29.19	10,699	(2)	10,697
Dec-23	\$310,804.92	\$29.19	10,648	(2)	10,646
Jan-24	\$311,887.35	\$29.19	10,685	(2)	10,683
Feb-24	\$311,866.94	\$29.19	10,684	(2)	10,682
Mar-24	\$312,932.62	\$29.19	10,721	(2)	10,719

General Service - G2 kWh Meter			
(a)	(b)	(c)	
Actual Billed Base Revenues (1)	Net unbilled revenue	Total Actual Base Revenues	
Apr-23	\$7,606	\$586	\$8,193
May-23	\$7,495	(\$617)	\$6,878
Jun-23	\$7,509	\$573	\$8,082
Jul-23	\$7,463	(\$241)	\$7,222
Aug-23	\$7,417	(\$498)	\$6,919
Sep-23	\$7,333	(\$175)	\$7,158
Oct-23	\$7,345	\$681	\$8,026
Nov-23	\$7,344	(\$186)	\$7,158
Dec-23	\$7,591	\$184	\$7,775
Jan-24	\$7,727	(\$19)	\$7,708
Feb-24	\$7,770	(\$926)	\$6,844
Mar-24	<u>\$7,530</u>	<u>\$659</u>	<u>\$8,189</u>
Total	\$90,130	\$20	\$90,150

Actual Customer Charge Revenue (1)	Customer Charge	Actual Number of Customers	
Apr-23	\$6,671.94	\$18.38	363
May-23	\$6,671.94	\$18.38	363
Jun-23	\$6,690.32	\$18.38	364
Jul-23	\$6,524.90	\$18.38	355
Aug-23	\$6,488.14	\$18.38	353
Sep-23	\$6,488.14	\$18.38	353
Oct-23	\$6,469.76	\$18.38	352
Nov-23	\$6,469.76	\$18.38	352
Dec-23	\$6,433.03	\$18.38	350
Jan-24	\$6,469.76	\$18.38	352
Feb-24	\$6,451.38	\$18.38	351
Mar-24	\$6,414.62	\$18.38	349

General Service - G2 Quick Recovery Water Heating and Space Heating			
(a)	(b)	(c)	
Actual Billed Base Revenues (1)	Net unbilled revenue	Total Actual Base Revenues	
Apr-23	\$15,990	(\$1,797)	\$14,193
May-23	\$11,039	(\$3,684)	\$7,354
Jun-23	\$9,044	(\$327)	\$8,717
Jul-23	\$11,944	\$1,342	\$13,286
Aug-23	\$12,862	(\$312)	\$12,550
Sep-23	\$11,403	(\$922)	\$10,481
Oct-23	\$9,117	(\$237)	\$8,880
Nov-23	\$11,575	\$1,090	\$12,665
Dec-23	\$18,380	\$3,779	\$22,159
Jan-24	\$21,820	\$1,609	\$23,429
Feb-24	\$26,856	(\$601)	\$26,255
Mar-24	<u>\$20,973</u>	<u>(\$303)</u>	<u>\$20,670</u>
Total	\$181,003	(\$362)	\$180,641

Actual Customer Charge Revenue (1)	Customer Charge	Actual Number of Customers	
Apr-23	\$2,432.50	\$9.73	250
May-23	\$2,422.77	\$9.73	249
Jun-23	\$2,432.50	\$9.73	250
Jul-23	\$2,403.31	\$9.73	247
Aug-23	\$2,393.58	\$9.73	246
Sep-23	\$2,422.77	\$9.73	249
Oct-23	\$2,393.58	\$9.73	246
Nov-23	\$2,393.58	\$9.73	246
Dec-23	\$2,383.85	\$9.73	245
Jan-24	\$2,403.31	\$9.73	247
Feb-24	\$2,422.77	\$9.73	249
Mar-24	\$2,403.31	\$9.73	247

Large General Service - G1			
(a)	(b)	(c)	
Actual Billed Base Revenues (1)	Net unbilled revenue	Total Actual Base Revenues	
Apr-23	\$692,912	\$68,243	\$761,155
May-23	\$688,312	(\$66,636)	\$621,676
Jun-23	\$724,720	\$34,019	\$758,739
Jul-23	\$757,107	\$205	\$757,311
Aug-23	\$749,321	\$21,275	\$770,597
Sep-23	\$769,193	\$58,477	\$827,670
Oct-23	\$716,491	(\$59,118)	\$657,373
Nov-23	\$689,659	(\$51,999)	\$637,660
Dec-23	\$677,444	\$19,006	\$696,450
Jan-24	\$682,668	(\$22,076)	\$660,592
Feb-24	\$698,397	(\$54,968)	\$643,429
Mar-24	<u>\$689,982</u>	<u>\$59,739</u>	<u>\$749,721</u>
Total	\$8,536,207	\$6,166	\$8,542,373

Actual Customer Charge Revenue (1)	Customer Charge	Actual Number of Customers	Actual Customer Charge Revenue (1)	Customer Charge	Actual Number of Customers	Total G1 Actual Number of Customers	
Apr-23	\$2,940.66	\$86.49	34	\$21,569.94	\$162.18	133	167
May-23	\$2,940.66	\$86.49	34	\$21,569.94	\$162.18	133	167
Jun-23	\$2,940.66	\$86.49	34	\$21,569.94	\$162.18	133	167
Jul-23	\$2,940.66	\$86.49	34	\$21,569.94	\$162.18	133	167
Aug-23	\$2,940.66	\$86.49	34	\$21,407.76	\$162.18	132	166
Sep-23	\$2,940.66	\$86.49	34	\$21,407.76	\$162.18	132	166
Oct-23	\$2,940.67	\$86.49	34	\$21,569.94	\$162.18	133	167
Nov-23	\$2,940.66	\$86.49	34	\$21,245.58	\$162.18	131	165
Dec-23	\$2,940.66	\$86.49	34	\$21,245.58	\$162.18	131	165
Jan-24	\$2,940.66	\$86.49	34	\$21,245.58	\$162.18	131	165
Feb-24	\$2,940.66	\$86.49	34	\$21,083.40	\$162.18	130	164
Mar-24	\$2,940.66	\$86.49	34	\$21,083.40	\$162.18	130	164

(1) Actual per billing system.

Unitil Energy Systems, Inc.
Revenue Decoupling Adjustment Factor Revenue

Domestic - D and TOU-D

		(a) Total Billed kWh	(b) RDAF (\$/kWh)	(c) Total Billed RDAF Revenue
Actual	Aug-23	49,238,368	\$0.00186	\$51,683
Actual	Sep-23	42,892,304	\$0.00186	\$80,795
Actual	Oct-23	34,025,886	\$0.00186	\$64,250
Actual	Nov-23	34,316,566	\$0.00186	\$64,627
Actual	Dec-23	40,674,540	\$0.00186	\$76,297
Actual	Jan-24	45,068,208	\$0.00186	\$84,312
Actual	Feb-24	47,440,245	\$0.00186	\$89,078
Actual	Mar-24	40,123,855	\$0.00186	\$75,911
Actual	Apr-24	35,329,385	\$0.00186	\$66,988
Estimate	May-24	34,671,089	\$0.00186	\$64,488
Estimate	Jun-24	38,799,379	\$0.00186	\$72,167
Estimate	Jul-24	<u>48,547,028</u>	\$0.00186	<u>\$90,297</u>
	Total	491,126,853		\$880,893
Estimate	Aug-24	52,730,755	\$0.00212	\$111,789
Estimate	Sep-24	44,200,274	\$0.00212	\$93,705
Estimate	Oct-24	34,287,470	\$0.00212	\$72,689
Estimate	Nov-24	34,256,262	\$0.00212	\$72,623
Estimate	Dec-24	42,632,525	\$0.00212	\$90,381
Estimate	Jan-25	49,519,274	\$0.00212	\$104,981
Estimate	Feb-25	46,897,129	\$0.00212	\$99,422
Estimate	Mar-25	43,891,933	\$0.00212	\$93,051
Estimate	Apr-25	34,332,700	\$0.00212	\$72,785
Estimate	May-25	34,854,662	\$0.00212	\$73,892
Estimate	Jun-25	39,004,529	\$0.00212	\$82,690
Estimate	Jul-25	<u>48,803,472</u>	\$0.00212	<u>\$103,463</u>
	Total	505,410,987		\$1,071,471

General Service - Regular General G2, G2 kWh Meter, and Quick Recovery Water Heating and Space Heating

		(a) Total Billed kWh	(b) RDAF (\$/kWh)	(c) Total Billed RDAF Revenue
Actual	Aug-23	31,068,810	(\$0.00002)	(\$355)
Actual	Sep-23	28,545,768	(\$0.00002)	(\$569)
Actual	Oct-23	25,552,916	(\$0.00002)	(\$508)
Actual	Nov-23	23,864,326	(\$0.00002)	(\$475)
Actual	Dec-23	25,492,335	(\$0.00002)	(\$508)
Actual	Jan-24	27,218,719	(\$0.00002)	(\$535)
Actual	Feb-24	29,532,616	(\$0.00002)	(\$589)
Actual	Mar-24	26,925,038	(\$0.00002)	(\$537)
Actual	Apr-24	24,489,928	(\$0.00002)	(\$488)
Estimate	May-24	23,957,074	(\$0.00002)	(\$479)
Estimate	Jun-24	25,827,527	(\$0.00002)	(\$517)
Estimate	Jul-24	<u>29,872,369</u>	(\$0.00002)	<u>(\$597)</u>
	Total	322,347,426		(\$6,157)
Estimate	Aug-24	31,676,076	(\$0.00137)	(\$43,396)
Estimate	Sep-24	27,902,092	(\$0.00137)	(\$38,226)
Estimate	Oct-24	23,558,466	(\$0.00137)	(\$32,275)
Estimate	Nov-24	23,529,687	(\$0.00137)	(\$32,236)
Estimate	Dec-24	25,031,169	(\$0.00137)	(\$34,293)
Estimate	Jan-25	27,342,852	(\$0.00137)	(\$37,460)
Estimate	Feb-25	27,898,067	(\$0.00137)	(\$38,220)
Estimate	Mar-25	27,150,231	(\$0.00137)	(\$37,196)
Estimate	Apr-25	23,419,415	(\$0.00137)	(\$32,085)
Estimate	May-25	23,606,771	(\$0.00137)	(\$32,341)
Estimate	Jun-25	25,484,969	(\$0.00137)	(\$34,914)
Estimate	Jul-25	<u>29,546,846</u>	(\$0.00137)	<u>(\$40,479)</u>
	Total	316,146,641		(\$433,121)

Large General Service - G1

		(a) Total Billed kWh	(b) RDAF (\$/kWh)	(c) Total Billed RDAF Revenue
Actual	Aug-23	29,874,700	\$0.00014	\$2,435
Actual	Sep-23	28,416,899	\$0.00014	\$3,978
Actual	Oct-23	26,548,036	\$0.00014	\$3,717
Actual	Nov-23	24,572,113	\$0.00014	\$3,440
Actual	Dec-23	24,103,509	\$0.00014	\$3,375
Actual	Jan-24	24,107,407	\$0.00014	\$3,375
Actual	Feb-24	27,291,151	\$0.00014	\$3,821
Actual	Mar-24	25,094,654	\$0.00014	\$3,513
Actual	Apr-24	23,994,855	\$0.00014	\$3,359
Estimate	May-24	23,083,632	\$0.00014	\$3,232
Estimate	Jun-24	25,598,578	\$0.00014	\$3,584
Estimate	Jul-24	<u>27,766,533</u>	\$0.00014	<u>\$3,887</u>
	Total	310,452,067		\$41,716

Unitil Energy Systems, Inc.
Comparison of Actual To Test Year Data
April 2023 - March 2024

Table with columns for Customer Counts (Residential, Regular General, Large General), Billed kWh (Residential, Regular General, Large General), Billed kW/kVA (Regular General, Large General), Average kWh per Customer (Residential, Regular General, Large General), and Average kW/kVA per Customer (Regular General, Large General). Rows include monthly data for Actual, Test Year, and Actual - Test Year (as a % of Test Year).

* Actual customer counts for Residential (D) and General Service (G2) include adjustment associated with Riverwoods' metering conversions (as shown on Page 6).

** Test Year (CY 2020) as filed in DE 21-030.

Unitil Energy Systems, Inc.
Typical Bill Impacts - May 1, 2024 vs. August 1, 2024
Due to Changes in the Revenue Decoupling Adjustment Factor
Impact on D Rate Customers

<u>Average kWh</u>	<u>Total Bill Using Rates 5/1/2024</u>	<u>Total Bill Using Rates 8/1/2024</u>	<u>Total Difference</u>	<u>% Total Difference</u>
125	\$42.12	\$42.15	\$0.03	0.1%
150	\$47.30	\$47.34	\$0.04	0.1%
200	\$57.66	\$57.71	\$0.05	0.1%
250	\$68.02	\$68.08	\$0.06	0.1%
300	\$78.38	\$78.46	\$0.08	0.1%
350	\$88.74	\$88.83	\$0.09	0.1%
400	\$99.10	\$99.20	\$0.10	0.1%
450	\$109.46	\$109.57	\$0.12	0.1%
500	\$119.82	\$119.95	\$0.13	0.1%
525	\$124.99	\$125.13	\$0.14	0.1%
550	\$130.17	\$130.32	\$0.14	0.1%
575	\$135.35	\$135.50	\$0.15	0.1%
600	\$140.53	\$140.69	\$0.16	0.1%
625	\$145.71	\$145.88	\$0.16	0.1%
650	\$150.89	\$151.06	\$0.17	0.1%
675	\$156.07	\$156.25	\$0.18	0.1%
700	\$161.25	\$161.44	\$0.18	0.1%
725	\$166.43	\$166.62	\$0.19	0.1%
750	\$171.61	\$171.81	\$0.19	0.1%
775	\$176.79	\$176.99	\$0.20	0.1%
825	\$187.15	\$187.37	\$0.21	0.1%
925	\$207.87	\$208.11	\$0.24	0.1%
1,000	\$223.41	\$223.67	\$0.26	0.1%
1,250	\$275.21	\$275.53	\$0.32	0.1%
1,500	\$327.01	\$327.40	\$0.39	0.1%
2,000	\$430.60	\$431.12	\$0.52	0.1%
3,500	\$741.39	\$742.30	\$0.91	0.1%
5,000	\$1,052.17	\$1,053.47	\$1.30	0.1%

	<u>Rates - Effective May 1, 2024</u>	<u>Rates - Proposed August 1, 2024</u>	<u>Difference</u>
Customer Charge	\$16.22	\$16.22	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge:	\$0.04612	\$0.04612	\$0.00000
External Delivery Charge	\$0.04486	\$0.04486	\$0.00000
Stranded Cost Charge	(\$0.00010)	(\$0.00010)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00727	\$0.00727	\$0.00000
Revenue Decoupling Adjustment Factor	\$0.00186	\$0.00212	\$0.00026
Default Service Charge	\$0.10718	\$0.10718	\$0.00000
TOTAL	\$0.20719	\$0.20745	\$0.00026

Unitil Energy Systems, Inc.
Typical Bill Impacts - May 1, 2024 vs. August 1, 2024
Due to Changes in the Revenue Decoupling Adjustment Factor
Impact on G2 Rate Customers

Load Factor	Average Monthly kW	Average Monthly kWh	Total Bill Using Rates 5/1/2024	Total Bill Using Rates 8/1/2024	Total Difference	% Total Difference
20%	5	730	\$201.08	\$200.10	(\$0.99)	(0.5%)
20%	10	1,460	\$372.98	\$371.01	(\$1.97)	(0.5%)
20%	15	2,190	\$544.87	\$541.92	(\$2.96)	(0.5%)
20%	25	3,650	\$888.66	\$883.74	(\$4.93)	(0.6%)
20%	50	7,300	\$1,748.14	\$1,738.28	(\$9.86)	(0.6%)
20%	75	10,950	\$2,607.61	\$2,592.83	(\$14.78)	(0.6%)
20%	100	14,600	\$3,467.08	\$3,447.37	(\$19.71)	(0.6%)
20%	150	21,900	\$5,186.03	\$5,156.47	(\$29.57)	(0.6%)
36%	5	1,314	\$290.08	\$288.31	(\$1.77)	(0.6%)
36%	10	2,628	\$550.97	\$547.42	(\$3.55)	(0.6%)
36%	15	3,942	\$811.86	\$806.54	(\$5.32)	(0.7%)
36%	25	6,570	\$1,333.64	\$1,324.77	(\$8.87)	(0.7%)
36%	50	13,140	\$2,638.09	\$2,620.36	(\$17.74)	(0.7%)
36%	75	19,710	\$3,942.55	\$3,915.94	(\$26.61)	(0.7%)
36%	100	26,280	\$5,247.00	\$5,211.52	(\$35.48)	(0.7%)
36%	150	39,420	\$7,855.90	\$7,802.69	(\$53.22)	(0.7%)
50%	5	1,825	\$367.95	\$365.49	(\$2.46)	(0.7%)
50%	10	3,650	\$706.71	\$701.79	(\$4.93)	(0.7%)
50%	15	5,475	\$1,045.48	\$1,038.08	(\$7.39)	(0.7%)
50%	25	9,125	\$1,723.00	\$1,710.68	(\$12.32)	(0.7%)
50%	50	18,250	\$3,416.81	\$3,392.17	(\$24.64)	(0.7%)
50%	75	27,375	\$5,110.62	\$5,073.66	(\$36.96)	(0.7%)
50%	100	36,500	\$6,804.43	\$6,755.15	(\$49.27)	(0.7%)
50%	150	54,750	\$10,192.04	\$10,118.13	(\$73.91)	(0.7%)

	Rates - Effective May 1, 2024	Rates - Proposed August 1, 2024	Difference
Customer Charge	\$29.19	\$29.19	\$0.00
	<u>All kW</u>	<u>All kW</u>	<u>All kW</u>
Distribution Charge	\$12.13	\$12.13	\$0.00
Stranded Cost Charge	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
TOTAL	\$12.13	\$12.13	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.04486	\$0.04486	\$0.00000
Stranded Cost Charge	(\$0.00010)	(\$0.00010)	\$0.00000
Storm Recovery Adj. Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00727	\$0.00727	\$0.00000
Revenue Decoupling Adjustment Factor	(\$0.00002)	(\$0.00137)	(\$0.00135)
Default Service Charge	<u>\$0.10038</u>	<u>\$0.10038</u>	<u>\$0.00000</u>
TOTAL	\$0.15239	\$0.15104	(\$0.00135)

Unitil Energy Systems, Inc.
Typical Bill Impacts - May 1, 2024 vs. August 1, 2024
Due to Changes in the Revenue Decoupling Adjustment Factor
Impact on G2 kWh Meter Rate Customers

<u>Average Monthly kWh</u>	<u>Total Bill Using Rates 5/1/2024</u>	<u>Total Bill Using Rates 8/1/2024</u>	<u>Total Difference</u>	<u>% Total Difference</u>
15	\$21.16	\$21.14	(\$0.02)	(0.1%)
75	\$32.26	\$32.16	(\$0.10)	(0.3%)
150	\$46.14	\$45.94	(\$0.20)	(0.4%)
250	\$64.65	\$64.32	(\$0.34)	(0.5%)
350	\$83.16	\$82.69	(\$0.47)	(0.6%)
450	\$101.67	\$101.06	(\$0.61)	(0.6%)
550	\$120.18	\$119.44	(\$0.74)	(0.6%)
650	\$138.69	\$137.81	(\$0.88)	(0.6%)
750	\$157.20	\$156.19	(\$1.01)	(0.6%)
900	\$184.96	\$183.75	(\$1.22)	(0.7%)

	<u>Rates - Effective May 1, 2024</u>	<u>Rates - Proposed August 1, 2024</u>	<u>Difference</u>
Customer Charge	\$18.38	\$18.38	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.03270	\$0.03270	\$0.00000
External Delivery Charge	\$0.04486	\$0.04486	\$0.00000
Stranded Cost Charge	(\$0.00010)	(\$0.00010)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00727	\$0.00727	\$0.00000
Revenue Decoupling Adjustment Factor	(\$0.00002)	(\$0.00137)	(\$0.00135)
Default Service Charge	<u>\$0.10038</u>	<u>\$0.10038</u>	<u>\$0.00000</u>
TOTAL	\$0.18509	\$0.18374	(\$0.00135)

Unitil Energy Systems, Inc.
Typical Bill Impacts - May 1, 2024 vs. August 1, 2024
Due to Changes in the Revenue Decoupling Adjustment Factor
Impact on G2 QRWH and SH Rate Customers

Average kWh	Total Bill Using Rates 5/1/2024	Total Bill Using Rates 8/1/2024	Total Difference	% Total Difference
100	\$28.64	\$28.50	(\$0.13)	(0.5%)
200	\$47.55	\$47.28	(\$0.27)	(0.6%)
300	\$66.45	\$66.05	(\$0.40)	(0.6%)
400	\$85.36	\$84.82	(\$0.54)	(0.6%)
500	\$104.27	\$103.60	(\$0.67)	(0.6%)
750	\$151.54	\$150.53	(\$1.01)	(0.7%)
1,000	\$198.81	\$197.46	(\$1.35)	(0.7%)
1,500	\$293.35	\$291.33	(\$2.02)	(0.7%)
2,000	\$387.89	\$385.19	(\$2.70)	(0.7%)
2,500	\$482.43	\$479.06	(\$3.37)	(0.7%)

	Rates - Effective May 1, 2024	Rates - Proposed August 1, 2024	Difference
Customer Charge	\$9.73	\$9.73	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.03669	\$0.03669	\$0.00000
External Delivery Charge	\$0.04486	\$0.04486	\$0.00000
Stranded Cost Charge	(\$0.00010)	(\$0.00010)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00727	\$0.00727	\$0.00000
Revenue Decoupling Adjustment Factor	(\$0.00002)	(\$0.00137)	(\$0.00135)
Default Service Charge	<u>\$0.10038</u>	<u>\$0.10038</u>	<u>\$0.00000</u>
TOTAL	<u>\$0.18908</u>	<u>\$0.18773</u>	<u>(\$0.00135)</u>

Unitil Energy Systems, Inc.
Typical Bill Impacts - May 1, 2024 vs. August 1, 2024
Due to Changes in the Revenue Decoupling Adjustment Factor
Impact on G1 Rate Customers

Load Factor	Average Monthly kVa	Average Monthly kWh	Total Bill Using Rates 5/1/2024	Total Bill Using Rates 8/1/2024	Total Difference	% Total Difference
25.0%	200	36,500	\$6,435.79	\$6,432.51	(\$3.28)	(0.1%)
25.0%	400	73,000	\$12,709.40	\$12,702.83	(\$6.57)	(0.1%)
25.0%	600	109,500	\$18,983.01	\$18,973.16	(\$9.86)	(0.1%)
25.0%	800	146,000	\$25,256.62	\$25,243.48	(\$13.14)	(0.1%)
25.0%	1,000	182,500	\$31,530.23	\$31,513.81	(\$16.42)	(0.1%)
25.0%	1,500	273,750	\$47,214.26	\$47,189.62	(\$24.64)	(0.1%)
25.0%	2,000	365,000	\$62,898.28	\$62,865.43	(\$32.85)	(0.1%)
25.0%	2,500	456,250	\$78,582.31	\$78,541.24	(\$41.06)	(0.1%)
25.0%	3,000	547,500	\$94,266.33	\$94,217.06	(\$49.27)	(0.1%)
40.0%	200	58,400	\$9,176.36	\$9,171.10	(\$5.26)	(0.1%)
40.0%	400	116,800	\$18,190.53	\$18,180.02	(\$10.51)	(0.1%)
40.0%	600	175,200	\$27,204.71	\$27,188.94	(\$15.77)	(0.1%)
40.0%	800	233,600	\$36,218.88	\$36,197.86	(\$21.02)	(0.1%)
40.0%	1,000	292,000	\$45,233.06	\$45,206.78	(\$26.28)	(0.1%)
40.0%	1,500	438,000	\$67,768.50	\$67,729.08	(\$39.42)	(0.1%)
40.0%	2,000	584,000	\$90,303.94	\$90,251.38	(\$52.56)	(0.1%)
40.0%	2,500	730,000	\$112,839.38	\$112,773.68	(\$65.70)	(0.1%)
40.0%	3,000	876,000	\$135,374.82	\$135,295.98	(\$78.84)	(0.1%)
57.0%	200	83,220	\$12,282.33	\$12,274.84	(\$7.49)	(0.1%)
57.0%	400	166,440	\$24,402.48	\$24,387.50	(\$14.98)	(0.1%)
57.0%	600	249,660	\$36,522.63	\$36,500.16	(\$22.47)	(0.1%)
57.0%	800	332,880	\$48,642.78	\$48,612.82	(\$29.96)	(0.1%)
57.0%	1,000	416,100	\$60,762.93	\$60,725.49	(\$37.45)	(0.1%)
57.0%	1,500	624,150	\$91,063.31	\$91,007.14	(\$56.17)	(0.1%)
57.0%	2,000	832,200	\$121,363.69	\$121,288.79	(\$74.90)	(0.1%)
57.0%	2,500	1,040,250	\$151,664.07	\$151,570.44	(\$93.62)	(0.1%)
57.0%	3,000	1,248,300	\$181,964.44	\$181,852.10	(\$112.35)	(0.1%)
71.0%	200	103,660	\$14,840.19	\$14,830.86	(\$9.33)	(0.1%)
71.0%	400	207,320	\$29,518.20	\$29,499.55	(\$18.66)	(0.1%)
71.0%	600	310,980	\$44,196.22	\$44,168.23	(\$27.99)	(0.1%)
71.0%	800	414,640	\$58,874.23	\$58,836.91	(\$37.32)	(0.1%)
71.0%	1,000	518,300	\$73,552.24	\$73,505.60	(\$46.65)	(0.1%)
71.0%	1,500	777,450	\$110,247.27	\$110,177.30	(\$69.97)	(0.1%)
71.0%	2,000	1,036,600	\$146,942.30	\$146,849.01	(\$93.29)	(0.1%)
71.0%	2,500	1,295,750	\$183,637.34	\$183,520.72	(\$116.62)	(0.1%)
71.0%	3,000	1,554,900	\$220,332.37	\$220,192.43	(\$139.94)	(0.1%)

	Rates - Effective May 1, 2024	Rates - Proposed August 1, 2024	Difference
Customer Charge	\$162.18	\$162.18	\$0.00
	All kVA	All kVA	All kVA
Distribution Charge	\$8.53	\$8.53	\$0.00
Stranded Cost Charge	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
TOTAL	\$8.53	\$8.53	\$0.00
	All kWh	All kWh	All kWh
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.04486	\$0.04486	\$0.00000
Stranded Cost Charge	(\$0.00010)	(\$0.00010)	\$0.00000
Storm Recovery Adjustment Factor	\$0.00000	\$0.00000	\$0.00000
System Benefits Charge	\$0.00727	\$0.00727	\$0.00000
Revenue Decoupling Adjustment Factor	\$0.00014	\$0.00005	(\$0.00009)
Default Service Charge*	<u>\$0.07297</u>	<u>\$0.07297</u>	<u>\$0.00000</u>
TOTAL	\$0.12514	\$0.12505	(\$0.00009)

* Default Service Charge for the G1 class is determined monthly. For purposes of this comparison, the May 2024 rate is unchanged.

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

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CALCULATION OF THE REVENUE DECOUPLING ADJUSTMENT FACTORS

	Domestic - D and TOU-D	General Service - Regular General G2, G2 kWh Meter, and Quick Recovery Water Heating and Space Heating	Large General Service - G1
1. <i>Beginning Balance - April 1, 2023</i>	(\$895,969)	\$5,666	(\$40,424)
2. <i>Total Monthly Revenue Variances (MRV) - Apr 2023-Mar 2024</i>	(\$1,843,387)	\$363,977	(\$14,231)
3. <i>Collections / (Credits) associated with current RDAF - Aug 2023-Jul 2024</i>	\$880,893	(\$6,157)	\$41,716
4. <i>Carrying Costs - Apr 2023 - Jul 2025</i>	<u>(\$356,106)</u>	<u>\$70,315</u>	<u>(\$2,633)</u>
5. <i>Total Revenue Decoupling Adjustment (RDA) for credit / (collection) (L. 1 + L. 2 + L. 3 + L. 4)</i>	(\$2,214,569)	\$433,801	(\$15,572)
6. <i>RDA Cap (+ / -)</i>	\$1,070,391	\$586,077	\$256,271
7. <i>RDA Deferral (If L.5 > L. 6, difference L.5 and L. 6, otherwise \$0)</i>	(\$1,144,178)	\$0	\$0
8. <i>RDA eligible for credit / (collection) (L. 5 - L. 7)</i>	(\$1,070,391)	\$433,801	(\$15,572)
9. <i>Estimated kWh Sales - Aug 2024-Jul 2025</i>	505,410,987	316,146,641	293,061,236
10. <i>Revenue Decoupling Adjustment Factor (\$/kWh) (-1 * L. 8 / L. 9)</i>	\$0.00212	(\$0.00137)	\$0.00005
1. Beginning Balance - June 2022	\$0	\$0	\$0
2. Total Monthly Revenue Variances (MRV) - June 2022-March 2023	(\$879,168)	(\$2,190)	(\$40,897)
3. Collections / (Credits) associated with current RDAF (thru July 2023)	n/a	n/a	n/a
4. Carrying Costs - June 2022 - July 2024	<u>(\$80,094)</u>	<u>\$8,236</u>	<u>(\$2,324)</u>
5. Total Revenue Decoupling Adjustment (RDA) for credit / (collection) - (L. 1 + L. 2 + L. 3 + L. 4)	(\$959,262)	\$6,046	(\$43,220)
6. RDA Cap (+ / -)	\$911,619	\$481,115	\$213,990
7. RDA Deferral - (If L.5 > L. 6, difference L.5 and L. 6, otherwise \$0)	(\$47,642)	\$0	\$0
8. RDA eligible for credit / (collection) - (L. 5 - L. 7)	(\$911,619)	\$6,046	(\$43,220)
9. Estimated kWh Sales - August 2023-July 2024	491,346,801	315,117,358	308,299,152
10. Revenue Decoupling Adjustment Factor (\$/kWh) - (-1 * L. 8 / L. 9)	\$0.00186	(\$0.00002)	\$0.00014

Authorized by NHPUC Order No. ~~26,865~~ in Case No. DE 23-057, dated July 31, 2023

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

SUMMARY OF DELIVERY SERVICE RATES

Each bill rendered for electric delivery service shall be calculated through the application of the effective rates as listed below.

Class		Distribution Charge*	Non-Transmission External Delivery Charge**	Transmission External Delivery Charge**	Total External Delivery Charge**	Stranded Cost Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge****	Revenue Decoupling Adjustment Factor**	Total Delivery Charges
D	Customer Charge	\$16.22						(1)		\$16.22
	All kWh	\$0.04612	\$0.01396	\$0.03090	\$0.04486	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.10027
G2	Customer Charge	\$29.19								\$29.19
	All kW	\$12.13				\$0.00				\$12.13
	All kWh	\$0.00000	\$0.01396	\$0.03090	\$0.04486	(\$0.00010)	\$0.00000	\$0.00727	(\$0.00002)	\$0.05201
G2 - kWh meter	Customer Charge	\$18.38								\$18.38
	All kWh	\$0.03270	\$0.01396	\$0.03090	\$0.04486	(\$0.00010)	\$0.00000	\$0.00727	(\$0.00002)	\$0.08471
G2 - Quick Recovery Water Heat and/or Space Heat	Customer Charge	\$9.73								\$9.73
	All kWh	\$0.03669	\$0.01396	\$0.03090	\$0.04486	(\$0.00010)	\$0.00000	\$0.00727	(\$0.00002)	\$0.08870
G1	Customer Charge	\$162.18	Secondary Voltage							\$162.18
	Customer Charge	\$86.49	Primary Voltage							\$86.49
	All kVA	\$8.53				\$0.00				\$8.53
	All kWh	\$0.00000	\$0.01396	\$0.03090	\$0.04486	(\$0.00010)	\$0.00000	\$0.00727	\$0.00014	\$0.05217
ALL GENERAL	Transformer Ownership Credit (kW/kVa)									(\$0.50)
	Voltage Discount at 4,160 Volts or Over (all kW/kVA and kWh)									2.00%
	Voltage Discount at 34,500 Volts or Over (all kW/kVA and kWh)									3.50%

(1) Includes low-income portion of \$0.00150 per kWh, energy efficiency portion of \$0.00577 per kWh and lost base revenue portion of \$0.00000 per kWh.

* Authorized by NHPUC Order No. 26,837 in Case No. DE 23-014, dated May 31, 2023
 ** Authorized by NHPUC Order No. ~~26,865~~ in Case No. ~~DE 23-057~~, dated ~~July 31, 2023~~
 *** Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019
 **** Authorized by NHPUC Order No. 26,911 in Case No. DE 23-098, dated December 11, 2023

Issued: ~~May 24, 2024~~ December 27, 2023
 Effective: *For Informational Purposes Only* January 1, 2024

Issued By: Daniel Hurstak
 Vice President and Treasurer

**SUMMARY OF WHOLE HOUSE RESIDENTIAL TIME OF USE RATES AND ELECTRIC VEHICLE RATES
 (DELIVERY AND SUPPLY)**

Each bill rendered for electric delivery service and supply service (as applicable) shall be calculated through the application of the effective rates as listed below.

Class		DELIVERY RATES								SUPPLY RATES			Total Delivery and Supply	
		Distribution Charge*	Non-Transmission External Delivery Charge**	Transmission External Delivery Charge**	Total External Delivery Charge**	Stranded Cost Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge****	Revenue Decoupling Adjustment Factor**	Total Delivery Charges	Renewable Portfolio Standard Charge*****	Power Supply Charge*****		Total Default Service Charge*****
TOU-D	Customer Charge	\$16.22							\$16.22				\$16.22	
								\$0.00212	\$0.06116				\$0.12845	
								\$0.00212	\$0.07800				\$0.14656	
								\$0.00212	\$0.23996				\$0.32245	
TOU-D	Off-Peak kWh	\$0.03966	\$0.01396	(\$0.00175)	\$0.01221	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.06090	\$0.00577	\$0.06152	\$0.06729	\$0.12819
	Mid-Peak kWh	\$0.05438	\$0.01396	\$0.00037	\$0.01433	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.07774	\$0.00577	\$0.06279	\$0.06856	\$0.14630
	On-Peak kWh	\$0.04691	\$0.01396	\$0.16980	\$0.18376	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.23970	\$0.00577	\$0.07672	\$0.08249	\$0.32219
	Customer Charge	\$5.26							\$5.26				\$5.26	
TOU-EV-D	Off-Peak kWh	\$0.03966	\$0.01396	(\$0.00175)	\$0.01221	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.05904	\$0.00577	\$0.06152	\$0.06729	\$0.12633
	Mid-Peak kWh	\$0.05438	\$0.01396	\$0.00037	\$0.01433	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.07588	\$0.00577	\$0.06279	\$0.06856	\$0.14444
	On-Peak kWh	\$0.04691	\$0.01396	\$0.16980	\$0.18376	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.23784	\$0.00577	\$0.07672	\$0.08249	\$0.32033
	Customer Charge	\$29.19							\$29.19				\$29.19	
TOU-EV-G2	All kW	\$6.07				\$0.00			\$6.07				\$6.07	
	Off-Peak kWh	\$0.02193	\$0.01396	(\$0.00161)	\$0.01235	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.04145	\$0.00577	\$0.05658	\$0.06235	\$0.10380
	Mid-Peak kWh	\$0.02149	\$0.01396	(\$0.00054)	\$0.01342	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.04208	\$0.00577	\$0.05924	\$0.06501	\$0.10709
	On-Peak kWh	\$0.02718	\$0.01396	\$0.19260	\$0.20656	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.24091	\$0.00577	\$0.07299	\$0.07876	\$0.31967
	Customer Charge	\$162.18	Secondary Voltage							\$162.18				\$162.18
TOU-EV-G1	Customer Charge	\$86.49	Primary Voltage						\$86.49				\$86.49	
	All kVA	\$4.27				\$0.00			\$4.27				\$4.27	
	Off-Peak kWh	\$0.01220	\$0.01396	(\$0.00163)	\$0.01233	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.03170	\$0.00700	MARKET	MARKET	MARKET
	Mid-Peak kWh	\$0.01285	\$0.01396	(\$0.00036)	\$0.01360	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.03362	\$0.00700	MARKET	MARKET	MARKET
	On-Peak kWh	\$0.01571	\$0.01396	\$0.19719	\$0.21115	(\$0.00010)	\$0.00000	\$0.00727	\$0.00186	\$0.23403	\$0.00700	MARKET	MARKET	MARKET
ALL GENERAL	Transformer Ownership Credit (kW/kVa)													(\$0.50)
	Voltage Discount at 4,160 Volts or Over (all kW/kVA and kWh)													2.00%
	Voltage Discount at 34,500 Volts or Over (all kW/kVA and kWh)													3.50%

DEFINITIONS
 Off-Peak kWh: Monday - Friday 8 P.M. - 6 A.M. and All Day Weekends and Weekday Holidays ¹
 Mid-Peak kWh: Monday - Friday 6 A.M. - 3 P.M., excluding Weekday Holidays ¹
 On-Peak kWh: Monday - Friday 3 P.M. - 8 P.M., excluding Weekday Holidays ¹

¹ Holidays observed by the State of New Hampshire pursuant to NH RSA 288:1.

* Authorized by NHPUC Order No. 26,837 in Case No. DE 23-014, dated May 31, 2023 and NHPUC Order No. 26,865 in Case No. DE 23-057, dated July 31, 2023
 ** Authorized by NHPUC Order No. 26,865 in Case No. DE 23-057, dated July 31, 2023
 *** Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019
 **** Authorized by NHPUC Order No. 26,911 in Case No. DE 23-098, dated December 11, 2023
 ***** Authorized by NHPUC Order No. 26,910 in Case No. DE 23-054, dated December 8, 2023 and NHPUC Order No. 26,865 in Case No. DE 23-057, dated July 31, 2023

NHPUC No. 3 - Electricity Delivery
Unitil Energy Systems, Inc.

~~Informational Eighty-Third Revised Page 6~~
~~Superseding Eighty-Second Revised Page 6~~

**SUMMARY OF LOW-INCOME
ELECTRIC ASSISTANCE PROGRAM DISCOUNTS**

Low-Income Electric Assistance Program (LI-EAP) Discounts for Eligible Customers

Tier	Percentage of NH State Median Income & Federal Poverty Guidelines	Discount (5)	Blocks	LI-EAP discount Delivery Only *; Excludes Supply	LI-EAP discount Fixed Default Service ** Supply Only	LI-EAP discount Variable Default Service ** Supply Only									
				effective August January 1, 2024 (1)	effective August 1, 2024 February 2024-July 2024 (2)	Aug-24 (3) Feb-24 (3)	Sep-24 (3) Mar-24 (3)	Oct-24 (3) Apr-24 (3)	Nov-24 (3) May-24 (3)	Dec-24 (3) Jun-24 (3)	Jan-25 (3) Jul-24 (3)				
1 (4)	N/A	N/A													
2	151 (FPG) - 60 (SMI)	5%	Customer Charge First 750 kWh Excess 750 kWh	(\$0.81) (\$0.00501) (\$0.00500) \$0.00000	TBD (\$0.00536) \$0.00000	TBD (\$0.00808) \$0.00000	TBD (\$0.00525) \$0.00000	TBD (\$0.00431) \$0.00000	TBD (\$0.00415) \$0.00000	TBD (\$0.00428) \$0.00000	TBD (\$0.00535) \$0.00000				
3	126 (FPG) - 150 (FPG)	19%	Customer Charge First 750 kWh Excess 750 kWh	(\$3.08) (\$0.01905) (\$0.01900) \$0.00000	TBD (\$0.02036) \$0.00000	TBD (\$0.03071) \$0.00000	TBD (\$0.01997) \$0.00000	TBD (\$0.01637) \$0.00000	TBD (\$0.01578) \$0.00000	TBD (\$0.01625) \$0.00000	TBD (\$0.02031) \$0.00000				
4	101 (FPG) - 125 (FPG)	36%	Customer Charge First 750 kWh Excess 750 kWh	(\$5.84) (\$0.03610) (\$0.03600) \$0.00000	TBD (\$0.03858) \$0.00000	TBD (\$0.05819) \$0.00000	TBD (\$0.03783) \$0.00000	TBD (\$0.03102) \$0.00000	TBD (\$0.02989) \$0.00000	TBD (\$0.03079) \$0.00000	TBD (\$0.03849) \$0.00000				
5	76 (FPG) - 100 (FPG)	54%	Customer Charge First 750 kWh Excess 750 kWh	(\$8.76) (\$0.05415) (\$0.05401) \$0.00000	TBD (\$0.05788) \$0.00000	TBD (\$0.08729) \$0.00000	TBD (\$0.05674) \$0.00000	TBD (\$0.04653) \$0.00000	TBD (\$0.04484) \$0.00000	TBD (\$0.04619) \$0.00000	TBD (\$0.05773) \$0.00000				
6	0 - 75 (FPG)	86%	Customer Charge First 750 kWh Excess 750 kWh	(\$13.95) (\$0.08623) (\$0.08601) \$0.00000	TBD (\$0.09217) \$0.00000	TBD (\$0.13902) \$0.00000	TBD (\$0.09037) \$0.00000	TBD (\$0.07410) \$0.00000	TBD (\$0.07141) \$0.00000	TBD (\$0.07356) \$0.00000	TBD (\$0.09194) \$0.00000				

(1) Discount calculated using total utility charges from Page 4 multiplied by the appropriate discount. These figures exclude default service and are applicable to customers choosing a Competitive Supplier or self-supply. Customers taking default service from the Company would receive these discounts plus the appropriate discount applicable to default service supply. Competitively supplied customers billed on a consolidated basis would receive these discounts plus the appropriate fixed default service supply discount.

(2) Discount calculated using Non-G1 class (Residential) Fixed Default Service Rate multiplied by the appropriate discount. These figures exclude delivery.

(3) Discount calculated using Non-G1 class (Residential) Variable Default Service Rate, for the applicable month, multiplied by the appropriate discount. These figures exclude delivery.

(4) Tier 1 was eliminated by Order No. 25,200 in DE 10-192 dated March 4, 2011.

(5) Discounts effective October 1, 2023 in accordance with Order No. 26-870 in DE 22-043.

* Authorized by NHPUC Order No. 26,911 in Case No. DE 23-098, dated December 11, 2023

** Authorized by NHPUC Order No. 26,910 in Case No. DE 23-054, dated December 8, 2023 and NHPUC Order No. 26,865 in Case No. DE 23-057, dated July 31, 2023