

UNITIL ENERGY SYSTEMS, INC.

DIRECT TESTIMONY OF
LINDA S. MCNAMARA

New Hampshire Public Utilities Commission

Docket No.: DE 20-

June 17, 2020

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LIST OF SCHEDULES

- Schedule LSM-1: Stranded Cost Charge
- Schedule LSM-2: External Delivery Charge
- Schedule LSM-3: Redline Tariffs
- Schedule LSM-4: Bill Impacts

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 at 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. In 1994 I graduated *cum laude* from the University of New Hampshire with a
13 Bachelor of Science Degree in Mathematics. Since joining USC in June 1994, I
14 have been responsible for the preparation of various regulatory filings, price
15 analysis, and tariff changes.

16

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

19 A. Yes.

20

21 **II. PURPOSE OF TESTIMONY**

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

1 A. The purpose of my testimony is to present and explain the proposed changes
2 to UES's Stranded Cost Charge ("SCC") and External Delivery Charge
3 ("EDC"), effective August 1, 2020.

4
5 My testimony will focus on the reconciliation and rate development for the
6 SCC and EDC. I will explain the rate development for these mechanisms,
7 review the actual and estimated data included in each rate, describe the
8 proposed tariff revisions, and provide bill impacts for each class. Ms. Lisa
9 Glover is sponsoring testimony which addresses the costs associated with each
10 of these charges. Mr. Douglas Debski has provided testimony to explain the
11 calculation of displaced distribution revenue associated with net metering for
12 2019, which is included for recovery in the proposed EDC.

13

14 **III. STRANDED COST CHARGE**

15 Q. What is the SCC?

16 A. The SCC is the mechanism by which UES recovers UPC's stranded costs
17 from retail customers. UPC's stranded costs are billed to UES in the form of
18 Contract Release Payments through the Amended System Agreement.

19

20 Q. What is UES's proposed SCC?

21 A. As shown on Schedule LSM-1, Page 1, UES is proposing a SCC of
22 (\$0.00025)/kWh, or (0.025¢)/kWh, for its Residential, Regular General

1 Service kWh meter, General Service Quick Recovery Water Heating, Space
2 Heating, and Controlled Off Peak Water Heating, and Outdoor Lighting
3 classes, (\$0.00005)/kWh, or (0.005¢)/kWh, and (\$0.05)/kW for its Regular
4 General Service G2 class, and (\$0.00006)/kWh, or (0.006¢)/kWh and
5 (\$0.06)/kVa for its Large General Service G1 class. The rates are proposed to
6 become effective August 1, 2020.

7

8 Q. How is the SCC calculated?

9 A. Schedule LSM-1, Page 1 provides the calculation for the SCC for all classes.
10 The rate is calculated in accordance with UES's tariff, Schedule SCC. The
11 class SCC obligations are calculated first based on a uniform per kWh charge,
12 and then applied to energy and demand components for the Regular General
13 Service G2 class and Large General Service G1 class. For these classes, UES
14 used the ratio of demand and energy revenue under current rates to develop
15 the demand and energy components of the SCC for effect August 1, 2020,
16 similar to the method used in last year's filing.

17

18 Q. How was the uniform per kWh rate for determining class SCC obligations
19 calculated?

20 A. The uniform SCC is calculated by dividing the prior period (over)/under
21 recovery as of July 31, 2020, plus the forecast of costs for the period August
22 2020 through July 2021, plus interest for the same period, by calendar month

1 kWh sales for August 2020 through July 2021. This uniform rate is applied
2 equally to all customer classes. From this, energy and demand based rates are
3 designed for the G2 and G1 classes. This calculation is provided on Schedule
4 LSM-1, Page 1.

5
6 Q. How does the proposed SCC compare to the rate currently in effect?

7 A. The uniform rate is decreasing by \$0.00013 per kWh. The decrease is due to
8 the change in the prior period reconciliation balance. The August 1, 2020
9 overcollected balance is the result of Contract Release Payment credits
10 coming in above forecast for the August 2019 through July 2020 period.

11
12 Q. Have you provided a reconciliation of costs and revenues in the SCC?

13 A. Schedule LSM-1, Page 2, provides the reconciliation of costs and revenues for
14 the periods, August 2018 through July 2019, August 2019 through July 2020,
15 and the forecasted rate period, August 2020 through July 2021. Actual data is
16 provided for August 2018 through May 2020 and estimated data is provided
17 for the remaining months. This schedule summarizes the costs and revenues
18 associated with stranded costs and provides the computation of interest, which
19 is calculated based on average monthly balances using the prime rate, as
20 described in and consistent with the tariff.

21

1 Q. Have you provided detail on the monthly revenues shown on Page 2 of
2 Schedule LSM-1?

3 A. Yes, revenue detail is shown on Schedule LSM-1, Page 3 for the periods
4 August 2018 through July 2019, August 2019 through July 2020, and August
5 2020 through July 2021. Actual data is included for August 2018 through
6 May 2020 and the remaining months are forecast.

7

8 **IV. EXTERNAL DELIVERY CHARGE**

9 Q. What is the EDC?

10 A. The EDC is the mechanism by which UES recovers the costs it incurs
11 associated with providing transmission services outside UES's system and
12 other costs for energy and transmission related services. For costs incurred
13 after May 1, 2006, the costs included in the EDC exclude Default Service
14 related external administrative charges, which have been moved for collection
15 through the DSC, per the Settlement Agreement in DE 05-064 dated August
16 11, 2005, and approved by the Commission in Order No. 24,511 on
17 September 9, 2005. Beginning May 1, 2011, as approved in DE 10-055, UES
18 also recovers working capital associated with Other Flow-Through Operating
19 Expenses and the Non-Distribution Portion of the annual NHPUC assessment
20 as part of the EDC. Effective July 1, 2014, in accordance with RSA 363-A:6,
21 the Non-Distribution Portion of the annual NHPUC assessment is modified to
22 recover charges/credits in excess of the total NHPUC Assessment, less

1 amounts charged to base distribution and Default Service. As approved in DE
2 16-384, UES is allowed to recover other regulatory expenses incurred due to
3 DE 16-576 and IR 15-296, over the period August 1, 2017 through July 31,
4 2020. Pursuant to the provisions of RSA 363:28, III UES also recovers any
5 Commission approved special assessments charged to UES associated with
6 the expenses of experts employed by the Office of Consumer Advocate. The
7 EDC also includes the prudently incurred costs, as approved by the
8 Commission, associated with the alternative net metering tariff approved in
9 Docket DE 16-576.

10

11 In addition, the EDC includes the over- or under-collection from the
12 Company's Vegetation Management Program ("VMP") and Reliability
13 Enhancement Program ("REP") in accordance with the Settlement Agreement
14 in DE 16-384; the rebate of excess Regional Greenhouse Gas Initiative
15 ("RGGI") auction proceeds applicable to all retail electric customers in
16 accordance with Order No. 25,664 in DE 14-048; and, the recovery of
17 displaced distribution revenue associated with net metering for 2019.

18

19 Q. What is UES's proposed EDC?

20 A. Schedule LSM-2, Page 1, provides the proposed EDC of \$0.03613/kWh, or
21 3.613¢/kWh, applicable to all classes. This charge is proposed to become
22 effective August 1, 2020.

1

2 Q. How is the EDC calculated?

3 A. The EDC is calculated by summing the prior period (over)/under recovery as
4 of July 31, 2020, plus the estimated EDC costs and associated interest for the
5 period August 2020 through July 2021. The total is divided by estimated
6 calendar month kWh sales for the period August 2020 through July 2021.

7

8 Q. In DE 18-029, UES separated its EDC into two pieces, transmission and non-
9 transmission, in order to properly bill and credit alternative net metering
10 customers. Is the proposed EDC formatted and calculated in this same
11 manner?

12 A. Yes, the total proposed EDC has been broken into a transmission piece and
13 non-transmission piece in order to bill and credit alternative net metering
14 customers. The transmission-only factor is \$0.03632/kWh and the non-
15 transmission factor is (\$0.00019)/kWh. The calculation of these factors is
16 provided on Schedule LSM-2, Page 1. The majority of UES's customers will
17 continue to be billed the total EDC. The reconciliation of costs and revenues
18 beginning in August 2018, shown on Schedule LSM-2, pages 2, 3 and 4, are
19 also provided separately for transmission and non-transmission.

20

21 Q. How does the proposed total EDC compare to the rate currently in effect?

- 1 A. The total EDC has increased by \$0.01111, or 1.111¢, per kWh. This increase
2 is due to an increase in forecasted period costs and a large undercollection.
3 The forecasted period, August 2020 through July 2021, reflects higher
4 transmission costs compared to the forecast used for the period August 2019
5 through July 2020. The August 1, 2020 undercollection is the result of costs
6 coming in above forecast for the August 2019 through July 2020 period,
7 including a substantial estimated annual true-up from Eversource, as well as
8 decreased revenue due to lower sales and the inclusion of the VMP/REP
9 reconciliation undercollected balance. In addition, the proposed rate is
10 impacted by lower forecasted sales for the rate period August 2020-July 2021
11 versus forecasted sales used in the prior filing for the rate period August 2019-
12 July 2020.
13
- 14 Q. Have you provided a reconciliation of costs and revenues in the EDC?
- 15 A. Schedule LSM-2 provides the reconciliation of EDC costs and revenues.
16 Pages 2 and 3 provide the reconciliation for the two prior periods, August
17 2018 through July 2019 and August 2019 through July 2020. These pages
18 reflect actual data for the period August 2018 through May 2020 and
19 estimated data for the remainder of the period. As noted, June 2020 includes
20 the VMP/REP reconciliation balance, totaling \$337,289, as filed in DE 20-027
21 on March 5, 2020.
22

1 Page 4 of Schedule LSM-2 provides the reconciliation for the forecast rate
2 period, August 2020 through July 2021. Interest is computed on average
3 monthly balances using the prime rate, as described in the tariff. Detail on
4 monthly revenue is shown on Schedule LSM-2, Page 5.

5

6 **V. TARIFF CHANGES AND BILL IMPACTS**

7 Q. Has UES included tariff changes to reflect the proposed rate changes for effect
8 August 1, 2020?

9 A. Schedule LSM-3, Page 1 and 2 are redline tariffs of the SCC and EDC.

10 Please note that these pages are essentially the same as provided in Page 1 of
11 Schedules LSM-1 and 2. The proposed SCC and EDC are both incorporated
12 into revised tariff Pages 4 and 5, Summary of Delivery Service Rates and
13 Page 6, Summary of Low-Income Electric Assistance Program Discounts
14 which are provided on pages 3, 4, and 5, respectively, of Schedule LSM-3.

15

16 In addition to these pages incorporating the proposed rates, Schedule LSM-3,
17 Page 6, Schedule EDC, has been included to correct a typographical error.

18

19 Q. Have you included any bill impacts as a result of proposed rate changes
20 effective August 1, 2020?

21 A. Yes, rate changes and bill impacts as a result of changes to the SCC and EDC
22 have been provided in Schedule LSM-4. Pages 1 through 3 provide a

1 comparison of existing rates to the proposed rates for all the rate classes.

2 These pages also show the impact on a typical bill for each class in order to
3 identify the effect of each rate component on a typical bill.

4

5 Page 4 shows bill impacts to the residential class based on the mean and median
6 use. Page 4 is provided in a format similar to Pages 1 through 3.

7

8 Page 5 provides the overall average class bill impact as a result of these
9 proposed changes. As shown, for customers on Default Service, the
10 residential class average bill will increase about 6.7%. General Service (G2)
11 average bills will increase about 7.7%. Large General Service (G1) average
12 bills will increase about 10.9%. Outdoor lighting average bills will increase
13 about 3.4%.

14

15 Pages 6 through 11 of Schedule LSM-4 provide typical bill impacts for all
16 classes for a range of usage levels.

17

18 Q. What is the impact of the proposed rates on a typical residential bill compared
19 to rates that were in effect last August?

20 A. Compared to rates effective August 1, 2019, a residential customer on default
21 service, using 650 kWh a month, would see an increase of \$3.56, or 3.2%
22 under the proposed August 1, 2020 rates.

1 Q. Have you prepared a comparison of a residential typical bill in 2019 versus
2 2020?

3 A. In calendar year 2019, a residential customer on fixed default service using
4 650 kWh a month had an average bill of \$121.41. While the December 2020
5 fixed default service charge is unknown at this time, assuming no change from
6 last winter's rate of \$0.10330 per kWh, a residential customer on fixed default
7 service using 650 kWh a month would have an average bill of \$120.22 in
8 calendar year 2020. That is a decrease of \$1.19 or 1%.

9

10 **VI. CONCLUSION**

11 Q. Does that conclude your testimony?

12 A. Yes, it does.

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UNITIL ENERGY SYSTEMS, INC.
CALCULATION OF THE STRANDED COST CHARGE
Effective August 1, 2020

Uniform per kWh Charge

1. (Over)/under Recovery - Beginning Balance August 1, 2020	(\$119,299)	Page 2 of 4
2. Estimated Total Costs (August 2020 - July 2021)	(\$147,563)	Page 2 of 4
3. Estimated Interest (August 2020 - July 2021)	<u>(\$3,241)</u>	Page 2 of 4
4. Costs to be Recovered (L.1 + L.2 + L.3)	(\$270,103)	
5. Estimated Calendar Month Deliveries in kWh (August 2020 - July 2021) (1)	<u>1,092,761,223</u>	
6. Stranded Cost Charge (\$/kWh) (L.4 / L.5)	(\$0.00025)	

Development of Class Stranded Cost Charge

Class D, D - Controlled Off Peak Water Heating, G2 - kWh meter,
G2 - Quick Recovery Water Heating, G2 - Space Heating,
G2 Controlled Off Peak Water Heating, OL

7. Stranded Cost Charge (\$/kWh) (L.6)	(\$0.00025)
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Class G2 (2)

8. Estimated G2 Demand Revenue (August 2020- July 2021)	(\$58,426)
9. Estimated G2 Deliveries in kW (August 2020 - July 2021)	<u>1,158,830</u>
10. Stranded Cost Charge (\$/kW) (L. 8 / L. 9)	(\$0.05)
11. G2 Energy Revenue (August 2020 - July 2021)	(\$14,760)
12. Estimated G2 Calendar Month Deliveries in kWh (August 2020 - July 2021) (1)	<u>292,744,302</u>
13. Stranded Cost Charge (\$/kWh) (L.11 / L.12)	(\$0.00005)

Class G1 (2)

14. Estimated G1 Demand Revenue (August 2020 - July 2021)	(\$56,554)
15. Estimated G1 Deliveries in kVA (August 2020 - July 2021)	<u>947,891</u>
16. Stranded Cost Charge (\$/kVA) (L. 14 / L. 15)	(\$0.06)
17. G1 Energy Revenue (August 2020 - July 2021)	(\$17,727)
18. Estimated G1 Calendar Month Deliveries in kWh (August 2020 - July 2021) (1)	<u>297,124,979</u>
19. Stranded Cost Charge (\$/kWh) (L.17 / L.18)	(\$0.00006)

(1) Schedule LSM-2, page 1.		Schedule LSM-1, page 3.		Schedule LSM-1, page 3.	
Total Company		<u>G2 Demand</u>		<u>G1 Demand</u>	
Aug 2020-Jul 2021 Billed kWh	1,092,108,609	Aug 2020-Jul 2021 Billed kWh	291,914,147	Aug 2020-Jul 2021 Billed kWh	296,922,600
- July 2020 Unbilled kWh	(50,718,656)	- July 2020 Unbilled kWh	(13,073,560)	- July 2020 Unbilled kWh	(13,286,455)
+ July 2021 Unbilled kWh	<u>51,371,269</u>	+ July 2021 Unbilled kWh	<u>13,903,715</u>	+ July 2021 Unbilled kWh	<u>13,488,834</u>
Calendar Month Deliveries	1,092,761,223	Calendar Month Deliveries	292,744,302	Calendar Month Deliveries	297,124,979

(2) Demand and energy calculated based on ratio of demand and energy revenue under current rates.

Calculation of Class G2 and G1 Demand and Energy Components

	Units (Aug 20 - Jul 21)	Current Rates	Revenue under current rates	% of Total	Revenue at Proposed Rates
G2 kW	1,158,830	(\$0.02)	(\$23,177)	80%	(\$58,426)
G2 kWh	292,744,302	(\$0.00002)	(\$5,855)	20%	(\$14,760)
Total			(\$29,031)	100%	(\$73,186)
G1 kVA	947,891	(\$0.03)	(\$28,437)	76%	(\$56,554)
G1 kWh	297,124,979	(\$0.00003)	(\$8,914)	24%	(\$17,727)
Total			(\$37,350)	100%	(\$74,281)

Unitil Energy Systems, Inc.
Reconciliation of Stranded Costs and Revenues

Schedule LSM-1
Page 2 of 4

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance	Average	Interest	Number of	Computed	Ending Balance
		Balance			Before Interest	Monthly	Rate	Days /	Interest	with Interest
					(a + b - c)	Balance ((a+d)		Month		(d + h)
						/ 2)				
Aug-18	Actual	(\$443,894)	(\$48,231)	(\$108,552)	(\$383,573)	(\$413,733)	4.75%	31	(\$1,669)	(\$385,242)
Sep-18	Actual	(\$385,242)	(\$61,187)	(\$108,226)	(\$338,203)	(\$361,723)	4.75%	30	(\$1,412)	(\$339,615)
Oct-18	Actual	(\$339,615)	(\$68,359)	(\$95,002)	(\$312,972)	(\$326,294)	5.00%	31	(\$1,386)	(\$314,357)
Nov-18	Actual	(\$314,357)	(\$56,911)	(\$95,700)	(\$275,568)	(\$294,963)	5.00%	30	(\$1,212)	(\$276,780)
Dec-18	Actual	(\$276,780)	(\$56,163)	(\$104,160)	(\$228,784)	(\$252,782)	5.00%	31	(\$1,073)	(\$229,857)
Jan-19	Actual	(\$229,857)	(\$224)	(\$109,327)	(\$120,754)	(\$175,306)	5.25%	31	(\$782)	(\$121,536)
Feb-19	Actual	(\$121,536)	(\$45,784)	(\$97,286)	(\$70,034)	(\$95,785)	5.25%	28	(\$386)	(\$70,420)
Mar-19	Actual	(\$70,420)	(\$44,476)	(\$97,750)	(\$17,145)	(\$43,782)	5.25%	31	(\$195)	(\$17,340)
Apr-19	Actual	(\$17,340)	(\$49,781)	(\$87,468)	\$20,347	\$1,503	5.50%	30	\$7	\$20,354
May-19	Actual	\$20,354	(\$52,736)	(\$90,632)	\$58,250	\$39,302	5.50%	31	\$184	\$58,434
Jun-19	Actual	\$58,434	(\$23,365)	(\$98,225)	\$133,294	\$95,864	5.50%	30	\$433	\$133,727
Jul-19	Actual	\$133,727	<u>(\$32,201)</u>	<u>(\$117,669)</u>	\$219,195	\$176,461	5.50%	31	<u>\$824</u>	\$220,019
Total Aug-18 to Jul-19			(\$539,418)	(\$1,209,998)					(\$6,667)	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance	Average	Interest	Number of	Computed	Ending Balance
		Balance			Before Interest	Monthly	Rate	Days /	Interest	with Interest
					(a + b - c)	Balance ((a+d)		Month		(d + h)
						/ 2)				
Aug-19	Actual	\$220,019	(\$65,276)	(\$26,454)	\$181,197	\$200,608	5.50%	31	\$937	\$182,134
Sep-19	Actual	\$182,134	(\$73,756)	(\$10,598)	\$118,976	\$150,555	5.50%	30	\$681	\$119,657
Oct-19	Actual	\$119,657	(\$36,490)	(\$10,338)	\$93,505	\$106,581	5.25%	31	\$475	\$93,980
Nov-19	Actual	\$93,980	(\$51,270)	(\$10,432)	\$93,142	\$73,561	5.25%	30	\$317	\$53,459
Dec-19	Actual	\$53,459	(\$11,510)	(\$11,682)	\$53,631	\$53,545	5.25%	31	\$239	\$53,870
Jan-20	Actual	\$53,870	(\$32,858)	(\$11,640)	\$32,652	\$43,261	4.75%	31	\$174	\$32,826
Feb-20	Actual	\$32,826	(\$18,624)	(\$10,435)	\$24,637	\$28,732	4.75%	29	\$108	\$24,745
Mar-20	Actual	\$24,745	(\$42,669)	(\$10,621)	(\$7,303)	\$8,721	4.75%	31	\$35	(\$7,268)
Apr-20	Actual	(\$7,268)	(\$37,508)	(\$9,888)	(\$34,887)	(\$21,077)	4.75%	30	(\$82)	(\$34,969)
May-20	Actual	(\$34,969)	(\$45,861)	(\$9,711)	(\$71,120)	(\$53,044)	4.75%	31	(\$213)	(\$71,333)
Jun-20	Estimate	(\$71,333)	(\$40,292)	(\$11,390)	(\$100,235)	(\$85,784)	4.75%	30	(\$334)	(\$100,569)
Jul-20	Estimate	(\$100,569)	<u>(\$29,518)</u>	<u>(\$11,090)</u>	(\$118,997)	(\$109,783)	3.25%	31	<u>(\$302)</u>	(\$119,299)
Total Aug-19 to Jul-20			(\$485,633)	(\$144,280)					\$2,035	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance	Average	Interest	Number of	Computed	Ending Balance
		Balance			Before Interest	Monthly	Rate	Days /	Interest	with Interest
					(a + b - c)	Balance ((a+d)		Month		(d + h)
						/ 2)				
Aug-20	Estimate	(\$119,299)	(\$29,518)	(\$27,138)	(\$121,680)	(\$120,489)	3.25%	31	(\$332)	(\$122,011)
Sep-20	Estimate	(\$122,011)	(\$29,518)	(\$23,893)	(\$127,636)	(\$124,824)	3.25%	30	(\$333)	(\$127,969)
Oct-20	Estimate	(\$127,969)	(\$29,518)	(\$19,208)	(\$138,279)	(\$133,124)	3.25%	31	(\$366)	(\$138,646)
Nov-20	Estimate	(\$138,646)	(\$29,504)	(\$22,000)	(\$146,150)	(\$142,398)	3.25%	30	(\$379)	(\$146,529)
Dec-20	Estimate	(\$146,529)	(\$29,504)	(\$22,657)	(\$153,376)	(\$149,952)	3.25%	31	(\$413)	(\$153,789)
Jan-21	Estimate	(\$153,789)	\$0	(\$23,015)	(\$130,773)	(\$142,281)	3.25%	31	(\$393)	(\$131,166)
Feb-21	Estimate	(\$131,166)	\$0	(\$23,013)	(\$108,153)	(\$119,660)	3.25%	28	(\$298)	(\$108,452)
Mar-21	Estimate	(\$108,452)	\$0	(\$23,875)	(\$84,577)	(\$96,514)	3.25%	31	(\$266)	(\$84,843)
Apr-21	Estimate	(\$84,843)	\$0	(\$19,652)	(\$65,191)	(\$75,017)	3.25%	30	(\$200)	(\$65,391)
May-21	Estimate	(\$65,391)	\$0	(\$22,750)	(\$42,641)	(\$54,016)	3.25%	31	(\$149)	(\$42,790)
Jun-21	Estimate	(\$42,790)	\$0	(\$21,451)	(\$21,339)	(\$32,065)	3.25%	30	(\$86)	(\$21,425)
Jul-21	Estimate	(\$21,425)	<u>\$0</u>	<u>(\$24,339)</u>	\$2,914	(\$9,255)	3.25%	31	<u>(\$26)</u>	\$2,889
Total Aug-20 to Jul-21			(\$147,563)	(\$272,992)					(\$3,241)	

Detail of Unbilled Factors for Residential and Outdoor Lighting Classes for use in all classes except G2 demand and G1 (column b, Page 3)

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Aug-18	54,774,513	23,265,321	42.5%
Sep-18	46,973,380	18,932,975	40.3%
Oct-18	35,756,404	18,356,042	51.3%
Nov-18	36,999,730	21,643,696	58.5%
Dec-18	45,958,446	22,496,299	48.9%
Jan-19	49,238,737	25,639,801	52.1%
Feb-19	45,225,691	20,680,312	45.7%
Mar-19	41,910,688	19,785,197	47.2%
Apr-19	36,929,587	15,466,035	41.9%
May-19	33,757,853	16,072,574	47.6%
Jun-19	32,721,759	23,080,453	70.5%
Jul-19	48,988,556	27,359,015	55.8%
Aug-19	52,651,140	20,950,940	39.8%
Sep-19	37,138,760	18,847,142	50.7%
Oct-19	36,059,137	17,072,395	47.3%
Nov-19	34,058,655	21,467,236	63.0%
Dec-19	43,190,750	26,426,007	61.2%
Jan-20	48,536,803	25,889,372	53.3%
Feb-20	44,097,042	19,734,463	44.8%
Mar-20	42,435,178	16,980,367	40.0%
Apr-20	37,562,624	17,616,324	46.9%
May-20	35,489,133	18,380,874	51.8%

Detail of Unbilled Factors for Regular General Class for use in G2 demand class (column g, Page 3)

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Aug-18	35,248,219	15,826,556	44.9%
Sep-18	31,812,076	14,555,291	45.8%
Oct-18	27,601,982	14,169,857	51.3%
Nov-18	25,957,842	14,012,328	54.0%
Dec-18	30,195,797	14,838,587	49.1%
Jan-19	29,861,237	14,700,357	49.2%
Feb-19	29,599,233	13,850,160	46.8%
Mar-19	28,674,707	14,642,477	51.1%
Apr-19	27,462,337	12,711,315	46.3%
May-19	26,308,676	12,525,919	47.6%
Jun-19	26,142,400	16,161,876	61.8%
Jul-19	33,328,954	17,036,275	51.1%
Aug-19	34,399,113	14,668,555	42.6%
Sep-19	27,237,124	14,821,510	54.4%
Oct-19	27,848,901	13,185,214	47.3%
Nov-19	24,565,834	14,377,216	58.5%
Dec-19	27,353,550	16,074,705	58.8%
Jan-20	29,826,792	15,383,603	51.6%
Feb-20	29,351,410	13,617,000	46.4%
Mar-20	28,663,767	11,665,960	40.7%
Apr-20	21,423,175	10,114,388	47.2%
May-20	20,485,356	10,609,973	51.8%

Detail of Unbilled Factors for Large General Class for use in G1 class (column i, Page 3)

	Billed kWh	Direct Estimate of Unbilled kWh	Unbilled kWh / Billed kWh
Aug-18	33,810,990	16,533,152	48.9%
Sep-18	31,095,868	16,689,264	53.7%
Oct-18	29,080,302	14,928,773	51.3%
Nov-18	25,745,662	13,400,046	52.0%
Dec-18	26,844,281	13,215,844	49.2%
Jan-19	26,979,309	12,865,368	47.7%
Feb-19	26,620,046	12,593,260	47.3%
Mar-19	25,767,182	13,607,881	52.8%
Apr-19	26,251,027	12,616,574	48.1%
May-19	26,311,636	12,527,328	47.6%
Jun-19	26,101,159	13,817,212	52.9%
Jul-19	31,937,058	14,120,480	44.2%
Aug-19	31,487,105	14,876,605	47.2%
Sep-19	26,550,095	15,651,181	58.9%
Oct-19	28,768,997	13,620,838	47.3%
Nov-19	25,181,926	14,261,014	56.6%
Dec-19	25,883,060	14,892,688	57.5%
Jan-20	27,162,976	13,733,614	50.6%
Feb-20	27,360,368	12,926,860	47.2%
Mar-20	27,375,056	11,236,663	41.0%
Apr-20	23,199,379	11,001,277	47.4%
May-20	23,230,381	12,031,703	51.8%

UNITIL ENERGY SYSTEMS, INC.
CALCULATION OF THE EXTERNAL DELIVERY CHARGE
Effective August 1, 2020

	<u>Calculation of the EDC</u>	<u>Calculation of the EDC/Transmission Only</u>	<u>Calculation of the EDC/Non-Transmission</u>	
1. (Over)/under Recovery - Beginning Balance August 1, 2020	\$4,645,717	\$4,401,031	\$244,686	Page 4 of 6
2. Estimated Total Costs (August 2020 - July 2021)	\$34,759,950	\$35,230,833	(\$470,883)	Page 4 of 6
3. Estimated Interest (August 2020 - July 2021)	<u>\$71,489</u>	<u>\$60,078</u>	<u>\$11,411</u>	Page 4 of 6
4. Costs to be Recovered (L. 1 + L.2 + L.3)	\$39,477,156	\$39,691,942	(\$214,786)	L. 1 + L.2 + L.3
5. Estimated Calendar Month Deliveries in kWh (August 2020 - July 2021) (1)	<u>1,092,761,223</u>	<u>1,092,761,223</u>	<u>1,092,761,223</u>	
6. External Delivery Charge (\$/kWh) (L. 4 / L. 5)	\$0.03613	\$0.03632	(\$0.00019)	
(1) Schedule LSM-2, page 5.	August 2020 - July 2021 Billed kWh - July 2020 Unbilled kWh + July 2021 Unbilled kWh Calendar Month Deliveries	1,092,108,609 (50,718,656) 51,371,269 1,092,761,223		

Unitil Energy Systems, Inc.
Reconciliation of External Delivery Costs and Revenues

Schedule LSM-2
Page 2 of 6

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Transmission Costs Only										
Aug-18	Actual	\$1,019,103	\$3,209,061	\$2,947,195	\$1,280,969	\$1,150,036	4.75%	31	\$4,640	\$1,285,608
Sep-18	Actual	\$1,285,608	\$2,673,993	\$2,608,522	\$1,351,080	\$1,318,344	4.75%	30	\$5,147	\$1,356,226
Oct-18	Actual	\$1,356,226	\$2,421,207	\$2,240,965	\$1,536,469	\$1,446,348	5.00%	31	\$6,142	\$1,542,611
Nov-18	Actual	\$1,542,611	\$2,077,001	\$2,255,729	\$1,363,882	\$1,453,247	5.00%	30	\$5,972	\$1,369,855
Dec-18	Actual	\$1,369,855	\$2,156,063	\$2,610,335	\$915,583	\$1,142,719	5.00%	31	\$4,853	\$920,436
Jan-19	Actual	\$920,436	\$2,402,743	\$2,716,131	\$607,048	\$763,742	5.25%	31	\$3,405	\$610,453
Feb-19	Actual	\$610,453	\$2,338,620	\$2,382,183	\$566,890	\$588,672	5.25%	28	\$2,371	\$569,261
Mar-19	Actual	\$569,261	\$2,260,609	\$2,429,668	\$400,203	\$484,732	5.25%	31	\$2,161	\$402,364
Apr-19	Actual	\$402,364	\$2,097,778	\$2,083,383	\$416,759	\$409,562	5.50%	30	\$1,851	\$418,611
May-19	Actual	\$418,611	\$2,134,251	\$2,166,024	\$386,838	\$402,724	5.50%	31	\$1,881	\$388,719
Jun-19	Actual	\$388,719	\$2,105,907	\$2,420,488	\$74,139	\$231,429	5.50%	30	\$1,046	\$75,185
Jul-19	Actual	\$75,185	\$3,223,380	\$2,990,402	\$308,163	\$191,674	5.50%	31	\$895	\$309,058
Total Aug-18 to Jul-19			\$29,100,614	\$29,851,024					\$40,365	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
All Remaining EDC Costs (Non-Transmission)										
Aug-18	Actual	(\$932,008)(1)	\$192,957	(\$128,620)	(\$610,431)	(\$771,219)	4.75%	31	(\$3,111)	(\$613,542)
Sep-18	Actual	(\$613,542)	(\$294,236)	(\$113,846)	(\$793,932)	(\$703,737)	4.75%	30	(\$2,747)	(\$796,679)
Oct-18	Actual	(\$796,679)	\$45,458	(\$97,805)	(\$653,416)	(\$725,048)	5.00%	31	(\$3,079)	(\$656,495)
Nov-18	Actual	(\$656,495)	\$52,266	(\$98,447)	(\$505,783)	(\$581,139)	5.00%	30	(\$2,388)	(\$508,171)
Dec-18	Actual	(\$508,171)	\$59,806	(\$113,917)	(\$334,447)	(\$421,309)	5.00%	31	(\$1,789)	(\$336,236)
Jan-19	Actual	(\$336,236)	(\$324,598)	(\$118,539)	(\$542,296)	(\$439,266)	5.25%	31	(\$1,959)	(\$544,254)
Feb-19	Actual	(\$544,254)	\$46,866	(\$103,971)	(\$393,418)	(\$468,836)	5.25%	28	(\$1,888)	(\$395,306)
Mar-19	Actual	(\$395,306)	\$53,538	(\$106,055)	(\$235,714)	(\$315,510)	5.25%	31	(\$1,407)	(\$237,120)
Apr-19	Actual	(\$237,120)	(\$285,515)	(\$90,949)	(\$431,686)	(\$334,403)	5.50%	30	(\$1,512)	(\$433,198)
May-19	Actual	(\$433,198)	\$56,077	(\$94,561)	(\$282,559)	(\$357,878)	5.50%	31	(\$1,672)	(\$284,231)
Jun-19	Actual	(\$284,231)	\$53,482	(\$105,667)	(\$125,082)	(\$204,656)	5.50%	30	(\$925)	(\$126,007)
Jul-19	Actual	(\$126,007)	(\$357,031)	(\$130,556)	(\$352,482)	(\$239,244)	5.50%	31	(\$1,118)	(\$353,599)
Total Aug-18 to Jul-19			(\$700,930)	(\$1,302,934)					(\$23,595)	

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Total External Delivery Charge										
Aug-18	Actual	\$87,096 (1)	\$3,402,017	\$2,818,575	\$670,538	\$378,817	4.75%	31	\$1,528	\$672,066
Sep-18	Actual	\$672,066	\$2,379,758	\$2,494,676	\$557,148	\$614,607	4.75%	30	\$2,399	\$559,547
Oct-18	Actual	\$559,547	\$2,466,665	\$2,143,159	\$883,053	\$721,300	5.00%	31	\$3,063	\$886,116
Nov-18	Actual	\$886,116	\$2,129,266	\$2,157,283	\$858,100	\$872,108	5.00%	30	\$3,584	\$861,684
Dec-18	Actual	\$861,684	\$2,215,870	\$2,496,418	\$581,136	\$721,410	5.00%	31	\$3,064	\$584,199
Jan-19	Actual	\$584,199	\$2,078,145	\$2,597,592	\$64,752	\$324,476	5.25%	31	\$1,447	\$66,199
Feb-19	Actual	\$66,199	\$2,385,486	\$2,278,212	\$173,473	\$119,836	5.25%	28	\$483	\$173,955
Mar-19	Actual	\$173,955	\$2,314,147	\$2,323,613	\$164,489	\$169,222	5.25%	31	\$755	\$165,244
Apr-19	Actual	\$165,244	\$1,812,263	\$1,992,433	(\$14,927)	\$75,158	5.50%	30	\$340	(\$14,587)
May-19	Actual	(\$14,587)	\$2,190,328	\$2,071,462	\$104,279	\$44,846	5.50%	31	\$209	\$104,488
Jun-19	Actual	\$104,488	\$2,159,389	\$2,314,821	(\$50,943)	\$26,773	5.50%	30	\$121	(\$50,822)
Jul-19	Actual	(\$50,822)	\$2,866,350	\$2,859,846	(\$44,319)	(\$47,570)	5.50%	31	(\$222)	(\$44,541)
Total Aug-18 to Jul-19			\$28,399,684	\$28,548,091					\$16,770	

(1) In accordance with DE 18-096, balances associated with Hurricane Sandy and Hurricane Irene/Snowtober, totaling \$63,670, have been moved for final reconciliation through the External Delivery Charge.

Unitil Energy Systems, Inc.
Reconciliation of External Delivery Costs and Revenues

Schedule LSM-2
Page 3 of 6

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Transmission Costs Only										
Aug-19	Actual	\$309,058	\$3,062,413	\$2,891,604	\$479,868	\$394,463	5.50%	31	\$1,843	\$481,711
Sep-19	Actual	\$481,711	\$2,397,413	\$2,342,457	\$536,667	\$509,189	5.50%	30	\$2,302	\$538,968
Oct-19	Actual	\$538,968	\$2,033,814	\$2,276,882	\$295,900	\$417,434	5.25%	31	\$1,861	\$297,761
Nov-19	Actual	\$297,761	\$2,129,218	\$2,349,880	\$77,099	\$187,430	5.25%	30	\$809	\$77,908
Dec-19	Actual	\$77,908	\$2,396,812	\$2,706,996	(\$232,276)	(\$77,184)	5.25%	31	(\$344)	(\$232,620)
Jan-20	Actual	(\$232,620)	\$2,354,606	\$2,692,002	(\$570,016)	(\$401,318)	4.75%	31	(\$1,615)	(\$571,630)
Feb-20	Actual	(\$571,630)	\$2,032,592	\$2,403,338	(\$942,376)	(\$757,003)	4.75%	29	(\$2,849)	(\$945,225)
Mar-20	Actual	(\$945,225)	\$2,554,624	\$2,403,291	(\$793,892)	(\$869,558)	4.75%	31	(\$3,498)	(\$797,390)
Apr-20	Actual	(\$797,390)	\$2,223,670	\$2,115,018	(\$688,738)	(\$743,064)	4.75%	30	(\$2,893)	(\$691,631)
May-20	Actual	(\$691,631)	\$2,955,604	\$2,127,053	\$136,920	(\$277,355)	4.75%	31	(\$1,116)	\$135,804
Jun-20	Estimate	\$135,804	\$5,713,007	\$2,520,512	\$3,328,299	\$1,732,052	4.75%	30	\$6,744	\$3,335,042
Jul-20	Estimate	\$3,335,042	\$3,621,397	\$2,566,042	\$4,390,398	\$3,862,720	3.25%	31	\$10,633	\$4,401,031
Total Aug-19 to Jul-20			\$33,475,170	\$29,395,073					\$11,876	
All Remaining EDC Costs (Non-Transmission)										
Aug-19	Actual	(\$840,856)(1)	\$301,016	(\$119,726)	(\$420,114)	(\$630,485)	5.50%	31	(\$9,763)(2)	(\$429,877)
Sep-19	Actual	(\$429,877)	\$20,494	(\$96,996)	(\$312,387)	(\$371,132)	5.50%	30	(\$1,678)	(\$314,065)
Oct-19	Actual	(\$314,065)	(\$270,842)	(\$94,294)	(\$490,613)	(\$402,339)	5.25%	31	(\$1,794)	(\$492,407)
Nov-19	Actual	(\$492,407)	\$63,022	(\$97,302)	(\$332,083)	(\$412,245)	5.25%	30	(\$1,779)	(\$333,861)
Dec-19	Actual	(\$333,861)	\$61,001	(\$112,061)	(\$160,800)	(\$247,330)	5.25%	31	(\$1,103)	(\$161,902)
Jan-20	Actual	(\$161,902)	(\$344,413)	(\$111,442)	(\$394,874)	(\$278,388)	4.75%	31	(\$1,120)	(\$395,994)
Feb-20	Actual	(\$395,994)	\$70,546	(\$99,521)	(\$225,927)	(\$310,960)	4.75%	29	(\$1,170)	(\$227,097)
Mar-20	Actual	(\$227,097)	\$79,917	(\$99,574)	(\$47,606)	(\$137,352)	4.75%	31	(\$553)	(\$48,159)
Apr-20	Actual	(\$48,159)	\$62,635	(\$87,632)	\$102,108	\$26,974	4.75%	30	\$105	\$102,213
May-20	Actual	\$102,213	(\$288,178)	(\$88,133)	(\$97,832)	\$2,190	4.75%	31	\$9	(\$97,823)
Jun-20	Estimate	\$239,466 (3)	\$79,279	(\$104,297)	\$423,041	\$331,254	4.75%	30	\$1,290	\$424,331
Jul-20	Estimate	\$424,331	(\$286,745)	(\$106,181)	\$243,767	\$334,049	3.25%	31	\$920	\$244,686
Total Aug-19 to Jul-20			(\$452,269)	(\$1,217,158)					(\$16,636)	
Total External Delivery Charge										
Aug-19	Actual	(\$531,798)(1)	\$3,363,429	\$2,771,878	\$59,754	(\$236,022)	5.50%	31	(\$7,920)(2)	\$51,834
Sep-19	Actual	\$51,834	\$2,417,907	\$2,245,461	\$224,280	\$138,057	5.50%	30	\$624	\$224,904
Oct-19	Actual	\$224,904	\$1,762,972	\$2,182,589	(\$194,713)	\$15,095	5.25%	31	\$67	(\$194,645)
Nov-19	Actual	(\$194,645)	\$2,192,240	\$2,252,578	(\$254,983)	(\$224,814)	5.25%	30	(\$970)	(\$255,953)
Dec-19	Actual	(\$255,953)	\$2,457,813	\$2,594,935	(\$393,075)	(\$324,514)	5.25%	31	(\$1,447)	(\$394,522)
Jan-20	Actual	(\$394,522)	\$2,010,193	\$2,580,560	(\$964,890)	(\$679,706)	4.75%	31	(\$2,735)	(\$967,624)
Feb-20	Actual	(\$967,624)	\$2,103,138	\$2,303,817	(\$1,168,302)	(\$1,067,963)	4.75%	29	(\$4,019)	(\$1,172,322)
Mar-20	Actual	(\$1,172,322)	\$2,634,541	\$2,303,717	(\$841,498)	(\$1,006,910)	4.75%	31	(\$4,051)	(\$845,549)
Apr-20	Actual	(\$845,549)	\$2,286,305	\$2,027,386	(\$586,630)	(\$716,090)	4.75%	30	(\$2,788)	(\$589,418)
May-20	Actual	(\$589,418)	\$2,667,426	\$2,038,920	\$39,088	(\$275,165)	4.75%	31	(\$1,107)	\$37,981
Jun-20	Estimate	\$375,270 (3)	\$5,792,285	\$2,416,215	\$3,751,340	\$2,063,305	4.75%	30	\$8,033	\$3,759,374
Jul-20	Estimate	\$3,759,374	\$3,334,651	\$2,459,861	\$4,634,164	\$4,196,769	3.25%	31	\$11,553	\$4,645,717
Total Aug-19 to Jul-20			\$33,022,901	\$28,177,915					(\$4,760)	

(1) Includes VMP/REP reconciliation of (\$487,257), approved DE 19-111 on July 31, 2019 for effect May 1, 2019.
(2) Includes interest adjustment of (\$6,817.81) related to VMP/REP balance.
(3) Estimate includes VMP/REP reconciliation of \$337,289, as filed in DE 20-027 on March 5, 2020.

Unitil Energy Systems, Inc.
Reconciliation of External Delivery Costs and Revenues

Schedule LSM-2
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		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Transmission Costs Only										
Aug-20	Estimate	\$4,401,031	\$3,539,678	\$4,325,652	\$3,615,057	\$4,008,044	3.25%	31	\$11,033	\$3,626,090
Sep-20	Estimate	\$3,626,090	\$3,131,653	\$3,140,054	\$3,617,689	\$3,621,890	3.25%	30	\$9,648	\$3,627,338
Oct-20	Estimate	\$3,627,338	\$2,496,449	\$2,751,807	\$3,371,980	\$3,499,659	3.25%	31	\$9,634	\$3,381,614
Nov-20	Estimate	\$3,381,614	\$2,637,256	\$3,180,986	\$2,837,883	\$3,109,748	3.25%	30	\$8,284	\$2,846,167
Dec-20	Estimate	\$2,846,167	\$2,913,368	\$3,114,919	\$2,644,616	\$2,745,392	3.25%	31	\$7,557	\$2,652,174
Jan-21	Estimate	\$2,652,174	\$2,923,151	\$3,418,315	\$2,157,009	\$2,404,592	3.25%	31	\$6,637	\$2,163,647
Feb-21	Estimate	\$2,163,647	\$2,794,554	\$3,573,505	\$1,384,695	\$1,774,171	3.25%	28	\$4,423	\$1,389,119
Mar-21	Estimate	\$1,389,119	\$2,638,593	\$3,454,309	\$573,403	\$981,261	3.25%	31	\$2,709	\$576,111
Apr-21	Estimate	\$576,111	\$2,425,056	\$2,791,842	\$209,325	\$392,718	3.25%	30	\$1,049	\$210,374
May-21	Estimate	\$210,374	\$2,775,770	\$3,486,737	(\$500,593)	(\$145,110)	3.25%	31	(\$401)	(\$500,994)
Jun-21	Estimate	(\$500,994)	\$3,333,641	\$2,770,036	\$62,610	(\$219,192)	3.25%	30	(\$586)	\$62,025
Jul-21	Estimate	\$62,025	<u>\$3,621,664</u>	<u>\$3,680,924</u>	\$2,765	\$32,395	3.25%	31	<u>\$89</u>	\$2,854
Total Aug-20 to Jul-21			\$35,230,833	\$39,689,088					\$60,078	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
All Remaining EDC Costs (Non- Transmission)										
Aug-20	Estimate	\$244,686	\$306,447	(\$22,629)	\$573,762	\$409,224	3.25%	31	\$1,126	\$574,888
Sep-20	Estimate	\$574,888	\$63,359	(\$16,426)	\$654,674	\$614,781	3.25%	30	\$1,638	\$656,312
Oct-20	Estimate	\$656,312	(\$311,641)	(\$14,395)	\$359,067	\$507,689	3.25%	31	\$1,398	\$360,464
Nov-20	Estimate	\$360,464	\$63,359	(\$16,641)	\$440,464	\$400,464	3.25%	30	\$1,067	\$441,531
Dec-20	Estimate	\$441,531	\$68,359	(\$16,295)	\$526,185	\$483,858	3.25%	31	\$1,332	\$527,517
Jan-21	Estimate	\$527,517	(\$311,696)	(\$17,882)	\$233,704	\$380,611	3.25%	31	\$1,051	\$234,754
Feb-21	Estimate	\$234,754	\$68,406	(\$18,694)	\$321,855	\$278,305	3.25%	28	\$694	\$322,549
Mar-21	Estimate	\$322,549	\$66,304	(\$18,070)	\$406,924	\$364,736	3.25%	31	\$1,007	\$407,930
Apr-21	Estimate	\$407,930	(\$311,696)	(\$14,605)	\$110,840	\$259,385	3.25%	30	\$693	\$111,532
May-21	Estimate	\$111,532	\$63,304	(\$18,240)	\$193,077	\$152,305	3.25%	31	\$420	\$193,497
Jun-21	Estimate	\$193,497	\$63,304	(\$14,491)	\$271,293	\$232,395	3.25%	30	\$621	\$271,913
Jul-21	Estimate	\$271,913	<u>(\$298,696)</u>	<u>(\$19,256)</u>	(\$7,526)	\$132,193	3.25%	31	<u>\$365</u>	(\$7,161)
Total Aug-20 to Jul-21			(\$470,883)	(\$207,625)					\$11,411	
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
		Beginning	Total Costs	Total Revenue	Ending Balance Before Interest (a + b - c)	Average Monthly Balance ((a+d) / 2)	Interest Rate	Number of Days / Month	Computed Interest	Ending Balance with Interest (d + h)
Total External Delivery Charge										
Aug-20	Estimate	\$4,645,717	\$3,846,125	\$4,303,023	\$4,188,818	\$4,417,268	3.25%	31	\$12,160	\$4,200,978
Sep-20	Estimate	\$4,200,978	\$3,195,012	\$3,123,627	\$4,272,363	\$4,236,671	3.25%	30	\$11,286	\$4,283,650
Oct-20	Estimate	\$4,283,650	\$2,184,809	\$2,737,412	\$3,731,047	\$4,007,348	3.25%	31	\$11,031	\$3,742,078
Nov-20	Estimate	\$3,742,078	\$2,700,615	\$3,164,346	\$3,278,347	\$3,510,213	3.25%	30	\$9,351	\$3,287,698
Dec-20	Estimate	\$3,287,698	\$2,981,727	\$3,098,624	\$3,170,802	\$3,229,250	3.25%	31	\$8,889	\$3,179,691
Jan-21	Estimate	\$3,179,691	\$2,611,455	\$3,400,433	\$2,390,713	\$2,785,202	3.25%	31	\$7,688	\$2,398,401
Feb-21	Estimate	\$2,398,401	\$2,862,961	\$3,554,811	\$1,706,550	\$2,052,476	3.25%	28	\$5,117	\$1,711,667
Mar-21	Estimate	\$1,711,667	\$2,704,898	\$3,436,239	\$980,326	\$1,345,997	3.25%	31	\$3,715	\$984,042
Apr-21	Estimate	\$984,042	\$2,113,360	\$2,777,238	\$320,164	\$652,103	3.25%	30	\$1,742	\$321,906
May-21	Estimate	\$321,906	\$2,839,075	\$3,468,497	(\$307,516)	\$7,195	3.25%	31	\$20	(\$307,497)
Jun-21	Estimate	(\$307,497)	\$3,396,945	\$2,755,545	\$333,903	\$13,203	3.25%	30	\$35	\$333,938
Jul-21	Estimate	\$333,938	<u>\$3,322,969</u>	<u>\$3,661,668</u>	(\$4,761)	\$164,588	3.25%	31	<u>\$454</u>	(\$4,307)
Total Aug-20 to Jul-21			\$34,759,950	\$39,481,463					\$71,489	

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
	Total Billed kWh (1)	Unbilled Factor (2)	Unbilled kWh (a * b)	EDC (\$/kWh) (d)	Unbilled EDC Revenue (c * d)	Reversal of prior month unbilled (f)	Total Billed EDC Revenue (1) (g)	Total Revenue (e + f + g)	EDC Revenue Allocated to Transmission Only (3)	EDC Revenue Allocated to Non-Transmission (4)
Aug-18 Actual	123,833,722	44.9%	55,625,028	\$0.02389	\$1,328,882	(\$1,608,164)	\$3,037,857	\$2,818,575	\$2,947,195	(\$128,620)
Sep-18 Actual	109,881,324	45.7%	50,177,530	\$0.02389	\$1,328,882	(\$1,328,882)	\$2,624,817	\$2,494,676	\$2,608,522	(\$113,846)
Oct-18 Actual	92,438,688	51.3%	47,454,672	\$0.02389	\$1,133,692	(\$1,198,741)	\$2,208,208	\$2,143,159	\$2,240,965	(\$97,805)
Nov-18 Actual	88,703,234	55.3%	49,056,070	\$0.02389	\$1,171,950	(\$1,133,692)	\$2,119,025	\$2,157,283	\$2,255,729	(\$98,447)
Dec-18 Actual	102,998,524	49.1%	50,550,731	\$0.02389	\$1,207,657	(\$1,171,950)	\$2,460,710	\$2,496,418	\$2,610,335	(\$113,917)
Jan-19 Actual	106,079,283	50.2%	53,205,526	\$0.02389	\$1,271,080	(\$1,207,657)	\$2,534,169	\$2,597,592	\$2,716,131	(\$118,539)
Feb-19 Actual	101,444,970	46.5%	47,123,732	\$0.02389	\$1,125,766	(\$1,271,080)	\$2,423,506	\$2,278,212	\$2,382,183	(\$103,971)
Mar-19 Actual	96,352,577	49.9%	48,035,555	\$0.02389	\$1,147,569	(\$1,125,766)	\$2,301,830	\$2,323,613	\$2,429,668	(\$106,055)
Apr-19 Actual	90,642,951	45.0%	40,793,923	\$0.02389	\$974,567	(\$1,147,569)	\$2,165,436	\$1,992,433	\$2,083,383	(\$90,949)
May-19 Actual	86,378,165	47.6%	41,125,821	\$0.02389	\$992,496	(\$974,567)	\$2,063,533	\$2,071,462	\$2,166,024	(\$94,561)
Jun-19 Actual	84,965,318	62.4%	53,059,541	\$0.02389	\$1,267,592	(\$992,496)	\$2,029,724	\$2,314,821	\$2,420,488	(\$105,667)
Jul-19 Actual	114,254,568	51.2%	58,515,771	\$0.02389	\$1,397,942	(\$1,267,592)	\$2,729,497	\$2,859,846	\$2,950,402	(\$130,556)
Total Aug-18 to Jul-19	1,197,973,324		594,723,899		\$14,207,954	(\$14,418,176)	\$28,758,312	\$28,548,091	\$29,851,024	(\$1,302,934)
Aug-19 Actual	118,537,358	42.6%	50,496,101	\$0.02502	\$1,263,412	(\$1,397,942)	\$2,906,407	\$2,771,878	\$2,891,604	(\$119,726)
Sep-19 Actual	90,925,979	54.2%	49,319,833	\$0.02502	\$1,233,982	(\$1,263,412)	\$2,274,891	\$2,245,461	\$2,342,457	(\$96,996)
Oct-19 Actual	92,677,035	47.3%	43,878,447	\$0.02502	\$1,097,839	(\$1,233,982)	\$2,318,732	\$2,182,589	\$2,276,882	(\$94,294)
Nov-19 Actual	83,808,415	59.8%	50,105,466	\$0.02502	\$1,263,639	(\$1,097,839)	\$2,096,778	\$2,252,578	\$2,349,880	(\$97,302)
Dec-19 Actual	96,427,360	49.5%	47,393,400	\$0.02502	\$1,195,935	(\$1,263,639)	\$2,412,591	\$2,594,935	\$2,706,996	(\$112,061)
Jan-20 Actual	105,526,571	52.1%	55,006,589	\$0.02502	\$1,376,265	(\$1,195,935)	\$2,640,278	\$2,680,560	\$2,692,002	(\$11,442)
Feb-20 Actual	100,808,820	45.9%	46,278,324	\$0.02502	\$1,157,884	(\$1,376,265)	\$2,522,198	\$2,303,917	\$2,403,338	(\$99,421)
Mar-20 Actual	98,474,001	40.5%	39,882,991	\$0.02502	\$997,872	(\$1,157,884)	\$2,463,178	\$2,303,717	\$2,403,338	(\$99,621)
Apr-20 Actual	82,165,178	47.1%	38,731,989	\$0.02502	\$969,074	(\$997,872)	\$2,056,184	\$2,027,386	\$2,115,018	(\$87,632)
May-20 Actual	79,204,870	51.8%	41,022,549	\$0.02502	\$1,026,384	(\$969,074)	\$1,981,610	\$2,038,920	\$2,127,055	(\$86,135)
Jun-20 Estimate	89,887,349	53.4%	47,906,550	\$0.02502	\$1,198,622	(\$1,026,384)	\$2,243,977	\$2,416,215	\$2,520,512	(\$104,297)
Jul-20 Estimate	95,503,864	53.1%	50,718,656	\$0.02502	\$1,268,981	(\$1,198,622)	\$2,389,502	\$2,459,861	\$2,566,042	(\$106,181)
Total Aug-19 to Jul-20	1,133,764,600		570,740,895		\$14,279,937	(\$14,408,898)	\$28,306,876	\$28,177,915	\$29,395,073	(\$1,217,158)
Aug-20 Estimate	103,932,515	63.4%	65,884,484	\$0.03613	\$2,360,406	(\$1,268,981)	\$3,191,598	\$4,303,023	\$4,325,652	(\$22,629)
Sep-20 Estimate	103,385,555	47.4%	48,954,148	\$0.03613	\$1,768,713	(\$2,360,406)	\$3,735,320	\$3,123,627	\$3,140,054	(\$16,426)
Oct-20 Estimate	75,245,470	65.8%	49,474,294	\$0.03613	\$1,787,506	(\$1,768,713)	\$2,718,619	\$2,737,412	\$2,751,807	(\$14,395)
Nov-20 Estimate	79,050,376	73.4%	58,006,138	\$0.03613	\$2,095,762	(\$1,787,506)	\$2,856,090	\$3,164,346	\$3,190,986	(\$16,641)
Dec-20 Estimate	95,303,816	50.9%	48,465,505	\$0.03613	\$1,751,059	(\$2,095,762)	\$3,443,327	\$3,098,624	\$3,114,919	(\$16,295)
Jan-21 Estimate	95,307,397	49.6%	47,274,710	\$0.03613	\$1,708,035	(\$1,751,059)	\$3,443,456	\$3,400,433	\$3,418,315	(\$17,882)
Feb-21 Estimate	94,940,871	54.4%	51,323,307	\$0.03613	\$1,854,311	(\$1,708,035)	\$3,408,636	\$3,540,811	\$3,573,505	(\$18,694)
Mar-21 Estimate	97,943,820	49.5%	48,487,123	\$0.03613	\$1,751,840	(\$1,854,311)	\$3,538,710	\$3,436,239	\$3,454,309	(\$18,070)
Apr-21 Estimate	83,236,832	50.6%	42,118,201	\$0.03613	\$1,521,731	(\$1,751,840)	\$3,007,347	\$2,777,238	\$2,791,842	(\$14,605)
May-21 Estimate	80,094,596	72.4%	58,024,085	\$0.03613	\$2,096,410	(\$1,521,731)	\$2,893,818	\$3,468,497	\$3,486,737	(\$18,240)
Jun-21 Estimate	87,534,821	53.4%	46,756,775	\$0.03613	\$1,689,322	(\$2,096,410)	\$3,162,633	\$2,770,036	\$2,770,036	(\$14,491)
Jul-21 Estimate	96,732,541	53.1%	51,371,269	\$0.03613	\$1,856,044	(\$1,689,322)	\$3,494,947	\$3,661,668	\$3,660,924	(\$746)
Total Aug-20 to Jul-21	1,092,108,609		616,140,041		\$22,261,140	(\$21,874,076)	\$38,894,400	\$39,481,463	\$39,689,088	(\$207,625)

(1) Actual per billing system
(2) Detail of Unbilled Factors used in actuals for all classes shown on page 6.
(3) Allocation based on the ratio of the Transmission Only factor to the total EDC rate, multiplied by total net revenue.
(4) Allocation based on the ratio of the Non-Transmission factor to the total EDC rate, multiplied by total gross revenue (revenue prior to any reversals under alternative net metering).

Unitil Energy Systems, Inc.
Detail of Unbilled Factor

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	<u>Billed kWh</u>	<u>Direct Estimate of Unbilled kWh</u>	<u>Unbilled kWh / Billed kWh</u>
Aug-18	123,833,722	55,625,028	44.9%
Sep-18	109,881,324	50,177,530	45.7%
Oct-18	92,438,688	47,454,672	51.3%
Nov-18	88,703,234	49,056,070	55.3%
Dec-18	102,998,524	50,550,731	49.1%
Jan-19	106,079,283	53,205,526	50.2%
Feb-19	101,444,970	47,123,732	46.5%
Mar-19	96,352,577	48,035,555	49.9%
Apr-19	90,642,951	40,793,923	45.0%
May-19	86,378,165	41,125,821	47.6%
Jun-19	84,965,318	53,059,541	62.4%
Jul-19	114,254,568	58,515,771	51.2%
Aug-19	118,537,358	50,496,101	42.6%
Sep-19	90,925,979	49,319,833	54.2%
Oct-19	92,677,035	43,878,447	47.3%
Nov-19	83,806,415	50,105,466	59.8%
Dec-19	96,427,360	57,393,400	59.5%
Jan-20	105,526,571	55,006,589	52.1%
Feb-20	100,808,820	46,278,324	45.9%
Mar-20	98,474,001	39,882,991	40.5%
Apr-20	82,185,178	38,731,989	47.1%
May-20	79,204,870	41,022,549	51.8%

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

Schedule LSM-3
Page 1 of 6
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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****	Total Delivery Charges
D	Customer Charge	\$16.22						(1)	\$16.22
	All kWh	\$0.03558	(\$0.00019)	\$0.03632	\$0.03613	(\$0.00025)	\$0.00084	\$0.00752	\$0.07982
<hr/>									
G2	Customer Charge	\$29.19							\$29.19
	All kW	\$10.51				(\$0.05)			\$10.46
	All kWh	\$0.00000	(\$0.00019)	\$0.03632	\$0.03613	(\$0.00005)	\$0.00084	\$0.00752	\$0.04444
<hr/>									
G2 - kWh meter	Customer Charge	\$18.38							\$18.38
	All kWh	\$0.00883	(\$0.00019)	\$0.03632	\$0.03613	(\$0.00025)	\$0.00084	\$0.00752	\$0.05307
<hr/>									
G2 - Quick Recovery Water Heat and/or Space Heat	Customer Charge	\$9.73							\$9.73
	All kWh	\$0.03204	(\$0.00019)	\$0.03632	\$0.03613	(\$0.00025)	\$0.00084	\$0.00752	\$0.07628
<hr/>									
G1	Customer Charge	\$162.18	Secondary Voltage						\$162.18
	Customer Charge	\$86.49	Primary Voltage						\$86.49
	All kVA	\$7.60				(\$0.06)			\$7.54
	All kWh	\$0.00000	(\$0.00019)	\$0.03632	\$0.03613	(\$0.00006)	\$0.00084	\$0.00752	\$0.04443
	All kWh	\$0.00000	(\$0.00108)	\$0.02610	\$0.02502	(\$0.00003)	\$0.00084	\$0.00752	\$0.03335
<hr/>									
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 \$0.00528 per kWh and lost base revenue portion of \$0.00074 per kWh.

* Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019
 ** Authorized by NHPUC Order No. 26,278 in Case No. DE 19-111, dated July 31, 2019
 *** Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019
 **** Authorized by NHPUC Order No. 26,323 in Case No. DE 17-136, dated December 31, 2019

Issued: June 17, 2020
Effective: August 1, 2020

Issued By: Laurence M. Brock
Christine Vaughan
Sr. Vice President

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

Schedule LSM-3
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SUMMARY OF DELIVERY SERVICE RATES (continued)

Class	Distribution Charge*	Non-Transmission	Transmission	Stranded Cost Charge**	Storm Recovery Adjustment Factor***	System Benefits Charge****	Total Delivery Charges
		External Delivery Charge**	External Delivery Charge**				
OL		(\$0.00019)	\$0.03632	\$0.03613			\$0.04424
All kWh	\$0.00000	(\$0.00108)	\$0.02610	\$0.02502	(\$0.00012)	\$0.00084	\$0.03326

Luminaire Charges

Lamp Size Nominal Watts	Lumens (Approx.)	All-Night Service	Midnight Service	Description	Price Per Luminaire	
		Monthly kWh	Monthly kWh		Per Mo.	Per Year
100	3,500	43	20	Mercury Vapor Street	\$13.28	\$159.36
175	7,000	71	33	Mercury Vapor Street	\$15.75	\$189.00
250	11,000	100	46	Mercury Vapor Street	\$17.85	\$214.20
400	20,000	157	73	Mercury Vapor Street	\$21.25	\$255.00
1,000	60,000	372	173	Mercury Vapor Street	\$42.19	\$506.28
250	11,000	100	46	Mercury Vapor Flood	\$19.02	\$228.24
400	20,000	157	73	Mercury Vapor Flood	\$22.75	\$273.00
1,000	60,000	380	176	Mercury Vapor Flood	\$37.70	\$452.40
100	3,500	48	22	Mercury Vapor Power Bracket	\$13.41	\$160.92
175	7,000	71	33	Mercury Vapor Power Bracket	\$14.87	\$178.44
50	4,000	23	11	Sodium Vapor Street	\$13.52	\$162.24
100	9,500	48	22	Sodium Vapor Street	\$15.22	\$182.64
150	16,000	65	30	Sodium Vapor Street	\$15.28	\$183.36
250	30,000	102	47	Sodium Vapor Street	\$19.14	\$229.68
400	50,000	161	75	Sodium Vapor Street	\$24.13	\$289.56
1,000	140,000	380	176	Sodium Vapor Street	\$41.66	\$499.92
150	16,000	65	30	Sodium Vapor Flood	\$17.61	\$211.32
250	30,000	102	47	Sodium Vapor Flood	\$20.76	\$249.12
400	50,000	161	75	Sodium Vapor Flood	\$23.58	\$282.96
1,000	140,000	380	176	Sodium Vapor Flood	\$42.03	\$504.36
50	4,000	23	11	Sodium Vapor Power Bracket	\$12.51	\$150.12
100	9,500	48	22	Sodium Vapor Power Bracket	\$14.04	\$168.48
175	8,800	74	34	Metal Halide Street	\$19.91	\$238.92
250	13,500	102	47	Metal Halide Street	\$21.65	\$259.80
400	23,500	158	73	Metal Halide Street	\$22.45	\$269.40
175	8,800	74	34	Metal Halide Flood	\$23.00	\$276.00
250	13,500	102	47	Metal Halide Flood	\$24.83	\$297.96
400	23,500	158	73	Metal Halide Flood	\$24.88	\$298.56
1,000	86,000	374	174	Metal Halide Flood	\$32.22	\$386.64
175	8,800	74	34	Metal Halide Power Bracket	\$18.63	\$223.56
250	13,500	102	47	Metal Halide Power Bracket	\$19.81	\$237.72
400	23,500	158	73	Metal Halide Power Bracket	\$21.17	\$254.04
42	3,600	15	7	LED Area Light Fixture	\$13.16	\$157.92
57	5,200	20	9	LED Area Light Fixture	\$13.21	\$158.52
25	3,000	9	4	LED Cobra Head Fixture	\$13.11	\$157.32
88	8,300	30	14	LED Cobra Head Fixture	\$13.30	\$159.60
108	11,500	37	17	LED Cobra Head Fixture	\$13.36	\$160.32
193	21,000	67	31	LED Cobra Head Fixture	\$13.62	\$163.44
123	12,180	43	20	LED Flood Light Fixture	\$13.41	\$160.92
194	25,700	67	31	LED Flood Light Fixture	\$13.62	\$163.44
297	38,100	103	48	LED Flood Light Fixture	\$13.93	\$167.16

(1) Includes low-income portion of \$0.00150 per kWh, energy efficiency portion of \$0.00528 per kWh and lost base revenue portion of \$0.00074 per kWh.

* Authorized by NHPUC Order No. 26,236 in Case No. DE 19-043, dated April 22, 2019
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Issued: June 17 January 15, 2020
Effective: August January 1, 2020

Issued By: Laurence M. Brock Christine Vaughan
Sr. Vice President

**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 (%)	Blocks	LI-EAP discount Delivery Only; Excludes Supply		LI-EAP discount Fixed Default Service Supply Only		LI-EAP discount Variable Default Service Supply Only		
				Aug. 2020-Nov. 2020 (1)	Aug. 2020-Nov. 2020 (2)	Aug. 2020 (3)	Sept. 2020 (3)	Oct. 2020 (3)	Nov. 2020 (3)	
1 (4)	N/A	N/A		Aug. 2020-Nov. 2020 (1)	Aug. 2020-Nov. 2020 (2)	Aug. 2020 (3)	Sept. 2020 (3)	Oct. 2020 (3)	Nov. 2020 (3)	
2	151 (FPG) - 60 (SMD)	8%	Customer Charge First 750 kWh Excess 750 kWh	(\$1.30) (\$0.00639) \$0.00000	(\$0.00559) \$0.00000	(\$0.00528) \$0.00000	(\$0.00564) \$0.00000	(\$0.00583) \$0.00000	(\$0.00632) \$0.00000	
3	126 (FPG) - 150 (FPG)	22%	Customer Charge First 750 kWh Excess 750 kWh	(\$3.57) (\$0.01756) \$0.00000	(\$0.01537) \$0.00000	(\$0.01451) \$0.00000	(\$0.01551) \$0.00000	(\$0.01602) \$0.00000	(\$0.01738) \$0.00000	
4	101 (FPG) - 125 (FPG)	36%	Customer Charge First 750 kWh Excess 750 kWh	(\$5.84) (\$0.02874) \$0.00000	(\$0.02515) \$0.00000	(\$0.02374) \$0.00000	(\$0.02537) \$0.00000	(\$0.02622) \$0.00000	(\$0.02844) \$0.00000	
5	76 (FPG) - 100 (FPG)	52%	Customer Charge First 750 kWh Excess 750 kWh	(\$8.43) (\$0.04151) \$0.00000	(\$0.03633) \$0.00000	(\$0.03429) \$0.00000	(\$0.03665) \$0.00000	(\$0.03788) \$0.00000	(\$0.04108) \$0.00000	
6	0 - 75 (FPG)	76%	Customer Charge First 750 kWh Excess 750 kWh	(\$12.33) (\$0.06066) \$0.00000	(\$0.05310) \$0.00000	(\$0.05012) \$0.00000	(\$0.05356) \$0.00000	(\$0.05536) \$0.00000	(\$0.06004) \$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 July 1, 2016 in accordance with Order No. 25-901 in DE 14-078.

Authorized by NHPUC Order No. 26-347 in Case No. DE 20-039, dated April 10, 2020

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Issued By: Laurence M. Brock
 Sr. Vice President

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

Twenty-Third ~~Second~~ Revised Page 65
Superseding ~~Issued in Lieu of~~ Twenty-Second ~~First~~ Revised Page 65

CALCULATION OF THE STRANDED COST CHARGE

Uniform per kWh Charge

1. (Over)/under Recovery - Beginning Balance August 1, 2020 19	\$213,364	(\$119,299)
2. Estimated Total Costs (August 2020 19 - July 2021 0)	(\$355,232)	(\$147,563)
3. Estimated Interest (August 2020 19 - July 2021 0)	\$5,607	(\$3,241)
4. Costs to be Recovered (L.1 + L.2 + L.3)	(\$136,261)	(\$270,103)
5. Estimated Calendar Month Deliveries in kWh (August 2020 19 - July 2021 0)	1,176,895,402	<u>1,092,761,223</u>
6. Stranded Cost Charge (\$/kWh) (L.4 / L.5)	(\$0.00012)	(\$0.00025)
Class D, D - Controlled Off Peak Water Heating, G2 - kWh meter, G2 - Quick Recovery Water Heating, G2 - Space Heating, <u>G2 Controlled Off Peak Water Heating, OL</u>		
7. Stranded Cost Charge (\$/kWh) (L.6)	(\$0.00012)	(\$0.00025)
<u>Class G2 (1)</u>		
8. Estimated G2 Demand Revenue (August 2020 19 - July 2021 0)	(\$32,672)	(\$58,426)
9. Estimated G2 Deliveries in kW (August 2020 19 - July 2021 0)	1,352,603	<u>1,158,830</u>
10. Stranded Cost Charge (\$/kW) (L. 8 / L. 9)	(\$0.02)	(\$0.05)
11. G2 Energy Revenue (August 2020 19 - July 2021 0)	(\$8,234)	(\$14,760)
12. Estimated G2 Calendar Month Deliveries in kWh (August 2020 19 - July 2021 0)	340,886,156	<u>292,744,302</u>
13. Stranded Cost Charge (\$/kWh) (L.11 / L.12)	(\$0.00002)	(\$0.00005)
<u>Class G1 (1)</u>		
14. Estimated G1 Demand Revenue (August 2020 19 - July 2021 0)	(\$30,756)	(\$56,554)
15. Estimated G1 Deliveries in kVA (August 2020 19 - July 2021 0)	1,073,920	<u>947,891</u>
16. Stranded Cost Charge (\$/kVA) (L. 14 / L. 15)	(\$0.03)	(\$0.06)
17. G1 Energy Revenue (August 2020 19 - July 2021 0)	(\$9,641)	(\$17,727)
18. Estimated G1 Calendar Month Deliveries in kWh (August 2020 19 - July 2021 0)	336,638,533	<u>297,124,979</u>
19. Stranded Cost Charge (\$/kWh) (L.17 / L.18)	(\$0.00003)	(\$0.00006)

(1) Demand and energy calculated based on ratio of demand and energy revenue under current rates.

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Issued By: Laurence M. Brock~~Christine Vaughan~~
Sr. Vice President

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

Schedule LSM-3
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Superseding Issued in Lieu of Twenty-Fourth Third Revised Page 67

CALCULATION OF THE EXTERNAL DELIVERY CHARGE

	Calculation of the EDC - Total	Calculation of the EDC - Transmission Only	Calculation of the EDC - Non-Transmission
1. (Over)/under Recovery - Beginning Balance August 1, 2019	(\$151,031)	\$607,190	(\$758,221)
2. Estimated Total Costs (August 2019 - July 2020)	\$29,592,044	\$30,092,000	(\$499,956)
3. Estimated Interest (August 2019 - July 2020)	\$10,350	\$20,258	(\$9,909)
4. Costs to be Recovered (L.1 + L.2 + L.3)	\$29,451,363	\$30,719,449	(\$1,268,086)
5. Estimated Calendar Month Deliveries in kWh (August 2019 - July 2020)	1,176,895,402	1,176,895,402	1,176,895,402
6. External Delivery Charge (\$/kWh) - (L. 4 / L. 5)	\$0.02502	\$0.02610	(\$0.00108)
1. (Over)/under Recovery - Beginning Balance August 1, 2020	\$4,645,717	\$4,401,031	\$244,686
2. Estimated Total Costs (August 2020 - July 2021)	\$34,759,950	\$35,230,833	(\$470,883)
3. Estimated Interest (August 2020 - July 2021)	<u>\$71,489</u>	<u>\$60,078</u>	<u>\$11,411</u>
4. Costs to be Recovered (L.1 + L.2 + L.3)	\$39,477,156	\$39,691,942	(\$214,786)
5. Estimated Calendar Month Deliveries in kWh (August 2020 - July 2021)	<u>1,092,761,223</u>	<u>1,092,761,223</u>	<u>1,092,761,223</u>
6. External Delivery Charge (\$/kWh) - (L. 4 / L. 5)	\$0.03613	\$0.03632	(\$0.00019)

Authorized by NHPUC Order No. ~~26,278~~ in Case No. ~~DE 19-111~~, dated ~~July 31, 2019~~

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Issued By: Laurence M. Brock ~~Christine Vaughan~~
Sr. Vice President

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

~~Twelfth-Thirteenth~~ Revised Page 66
~~Issued in Lieu of Eleventh~~ Superseding Twelfth
Revised Page 66

EXTERNAL DELIVERY CHARGE
SCHEDULE EDC

The External Delivery Charge ("EDC"), as specified on Calculation of the External Delivery Charge, shall be billed by the Company to all customers taking Delivery Service from the Company. The purpose of the EDC is to recover, on a fully reconciling basis, the costs billed to the Company by Other Transmission Providers as well as third party costs billed to the Company for energy and transmission related services and other costs approved by the Commission as specified herein.

The EDC shall include the following charges, except that third party costs associated with Default Service shall be included in the Default Service Charge: 1) charges billed to the Company by Other Transmission Providers as well as any charges relating to the stability of the transmission system which the Company is authorized to recover by order of the regulatory agency having jurisdiction over such charges, 2) transmission-based assessments or fees billed by or through regulatory agencies, 3) costs billed by third parties for load estimation and reconciliation and data and information services necessary for allocation and reporting of supplier loads, and for reporting to, and receiving data from, ISO New England, 4) legal and consulting outside service charges related to the Company's transmission and energy obligations and responsibilities, including legal and regulatory activities associated with the independent system operator ("ISO"), New England Power Pool ("NEPOOL"), regional transmission organization ("RTO") and Federal Energy Regulatory Commission ("FERC"), and Commission approved special assessments charged to the Company due to the expenses of experts employed by the Office of Consumer Advocate pursuant to the provisions of RSA 363:28,III. 5) the costs of Administrative Service Charges billed to the Company by Unitil Power Corp. under the FERC-approved Amended Unitil System Agreement, 6) Effective July 1, 2014, in accordance with RSA 363-A:6, amounts above or below the total NHPUC Assessment, less amounts charged to base distribution and Default Service, and 7) cash working capital associated with Other Flow-Through Operating Expenses. In addition, the EDC shall include the calendar year over- or under-collection from the Company's Vegetation Management Program and Reliability Enhancement Program. The over- or under- collection shall be credited or charged to the EDC on May 1 of the following year, or, with approval of the Commission, the Company may credit unspent amounts to future Vegetation Management Program expenditures. The EDC shall include rate case expenses and other regulatory expenses allowed by the Commission in Docket DE 16-384. The EDC shall also include a charge for the recovery of displaced distribution revenue associated with net metering for 2013 and subsequent years. Lastly, the EDC shall include the prudently incurred costs, as approved by the Commission, associated with the alternative net metering tariff approved in Docket DE 16-576, including: net metering credits; meters installed and related data management; independent monitoring services, bi-directional and production meters installed and related data management systems and processes; pilot programs; studies; and data collection, maintenance and dissemination. For purposes of this Schedule, "Other Transmission Provider" shall be defined as any transmission provider and other regional transmission and/or operating entities, such as NEPOOL, a regional transmission group ("RTG"), an ISO, and their successors, or other such body with the oversight of regional transmission, in the event that any of these entities are authorized to bill the Company directly for their services.

The EDC shall be established annually based on a forecast of includable costs, and shall also include a full reconciliation with interest for any over- or under-recoveries occurring in prior year(s). 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. The Company may file to change the EDC at any time should significant over- or under-recoveries occur or be expected to occur. In addition, the Company's annual filing shall breakdown the EDC into two components (transmission and non-transmission) for purposes of billing under the alternative net metering tariff that became effective September 1, 2017.

Any adjustment to the EDC shall be in accordance with a notice filed with the Commission setting forth the amount of the proposed charge and the amount of the increase or decrease. The notice shall further specify the effective date of such charge, which shall not be earlier than forty-five days after the filing of the notice, or such other date as the Commission may authorize. The annual adjustment to the EDC shall be derived in the same manner as that provided by Calculation of the External Delivery Charge.

Authorized by NHPUC Order No. ~~26,160~~ in Case No. DE ~~20-18-096~~, dated ~~July 20, 2018~~

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Effective: August 1, ~~2020~~ 18

Issued by: ~~Mark H. Collin~~ Laurence M. Brock
Sr. Vice President

Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component

Residential Rate D.650 kWh Bill

Rate Components	6/1/2020		8/1/2020		Difference	Current Bill	As Revised Bill	Difference to Total Bill	%
	Current Rate	As Revised	As Revised	Difference					
Customer Charge	\$16.22	\$16.22	\$16.22	\$0.00	\$0.00	\$16.22	\$0.00	0.0%	
	\$/kWh	\$/kWh							
Distribution Charge	\$0.03558	\$0.03558	\$0.03558	\$0.00000	\$0.00	\$23.13	\$0.00	0.0%	
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111	\$0.01111	\$7.22	\$23.48	\$7.22	6.8%	
Stranded Cost Charge	(\$0.00012)	(\$0.00025)	(\$0.00013)	(\$0.00013)	(\$0.08)	(\$0.16)	(\$0.08)	(0.1%)	
Storm Recovery Adj.	\$0.00084	\$0.00084	\$0.00000	\$0.00000	\$0.55	\$0.55	\$0.00	0.0%	
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000	\$0.00000	\$4.89	\$4.89	\$0.00	0.0%	
Default Service Charge	\$0.06987	\$0.06987	\$0.00000	\$0.00000	\$45.42	\$45.42	\$0.00	0.0%	
Total kWh Charges	\$0.13871	\$0.14969	\$0.01098	\$0.01098					
Total Bill			\$106.38		\$7.14	\$113.52	\$7.14	6.7%	

Regular General G2 Demand, 11 kW, 2,800 kWh Typical Bill

Rate Components	6/1/2020		8/1/2020		Difference	Current Bill	As Revised Bill	Difference to Total Bill	%
	Current Rate	As Revised	As Revised	Difference					
Customer Charge	\$29.19	\$29.19	\$29.19	\$0.00	\$0.00	\$29.19	\$0.00	0.0%	
	All kW	All kW							
Distribution Charge	\$10.51	\$10.51	\$115.61	\$0.00	\$0.00	\$115.61	\$0.00	0.0%	
Stranded Cost Charge	(\$0.02)	(\$0.05)	(\$0.22)	(\$0.03)	(\$0.33)	(\$0.55)	(\$0.33)	(0.1%)	
Total kW Charges	\$10.49	\$10.46	\$115.39	(\$0.03)	(\$0.33)	\$115.06	(\$0.33)	(0.1%)	
	\$/kWh	\$/kWh							
Distribution Charge	\$0.00000	\$0.00000	\$0.00	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%	
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111	\$0.01111	\$31.11	\$101.16	\$31.11	7.7%	
Stranded Cost Charge	(\$0.00002)	(\$0.00005)	(\$0.00003)	(\$0.00003)	(\$0.08)	(\$0.14)	(\$0.08)	(0.0%)	
Storm Recovery Adj.	\$0.00084	\$0.00084	\$0.00000	\$0.00000	\$2.35	\$2.35	\$0.00	0.0%	
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000	\$0.00000	\$21.06	\$21.06	\$0.00	0.0%	
Default Service Charge	\$0.05874	\$0.05874	\$0.00000	\$0.00000	\$164.47	\$164.47	\$0.00	0.0%	
Total kWh Charges	\$0.09210	\$0.10318	\$0.01108	\$0.01108	\$257.88	\$288.90	\$31.02	7.7%	
Total Bill			\$402.46		\$30.69	\$433.15	\$30.69	7.6%	

**Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component**

Regular General G2 Quick Recovery Water Heating and Space Heating 1.660 kWh Typical Bill									
Rate Components	6/1/2020	8/1/2020	Current Bill		As Revised Bill		Difference	%	Difference to Total Bill
	Current Rate	As Revised	Current Bill	Difference	As Revised Bill	Difference			
Customer Charge	\$9.73	\$9.73	\$9.73	\$0.00	\$9.73	\$9.73	\$0.00	0.0%	0.0%
	\$/kWh	\$/kWh							
Distribution Charge	\$0.03204	\$0.03204	\$53.19	\$0.00000	\$53.19	\$53.19	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02502	\$0.03613	\$41.53	\$0.01111	\$59.98	\$18.44	\$18.44	8.6%	8.6%
Stranded Cost Charge	(\$0.00012)	(\$0.00025)	(\$0.20)	(\$0.00013)	(\$0.42)	(\$0.22)	(\$0.22)	(0.1%)	(0.1%)
Storm Recovery Adj.	\$0.00084	\$0.00084	\$1.39	\$0.00000	\$1.39	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00752	\$0.00752	\$12.48	\$0.00000	\$12.48	\$0.00	\$0.00	0.0%	0.0%
Default Service Charge	\$0.05874	\$0.05874	\$97.51	\$0.00000	\$97.51	\$0.00	\$0.00	0.0%	0.0%
Total kWh Charges	\$0.12404	\$0.13502	\$205.91	\$0.01098	\$224.13	\$18.23	\$18.23	8.5%	8.5%
Total Bill			\$215.64		\$233.86	\$18.23			

Regular General G2 kWh Meter 115 kWh Typical Bill									
Rate Components	6/1/2020	8/1/2020	Current Bill		As Revised Bill		Difference	%	Difference to Total Bill
	Current Rate	As Revised	Current Bill	Difference	As Revised Bill	Difference			
Customer Charge	\$18.38	\$18.38	\$18.38	\$0.00	\$18.38	\$18.38	\$0.00	0.0%	0.0%
	\$/kWh	\$/kWh							
Distribution Charge	\$0.00883	\$0.00883	\$1.02	\$0.00000	\$1.02	\$0.00	\$0.00	0.0%	0.0%
External Delivery Charge	\$0.02502	\$0.03613	\$2.88	\$0.01111	\$4.15	\$1.28	\$1.28	4.3%	4.3%
Stranded Cost Charge	(\$0.00012)	(\$0.00025)	(\$0.01)	(\$0.00013)	(\$0.03)	(\$0.01)	(\$0.01)	(0.0%)	(0.0%)
Storm Recovery Adj.	\$0.00084	\$0.00084	\$0.10	\$0.00000	\$0.10	\$0.00	\$0.00	0.0%	0.0%
System Benefits Charge	\$0.00752	\$0.00752	\$0.86	\$0.00000	\$0.86	\$0.00	\$0.00	0.0%	0.0%
Default Service Charge	\$0.05874	\$0.05874	\$6.76	\$0.00000	\$6.76	\$0.00	\$0.00	0.0%	0.0%
Total kWh Charges	\$0.10083	\$0.11181	\$11.60	\$0.01098	\$12.86	\$1.26	\$1.26	4.2%	4.2%
Total Bill			\$29.98		\$31.24	\$1.26			

**Unitil Energy Systems, Inc.
Typical Bill Impacts by Rate Component**

Rate Components	6/1/2020		8/1/2020		Difference	As Revised Bill	Current Bill	Difference to Total Bill	% Difference
	Current Rate	As Revised	As Revised	Difference					
Customer Charge	\$162.18	\$162.18	\$162.18	\$0.00	\$0.00	\$162.18	\$162.18	\$0.00	0.0%
Distribution Charge	<u>All kVa</u>	<u>All kVa</u>							
Stranded Cost Charge	\$7.60	\$7.60	\$4,180.00	\$0.00	\$0.00	\$4,180.00	\$4,180.00	\$0.00	0.0%
Total kVa Charges	<u>(\$0.03)</u>	<u>(\$0.06)</u>	<u>(\$16.50)</u>	<u>(\$0.03)</u>	<u>(\$16.50)</u>	<u>(\$33.00)</u>	<u>(\$16.50)</u>	<u>(\$16.50)</u>	<u>(0.1%)</u>
	\$7.57	\$7.54	\$4,163.50	<u>(\$0.03)</u>	<u>(\$0.03)</u>	\$4,147.00	\$4,147.00	<u>(\$16.50)</u>	<u>(0.1%)</u>
	<u>\$/kWh</u>	<u>\$/kWh</u>							
Distribution Charge	\$0.00000	\$0.00000	\$0.00	\$0.00000	\$0.00000	\$0.00	\$0.00	\$0.00	0.0%
External Delivery Charge	\$0.02502	\$0.03613	\$5,004.00	\$0.01111	\$0.01111	\$7,226.00	\$5,004.00	\$2,222.00	11.1%
Stranded Cost Charge	<u>(\$0.00003)</u>	<u>(\$0.00006)</u>	<u>(\$6.00)</u>	<u>(\$0.00003)</u>	<u>(\$0.00003)</u>	<u>(\$12.00)</u>	<u>(\$6.00)</u>	<u>(\$6.00)</u>	<u>(0.0%)</u>
Storm Recovery Adj.	\$0.00084	\$0.00084	\$168.00	\$0.00000	\$0.00000	\$168.00	\$168.00	\$0.00	0.0%
System Benefits Charge	\$0.00752	\$0.00752	\$1,504.00	\$0.00000	\$0.00000	\$1,504.00	\$1,504.00	\$0.00	0.0%
Default Service Charge *	<u>\$0.04517</u>	<u>\$0.04517</u>	<u>\$9,034.00</u>	<u>\$0.00000</u>	<u>\$0.00000</u>	<u>\$9,034.00</u>	<u>\$9,034.00</u>	<u>\$0.00</u>	<u>0.0%</u>
Total kWh Charges	\$0.07852	\$0.08960	\$15,704.00	\$0.01108	\$0.01108	\$17,920.00	\$15,704.00	\$2,216.00	11.1%
Total Bill			\$20,029.68			\$22,229.18	\$20,029.68	\$2,199.50	11.0%

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

Unitil Energy Systems, Inc.
Typical Bill Impacts for Residential Rate Class based on Mean and Median Usage

Residential Rate D 612 kWh Bill - Mean Use*

Rate Components	6/1/2020	8/1/2020	Difference		As Revised Bill	Difference	% Difference to Total Bill
	Current Rate	As Revised	Current Bill	As Revised Bill			
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%
	\$/kWh	\$/kWh					
Distribution Charge	\$0.03558	\$0.03558	\$0.00000	\$21.77	\$21.77	\$0.00	0.0%
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111	\$15.31	\$22.11	\$6.80	6.7%
Stranded Cost Charge	(\$0.00012)	(\$0.00025)	(\$0.00013)	(\$0.07)	(\$0.15)	(\$0.08)	(0.1%)
Storm Recovery Adj.	\$0.00084	\$0.00084	\$0.00000	\$0.51	\$0.51	\$0.00	0.0%
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000	\$4.60	\$4.60	\$0.00	0.0%
Default Service Charge	\$0.06987	\$0.06987	\$0.00000	\$42.76	\$42.76	\$0.00	0.0%
Total kWh Charges	\$0.13871	\$0.14969	\$0.01098				
Total Bill				\$101.11	\$107.83	\$6.72	6.6%

Residential Rate D 495 kWh Bill - Median Use*

Rate Components	6/1/2020	8/1/2020	Difference		As Revised Bill	Difference	% Difference to Total Bill
	Current Rate	As Revised	Current Bill	As Revised Bill			
Customer Charge	\$16.22	\$16.22	\$0.00	\$16.22	\$16.22	\$0.00	0.0%
	\$/kWh	\$/kWh					
Distribution Charge	\$0.03558	\$0.03558	\$0.00000	\$17.61	\$17.61	\$0.00	0.0%
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111	\$12.38	\$17.88	\$5.50	6.5%
Stranded Cost Charge	(\$0.00012)	(\$0.00025)	(\$0.00013)	(\$0.06)	(\$0.12)	(\$0.06)	(0.1%)
Storm Recovery Adj.	\$0.00084	\$0.00084	\$0.00000	\$0.42	\$0.42	\$0.00	0.0%
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000	\$3.72	\$3.72	\$0.00	0.0%
Default Service Charge	\$0.06987	\$0.06987	\$0.00000	\$34.59	\$34.59	\$0.00	0.0%
Total kWh Charges	\$0.13871	\$0.14969	\$0.01098				
Total Bill				\$84.88	\$90.32	\$5.44	6.4%

* Based on billing period January through December 2019.

Unitil Energy Systems, Inc.
Average Class Bill Impacts
Due to Proposed Rate Changes Effective August 1, 2020

(A) Class of Service	(B) Annual Number of Customers (luminaires for Outdoor Lighting)	(C) Annual kWh Sales	(D) Annual kW / kVA Sales	(E) Proposed SCC Change \$	(F) Proposed EDC Change \$	(G) Estimated Annual Revenue \$ Under Present Rates	(H) Estimated Annual Revenue \$ Under Proposed Rates	(I) Proposed Net Change Revenue \$	(J) % Change Net SCC & EDC Revenue
Residential	785,306	497,875,828	n/a	(\$64,724)	\$5,531,400	\$81,798,023	\$87,264,700	\$5,466,677	6.7%
General Service	131,872	354,161,409	1,348,556	(\$46,041)	\$3,934,733	\$50,653,703	\$54,542,396	\$3,888,692	7.7%
Large General Service	1,878	353,924,392	1,022,850	(\$46,010)	\$3,932,100	\$35,601,119	\$39,487,209	\$3,886,090	10.9%
Outdoor Lighting	110,850	8,241,454	n/a	(\$1,071)	\$91,563	\$2,637,814	\$2,728,305	\$90,491	3.4%
Total	1,029,906	1,214,203,082		(\$157,846)	\$13,489,796	\$170,690,659	\$184,022,609	\$13,331,950	7.8%

(B), (C), (D) Test year billing determinants in DE 16-384.

(E) and (F) Difference in proposed rate and current rate, times the billing determinants shown in Column (C).

(G) Based on current rates times billing determinants shown in Columns (B), (C) and (D).

(H) Sum of Columns (E) through (G)

(I) Column (H) minus Column (G)

(J) Column (E) + Column (F) divided by Column (G)

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2020 vs. August 1, 2020 Due to Changes in the External Delivery Charge and Stranded Cost Charge Impact on D Rate Customers				
Average kWh	Total Bill Using Rates 6/1/2020	Total Bill Using Rates 8/1/2020	Total Difference	% Total Difference
125	\$33.56	\$34.93	\$1.37	4.1%
150	\$37.03	\$38.67	\$1.65	4.4%
200	\$43.96	\$46.16	\$2.20	5.0%
250	\$50.90	\$53.64	\$2.75	5.4%
300	\$57.83	\$61.13	\$3.29	5.7%
350	\$64.77	\$68.61	\$3.84	5.9%
400	\$71.70	\$76.10	\$4.39	6.1%
450	\$78.64	\$83.58	\$4.94	6.3%
500	\$85.58	\$91.07	\$5.49	6.4%
525	\$89.04	\$94.81	\$5.76	6.5%
550	\$92.51	\$98.55	\$6.04	6.5%
575	\$95.98	\$102.29	\$6.31	6.6%
600	\$99.45	\$106.03	\$6.59	6.6%
625	\$102.91	\$109.78	\$6.86	6.7%
650	\$106.38	\$113.52	\$7.14	6.7%
675	\$109.85	\$117.26	\$7.41	6.7%
700	\$113.32	\$121.00	\$7.69	6.8%
725	\$116.78	\$124.75	\$7.96	6.8%
750	\$120.25	\$128.49	\$8.24	6.8%
775	\$123.72	\$132.23	\$8.51	6.9%
825	\$130.66	\$139.71	\$9.06	6.9%
925	\$144.53	\$154.68	\$10.16	7.0%
1,000	\$154.93	\$165.91	\$10.98	7.1%
1,250	\$189.61	\$203.33	\$13.73	7.2%
1,500	\$224.29	\$240.76	\$16.47	7.3%
2,000	\$293.64	\$315.60	\$21.96	7.5%
3,500	\$501.71	\$540.14	\$38.43	7.7%
5,000	\$709.77	\$764.67	\$54.90	7.7%

	Rates - Effective June 1, 2020	Rates - Proposed August 1, 2020	Difference
Customer Charge	\$16.22	\$16.22	\$0.00
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge:	\$0.03558	\$0.03558	\$0.00000
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111
Stranded Cost Charge	(\$0.00012)	(\$0.00025)	(\$0.00013)
Storm Recovery Adjustment Factor	\$0.00084	\$0.00084	\$0.00000
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000
Default Service Charge	<u>\$0.06987</u>	<u>\$0.06987</u>	<u>\$0.00000</u>
TOTAL	\$0.13871	\$0.14969	\$0.01098

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2020 vs. August 1, 2020 Due to Changes in the External Delivery Charge and Stranded Cost Charge Impact on G2 Rate Customers						
<u>Load Factor</u>	<u>Average Monthly kW</u>	<u>Average Monthly kWh</u>	<u>Total Bill Using Rates 6/1/2020</u>	<u>Total Bill Using Rates 8/1/2020</u>	<u>Total Difference</u>	<u>% Total Difference</u>
20%	5	730	\$148.87	\$156.81	\$7.94	5.3%
20%	10	1,460	\$268.56	\$284.43	\$15.88	5.9%
20%	15	2,190	\$388.24	\$412.05	\$23.82	6.1%
20%	25	3,650	\$627.61	\$667.30	\$39.69	6.3%
20%	50	7,300	\$1,226.02	\$1,305.40	\$79.38	6.5%
20%	75	10,950	\$1,824.44	\$1,943.51	\$119.08	6.5%
20%	100	14,600	\$2,422.85	\$2,581.62	\$158.77	6.6%
20%	150	21,900	\$3,619.68	\$3,857.83	\$238.15	6.6%
36%	5	1,314	\$202.66	\$217.07	\$14.41	7.1%
36%	10	2,628	\$376.13	\$404.95	\$28.82	7.7%
36%	15	3,942	\$549.60	\$592.83	\$43.23	7.9%
36%	25	6,570	\$896.54	\$968.58	\$72.05	8.0%
36%	50	13,140	\$1,763.88	\$1,907.98	\$144.09	8.2%
36%	75	19,710	\$2,631.23	\$2,847.37	\$216.14	8.2%
36%	100	26,280	\$3,498.58	\$3,786.76	\$288.18	8.2%
36%	150	39,420	\$5,233.27	\$5,665.55	\$432.27	8.3%
50%	5	1,825	\$249.72	\$269.79	\$20.07	8.0%
50%	10	3,650	\$470.26	\$510.40	\$40.14	8.5%
50%	15	5,475	\$690.79	\$751.00	\$60.21	8.7%
50%	25	9,125	\$1,131.85	\$1,232.21	\$100.36	8.9%
50%	50	18,250	\$2,234.52	\$2,435.23	\$200.71	9.0%
50%	75	27,375	\$3,337.18	\$3,638.24	\$301.07	9.0%
50%	100	36,500	\$4,439.84	\$4,841.26	\$401.42	9.0%
50%	150	54,750	\$6,645.17	\$7,247.30	\$602.13	9.1%

	<u>Rates - Effective June 1, 2020</u>	<u>Rates - Proposed August 1, 2020</u>	<u>Difference</u>
Customer Charge	\$29.19	\$29.19	\$0.00
Distribution Charge	<u>All kW</u> \$10.51	<u>All kW</u> \$10.51	<u>All kW</u> \$0.00
Stranded Cost Charge	(\$0.02)	(\$0.05)	(\$0.03)
TOTAL	\$10.49	\$10.46	(\$0.03)
	<u>kWh</u>	<u>kWh</u>	<u>kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111
Stranded Cost Charge	(\$0.00002)	(\$0.00005)	(\$0.00003)
Storm Recovery Adj. Factor	\$0.00084	\$0.00084	\$0.00000
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000
Default Service Charge	\$0.05874	\$0.05874	\$0.00000
TOTAL	\$0.09210	\$0.10318	\$0.01108

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2020 vs. August 1, 2020 Due to Changes in the External Delivery Charge and Stranded Cost Charge Impact on G2 kWh Meter Rate Customers				
Average Monthly kWh	Total Bill Using Rates 6/1/2020	Total Bill Using Rates 8/1/2020	Total Difference	% Total Difference
15	\$19.89	\$20.06	\$0.16	0.8%
75	\$25.94	\$26.77	\$0.82	3.2%
150	\$33.50	\$35.15	\$1.65	4.9%
250	\$43.59	\$46.33	\$2.75	6.3%
350	\$53.67	\$57.51	\$3.84	7.2%
450	\$63.75	\$68.69	\$4.94	7.8%
550	\$73.84	\$79.88	\$6.04	8.2%
650	\$83.92	\$91.06	\$7.14	8.5%
750	\$94.00	\$102.24	\$8.23	8.8%
900	\$109.13	\$119.01	\$9.88	9.1%
		<u>Rates - Effective</u> June 1, 2020	<u>Rates - Proposed</u> August 1, 2020	<u>Difference</u>
kWh Meter Customer Charge		\$18.38	\$18.38	\$0.00
		<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge		\$0.00883	\$0.00883	\$0.00000
External Delivery Charge		\$0.02502	\$0.03613	\$0.01111
Stranded Cost Charge		(\$0.00012)	(\$0.00025)	(\$0.00013)
Storm Recovery Adjustment Factor		\$0.00084	\$0.00084	\$0.00000
System Benefits Charge		\$0.00752	\$0.00752	\$0.00000
Default Service Charge		<u>\$0.05874</u>	<u>\$0.05874</u>	<u>\$0.00000</u>
TOTAL		\$0.10083	\$0.11181	\$0.01098

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2020 vs. August 1, 2020 Due to Changes in the External Delivery Charge and Stranded Cost Charge Impact on G2 QRWH and SH Rate Customers				
Average kWh	Total Bill Using Rates 6/1/2020	Total Bill Using Rates 8/1/2020	Total Difference	% Total Difference
100	\$22.13	\$23.23	\$1.10	5.0%
200	\$34.54	\$36.73	\$2.20	6.4%
300	\$46.94	\$50.24	\$3.29	7.0%
400	\$59.35	\$63.74	\$4.39	7.4%
500	\$71.75	\$77.24	\$5.49	7.7%
750	\$102.76	\$111.00	\$8.24	8.0%
1,000	\$133.77	\$144.75	\$10.98	8.2%
1,500	\$195.79	\$212.26	\$16.47	8.4%
2,000	\$257.81	\$279.77	\$21.96	8.5%
2,500	\$319.83	\$347.28	\$27.45	8.6%
Rates - Effective Rates - Proposed Difference <u>June 1, 2020</u> <u>August 1, 2020</u>				
Customer Charge	\$9.73	\$9.73	\$0.00	
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>	
Distribution Charge	\$0.03204	\$0.03204	\$0.00000	
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111	
Stranded Cost Charge	(\$0.00012)	(\$0.00025)	(\$0.00013)	
Storm Recovery Adjustment Factor	\$0.00084	\$0.00084	\$0.00000	
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000	
Default Service Charge	<u>\$0.05874</u>	<u>\$0.05874</u>	<u>\$0.00000</u>	
TOTAL	\$0.12404	\$0.13502	\$0.01098	

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2020 vs. August 1, 2020 Due to Changes in the External Delivery Charge and Stranded Cost Charge Impact on G1 Rate Customers						
Load Factor	Average Monthly kVa	Average Monthly kWh	Total Bill Using Rates 6/1/2020	Total Bill Using Rates 8/1/2020	Total Difference	% Total Difference
25.0%	200	36,500	\$4,542.16	\$4,946.58	\$404.42	8.9%
25.0%	400	73,000	\$8,922.14	\$9,730.98	\$808.84	9.1%
25.0%	600	109,500	\$13,302.12	\$14,515.38	\$1,213.26	9.1%
25.0%	800	146,000	\$17,682.10	\$19,299.78	\$1,617.68	9.1%
25.0%	1,000	182,500	\$22,062.08	\$24,084.18	\$2,022.10	9.2%
25.0%	1,500	273,750	\$33,012.03	\$36,045.18	\$3,033.15	9.2%
25.0%	2,000	365,000	\$43,961.98	\$48,006.18	\$4,044.20	9.2%
25.0%	2,500	456,250	\$54,911.93	\$59,967.18	\$5,055.25	9.2%
25.0%	3,000	547,500	\$65,861.88	\$71,928.18	\$6,066.30	9.2%
40.0%	200	58,400	\$6,261.75	\$6,908.82	\$647.07	10.3%
40.0%	400	116,800	\$12,361.32	\$13,655.46	\$1,294.14	10.5%
40.0%	600	175,200	\$18,460.88	\$20,402.10	\$1,941.22	10.5%
40.0%	800	233,600	\$24,560.45	\$27,148.74	\$2,588.29	10.5%
40.0%	1,000	292,000	\$30,660.02	\$33,895.38	\$3,235.36	10.6%
40.0%	1,500	438,000	\$45,908.94	\$50,761.98	\$4,853.04	10.6%
40.0%	2,000	584,000	\$61,157.86	\$67,628.58	\$6,470.72	10.6%
40.0%	2,500	730,000	\$76,406.78	\$84,495.18	\$8,088.40	10.6%
40.0%	3,000	876,000	\$91,655.70	\$101,361.78	\$9,706.08	10.6%
57.0%	200	83,220	\$8,210.61	\$9,132.69	\$922.08	11.2%
57.0%	400	166,440	\$16,259.05	\$18,103.20	\$1,844.16	11.3%
57.0%	600	249,660	\$24,307.48	\$27,073.72	\$2,766.23	11.4%
57.0%	800	332,880	\$32,355.92	\$36,044.23	\$3,688.31	11.4%
57.0%	1,000	416,100	\$40,404.35	\$45,014.74	\$4,610.39	11.4%
57.0%	1,500	624,150	\$60,525.44	\$67,441.02	\$6,915.58	11.4%
57.0%	2,000	832,200	\$80,646.52	\$89,867.30	\$9,220.78	11.4%
57.0%	2,500	1,040,250	\$100,767.61	\$112,293.58	\$11,525.97	11.4%
57.0%	3,000	1,248,300	\$120,888.70	\$134,719.86	\$13,831.16	11.4%
71.0%	200	103,660	\$9,815.56	\$10,964.12	\$1,148.55	11.7%
71.0%	400	207,320	\$19,468.95	\$21,766.05	\$2,297.11	11.8%
71.0%	600	310,980	\$29,122.33	\$32,567.99	\$3,445.66	11.8%
71.0%	800	414,640	\$38,775.71	\$43,369.92	\$4,594.21	11.8%
71.0%	1,000	518,300	\$48,429.10	\$54,171.86	\$5,742.76	11.9%
71.0%	1,500	777,450	\$72,562.55	\$81,176.70	\$8,614.15	11.9%
71.0%	2,000	1,036,600	\$96,696.01	\$108,181.54	\$11,485.53	11.9%
71.0%	2,500	1,295,750	\$120,829.47	\$135,186.38	\$14,356.91	11.9%
71.0%	3,000	1,554,900	\$144,962.93	\$162,191.22	\$17,228.29	11.9%

	Rates - Effective June 1, 2020	Rates - Proposed August 1, 2020	Difference
Customer Charge	\$162.18	\$162.18	\$0.00
	<u>All kVA</u>	<u>All kVA</u>	<u>All kVA</u>
Distribution Charge	\$7.60	\$7.60	\$0.00
Stranded Cost Charge	(\$0.03)	(\$0.03)	\$0.00
TOTAL	\$7.57	\$7.57	\$0.00
	<u>All kWh</u>	<u>All kWh</u>	<u>All kWh</u>
Distribution Charge	\$0.00000	\$0.00000	\$0.00000
External Delivery Charge	\$0.02502	\$0.03613	\$0.01111
Stranded Cost Charge	(\$0.00003)	(\$0.00006)	(\$0.00003)
Storm Recovery Adjustment Factor	\$0.00084	\$0.00084	\$0.00000
System Benefits Charge	\$0.00752	\$0.00752	\$0.00000
Default Service Charge*	\$0.04517	\$0.04517	\$0.00000
TOTAL	\$0.07852	\$0.08960	\$0.01108

* Default Service Charge for the G1 class is determined monthly. For purposes of this comparison, the June 2020 rate is unchanged.

Unitil Energy Systems, Inc. Typical Bill Impacts - June 1, 2020 vs. August 1, 2020 Due to Changes in the External Delivery Charge and Stranded Cost Charge Impact on OL Rate Customers *								
	Nominal Watts	Lumens	Type	Average Monthly kWh	Total Bill Using Rates 6/1/2020	Total Bill Using Rates 8/1/2020	Total Difference	% Total Difference
Mercury Vapor:								
1	100	3,500	ST	43	\$17.24	\$17.71	\$0.47	2.7%
2	175	7,000	ST	71	\$22.28	\$23.06	\$0.78	3.5%
3	250	11,000	ST	100	\$27.05	\$28.15	\$1.10	4.1%
4	400	20,000	ST	157	\$35.69	\$37.42	\$1.72	4.8%
5	1,000	60,000	ST	372	\$76.41	\$80.50	\$4.08	5.3%
6	250	11,000	FL	100	\$28.22	\$29.32	\$1.10	3.9%
7	400	20,000	FL	157	\$37.19	\$38.92	\$1.72	4.6%
8	1,000	60,000	FL	380	\$72.66	\$76.83	\$4.17	5.7%
9	100	3,500	PB	48	\$17.83	\$18.35	\$0.53	3.0%
10	175	7,000	PB	71	\$21.40	\$22.18	\$0.78	3.6%
High Pressure Sodium:								
11	50	4,000	ST	23	\$15.64	\$15.89	\$0.25	1.6%
12	100	9,500	ST	48	\$19.64	\$20.16	\$0.53	2.7%
13	150	16,000	ST	65	\$21.26	\$21.97	\$0.71	3.4%
14	250	30,000	ST	102	\$28.52	\$29.64	\$1.12	3.9%
15	400	50,000	ST	161	\$38.94	\$40.71	\$1.77	4.5%
16	1,000	140,000	ST	380	\$76.62	\$80.79	\$4.17	5.4%
17	150	16,000	FL	65	\$23.59	\$24.30	\$0.71	3.0%
18	250	30,000	FL	102	\$30.14	\$31.26	\$1.12	3.7%
19	400	50,000	FL	161	\$38.39	\$40.16	\$1.77	4.6%
20	1,000	140,000	FL	380	\$76.99	\$81.16	\$4.17	5.4%
21	50	4,000	PB	23	\$14.63	\$14.88	\$0.25	1.7%
22	100	9,500	PB	48	\$18.46	\$18.98	\$0.53	2.9%
Metal Halide:								
23	175	8,800	ST	74	\$26.72	\$27.53	\$0.81	3.0%
24	250	13,500	ST	102	\$31.03	\$32.15	\$1.12	3.6%
25	400	23,500	ST	158	\$36.99	\$38.72	\$1.73	4.7%
26	175	8,800	FL	74	\$29.81	\$30.62	\$0.81	2.7%
27	250	13,500	FL	102	\$34.21	\$35.33	\$1.12	3.3%
28	400	23,500	FL	158	\$39.42	\$41.15	\$1.73	4.4%
29	1,000	86,000	FL	374	\$66.63	\$70.73	\$4.11	6.2%
30	175	8,800	PB	74	\$25.44	\$26.25	\$0.81	3.2%
31	250	13,500	PB	102	\$29.19	\$30.31	\$1.12	3.8%
32	400	23,500	PB	158	\$35.71	\$37.44	\$1.73	4.9%
Light Emitting Diode:								
33	42	3,600	AL	15	\$14.54	\$14.70	\$0.16	1.1%
34	57	5,200	AL	20	\$15.05	\$15.27	\$0.22	1.5%
35	25	3,000	CH	9	\$13.94	\$14.04	\$0.10	0.7%
36	88	8,300	CH	30	\$16.06	\$16.39	\$0.33	2.1%
37	108	11,500	CH	37	\$16.76	\$17.17	\$0.41	2.4%
38	193	21,000	CH	67	\$19.78	\$20.52	\$0.74	3.7%
39	123	12,180	FL	43	\$17.37	\$17.84	\$0.47	2.7%
40	194	25,700	FL	67	\$19.78	\$20.52	\$0.74	3.7%
41	297	38,100	FL	103	\$23.41	\$24.54	\$1.13	4.8%
Luminaire Charges For Year Round Service:								
Rates - Effective June 1, 2020		Mercury Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Metal Halide Rate/Mo.	LED Rate/Mo.			
Customer Charge	\$0.00	1 \$13.28	11 \$13.52	23 \$19.91	33 \$13.16			
		2 \$15.75	12 \$15.22	24 \$21.65	34 \$13.21			
	All kWh	3 \$17.85	13 \$15.28	25 \$22.45	35 \$13.11			
Distribution Charge	\$0.00000	4 \$21.25	14 \$19.14	26 \$23.00	36 \$13.30			
External Delivery Charge	\$0.02502	5 \$42.19	15 \$24.13	27 \$24.83	37 \$13.36			
Stranded Cost Charge	(\$0.00012)	6 \$19.02	16 \$41.66	28 \$24.88	38 \$13.62			
Storm Recovery Adj. Factor	\$0.00084	7 \$22.75	17 \$17.61	29 \$32.22	39 \$13.41			
System Benefits Charge	\$0.00752	8 \$37.70	18 \$20.76	30 \$18.63	40 \$13.62			
Default Service Charge	\$0.05874	9 \$13.41	19 \$23.58	31 \$19.81	41 \$13.93			
TOTAL	\$0.09200	10 \$14.87	20 \$42.03	32 \$21.17				
			21 \$12.51					
			22 \$14.04					
Rates - Proposed August 1, 2020		Mercury Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Metal Halide Rate/Mo.	LED Rate/Mo.			
Customer Charge	\$0.00	1 \$13.28	11 \$13.52	23 \$19.91	33 \$13.16			
		2 \$15.75	12 \$15.22	24 \$21.65	34 \$13.21			
	All kWh	3 \$17.85	13 \$15.28	25 \$22.45	35 \$13.11			
Distribution Charge	\$0.00000	4 \$21.25	14 \$19.14	26 \$23.00	36 \$13.30			
External Delivery Charge	\$0.03613	5 \$42.19	15 \$24.13	27 \$24.83	37 \$13.36			
Stranded Cost Charge	(\$0.00025)	6 \$19.02	16 \$41.66	28 \$24.88	38 \$13.62			
Storm Recovery Adj. Factor	\$0.00084	7 \$22.75	17 \$17.61	29 \$32.22	39 \$13.41			
System Benefits Charge	\$0.00752	8 \$37.70	18 \$20.76	30 \$18.63	40 \$13.62			
Default Service Charge	\$0.05874	9 \$13.41	19 \$23.58	31 \$19.81	41 \$13.93			
TOTAL	\$0.10298	10 \$14.87	20 \$42.03	32 \$21.17				
			21 \$12.51					
			22 \$14.04					
Difference		Mercury Vapor Rate/Mo.	Sodium Vapor Rate/Mo.	Metal Halide Rate/Mo.	LED Rate/Mo.			
Customer Charge	\$0.00	1 \$0.00	11 \$0.00	23 \$0.00	33 \$0.00			
		2 \$0.00	12 \$0.00	24 \$0.00	34 \$0.00			
	All kWh	3 \$0.00	13 \$0.00	25 \$0.00	35 \$0.00			
Distribution Charge	\$0.00000	4 \$0.00	14 \$0.00	26 \$0.00	36 \$0.00			
External Delivery Charge	\$0.01111	5 \$0.00	15 \$0.00	27 \$0.00	37 \$0.00			
Stranded Cost Charge	(\$0.00013)	6 \$0.00	16 \$0.00	28 \$0.00	38 \$0.00			
Storm Recovery Adj. Factor	\$0.00000	7 \$0.00	17 \$0.00	29 \$0.00	39 \$0.00			
System Benefits Charge	\$0.00000	8 \$0.00	18 \$0.00	30 \$0.00	40 \$0.00			
Default Service Charge	\$0.00000	9 \$0.00	19 \$0.00	31 \$0.00	41 \$0.00			
TOTAL	\$0.01098	10 \$0.00	20 \$0.00	32 \$0.00				
			21 \$0.00					
			22 \$0.00					

* Luminaire charges based on All-Night Service option.

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UNITIL ENERGY SYSTEMS, INC.

DIRECT TESTIMONY OF
LISA S. GLOVER

New Hampshire Public Utilities Commission

Docket No.: DE 20-

June 17, 2020

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LIST OF SCHEDULES

Schedule LSG-1: Stranded Cost Charge Costs

Schedule LSG-2: External Delivery Charge Costs

Schedule LSG-3: Contract Release Payments and Administrative Service Charges

Schedule LSG-4: Until Power Corp. Cost and Revenue Model

Schedule LSG-5: HQ Payments and Revenues

1 **I. INTRODUCTION**

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

3 A. My name is Lisa S. Glover. My business address is 6 Liberty Lane West, Hampton,
4 NH.

5

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

7 A. I am a Senior Energy Analyst for Unitil Service Corp. ("USC"). USC provides
8 management and administrative services to Unitil Energy Systems, Inc. ("UES")
9 and Unitil Power Corp. ("UPC").

10

11 **Q. Please describe your relevant educational and work experience.**

12 A. I received my Bachelor of Science degree in Environmental Science from the
13 University of Massachusetts Amherst and a Master of Public Administration from
14 Norwich University in Vermont. I joined Unitil Service Corp. in February 2003
15 and have held various positions within the company prior to joining Energy
16 Contracts in May 2014 in my current position as Senior Energy Analyst. I have
17 primary responsibilities in the areas of default service budgeting, administration,
18 and procurement; long-term renewable energy procurement; electric market
19 operation and data reporting; and Renewable Portfolio Standard compliance.

20

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

23 A. Yes.

1 **II. SUMMARY OF TESTIMONY**

2 **Q. Please summarize your testimony in this proceeding.**

3 A. My testimony presents the cost data and explains the reasons for the proposed
4 changes to UES's Stranded Cost Charge ("SCC"), and External Delivery Charge
5 ("EDC"), effective August 1, 2020. Ms. Linda S. McNamara is sponsoring
6 testimony on the reconciliation and rate development for the SCC and EDC, based
7 on the cost data included in my testimony. Mr. Douglas Debski has provided
8 testimony to explain the calculation of displaced distribution revenue associated
9 with net metering for 2019, which is included in the proposed EDC.

10

11 **III. STRANDED COST CHARGE COSTS**

12 **Q. What costs are included in the SCC?**

13 A. The SCC includes the Contract Release Payments ("CRP") from Unitil Power
14 Corp., charged in accordance with the Amended Unitil System Agreement,
15 approved by both the Commission in Docket No. DE 01-247 and by the FERC.

16

17 Schedule LSG-1, page 1, provides a description of the CRP. Page 2 provides the
18 CRP by month reflecting actual data from August 2018 through May 2020 and
19 estimated data from June 2020 through July 2021.

20

21 **Q. Please describe the Amended Unitil System Agreement.**

22 A. The purpose of the Amended Unitil System Agreement was to restructure UES's
23 power supply in order to implement retail choice. Prior to the implementation of

1 the Amended Unitil System Agreement on May 1, 2003, UES purchased full-
2 requirements power supply from UPC at fully reconciling, cost-of-service rates.

3

4 The Amended Unitil System Agreement provides for termination of power sales
5 from UPC to UES and the payment of UPC's on-going costs by UES. These on-
6 going costs are defined in the Amended Unitil System Agreement as CRP and
7 Administrative Service Charges ("ASC"). UES recovers the CRP through the
8 SCC and the ASC through the EDC. The ASC will be discussed later under the
9 EDC costs.

10

11 **Q. Please describe the CRP.**

12 A. The CRP is calculated in accordance with Appendix 1 of the Amended Unitil
13 System Agreement. The CRP is equal to the sum of the Portfolio Sales Charge, the
14 Residual Contract Obligations, the Hydro-Quebec Support Payments, and True-
15 Ups from Prior Periods. The Portfolio Sales Charge and the Residual Contract
16 Obligations have ended. The CRP estimates in this filing, therefore, include only
17 the Hydro-Quebec Support Payments.

18

19 The Hydro-Quebec Phase II Agreements require UPC to support the Hydro-Quebec
20 Phase II facilities through October 2020. These facilities are part of one high-voltage,
21 direct-current ("HVDC") interconnection between New England and Quebec. UPC
22 has no obligation to support Phase I of these facilities. Currently, the costs for
23 maintenance and construction of these facilities are paid by Interconnection Rights

1 Holders (“IRH”) through support agreements between the IRH members and the
2 owners of the HVDC transmission facilities. The Hydro-Quebec Support Payments
3 include all costs incurred by UPC pursuant to the Hydro-Quebec Phase II Agreements,
4 offset by any revenues received by UPC for sales of UPC’s Hydro-Quebec Phase II
5 entitlement. The Hydro-Quebec Support Payments are not a known payment stream
6 because they are based on the cost-of-service of the Hydro-Quebec Phase II
7 transmission facilities. As discussed below, UPC receives revenue for short-term sales
8 of transmission rights and capacity rights. These revenues operate to offset the expense
9 of the Hydro-Quebec Support Payments.

10

11 The True-ups from Prior Periods reflect any differences in costs resulting from the
12 reconciliation of estimated costs to actual costs under the CRP component of the
13 Amended Unitil System Agreement. The True-ups from Prior Periods also provide
14 for the reconciliation of costs billed to UPC for services purchased in UPC’s
15 performance of the Unitil System Agreement, prior to May 1, 2003. The CRP
16 estimates in the current filing reflect no True-ups from obligations prior to May 1,
17 2003.

18

19 **Q. Please provide an estimate of each of the components of the CRP.**

20 A. Details regarding the CRP are provided in Schedule LSG-3. This shows the actual
21 itemized CRP and ASC charges as billed by UPC to UES for the period beginning
22 August 2018 through May 2020 under the Amended Unitil System Agreement.
23 Beginning on page 2 of Schedule LSG-3, estimated CRP and ASC for the 14-month

1 period beginning June 2020 and ending July 2021 are presented. UPC bills UES
2 on estimated data, prior to the beginning of the month of service. These estimates
3 are trued-up to actuals on a two-month lag.

4

5 **Q. Please provide a comparison of the estimated CRP for the upcoming SCC rate**
6 **period (August 2020 through July 2021) to the projected CRP for the current**
7 **SCC rate period (August 2019 through July 2020).**

8 A. Table 1 below provides a comparison of the estimated CRP for the upcoming SCC
9 rate period to the projected CRP for the current SCC rate period. At the time of the
10 preparation of this estimate of the CRP, actual CRP expense data was available
11 through May 2020. As such, the projected actual CRP for the current SCC rate
12 period (August 2019 through July 2020) is comprised of ten months of actual data
13 and two months of estimated data.

Table 1. Comparison of Estimated CRP for August 2020 through July 2021 to Projected CRP for August 2019 through July 2020				
Unitil Power Corp.				
Line No.	Line Item Description	Aug 2019 - July 2020 10 Months Act. and 2 Months Est.	Aug 2020 - July 2021 Estimate	Variance (Aug 2020 - July 2021 Costs minus Aug 2019 - July 2020 Costs)
1	Portfolio Sales Charge	\$0	\$0	\$0
2	Residual Contract Obligations	\$0	\$0	\$0
3	Hydro-Quebec Support Payments	(\$497,801)	(\$144,715)	\$353,086
4	Subtotal (L. 2 through 4)	(\$497,801)	(\$144,715)	\$353,086
5	True-up for estimate	\$12,168	\$0	(\$12,168)
6	Obligations prior to May 1, 2003	\$0	\$0	\$0
7	Total Contract Release Payments as billed by Unitil Power Corp.	(\$485,633)	(\$144,715)	\$340,918

14

15

16 **Q. Please report on the efforts by UPC to mitigate the stranded costs associated**
17 **with the Hydro-Quebec Phase II Agreements.**

1 A. UPC mitigates these costs through short-term sales of the transmission rights and
2 capacity, which UPC is entitled to through its support of the Hydro-Quebec Phase
3 II facilities. Currently, UPC resells its transmission rights on a short-term basis
4 through a brokering agreement with Green Mountain Power (“GMP”). Under this
5 brokering agreement, which was amended November 1, 2015, to increase the
6 maximum duration of transmission sales from one month to one year, GMP offers
7 UPC’s transmission rights associated with the Hydro-Quebec Phase II facilities for
8 sale on a short-term basis through GMP’s OASIS website. GMP has authority
9 under this amended agreement to enter into binding sales of UPC’s Hydro-Quebec
10 transmission rights for firm and non-firm transactions for a maximum term of one
11 year. UPC also has rights to Hydro-Quebec Interconnection Capability Credit
12 (“HQICC”), pursuant to the ISO Tariff. UPC is reimbursed by GMP for its HQICC
13 at a price equal to the ISO Net Regional Clearing Price.¹ Please refer to Schedule
14 LSG-5 for itemized cost and revenue offsets, related to the Hydro-Quebec Phase II
15 Support Agreements.

16
17 **Q. Has UPC prepared an accounting of the costs and revenues to UPC under the**
18 **CRP and the ASC?**

19 A. Yes. Schedule LSG-4 provides this accounting for the period beginning August
20 2018 through May 2020. UPC bills UES estimates of the CRP and ASC on the 25th

¹ The Net Regional Clearing Price is calculated by first adding Forward Capacity Auction payments to Net Reconfiguration Auction Credits or Charges and subtracting Peak Energy Rent Adjustments. This total is then divided by the Net Regional Supply Obligation.

1 of the month for the upcoming month. The estimated expenses are trued-up to
2 actual expenses on a two-month lag basis. In order to calculate the true-up, UPC
3 tracks the actual expenses, which comprise both the CRP and the ASC. These
4 actual expenses are compared to the estimated expenses to calculate the true-up for
5 prior period. Schedule LSG-4 provides summary data of actual CRP and ASC
6 expenses and revenues.

7

8 **IV. TERMINATION OF PHASE II SUPPORT AGREEMENTS**

9 **Q. Please provide background on the Hydro-Quebec Phase II Support**
10 **Agreements.**

11 A. The Hydro-Quebec high voltage direct current (“HVDC”) transmission facilities
12 were supported by two sets of agreements signed in the 1980s. The Support
13 Agreements pre-dated electric industry restructuring and were entered into on a pro
14 rata basis by all or nearly all members of the New England Power Pool
15 (“NEPOOL”). The Phase I Support Agreements were signed in 1980, and brought
16 interconnection and transmission facilities with approximately 690 MW of transfer
17 capability from the Hydro-Quebec system to New England into service in 1986.
18 The Phase II Support Agreements were signed in 1985 and increased the total
19 transfer capability from Hydro-Quebec to New England to approximately 2,000
20 MW. A Restated Use Agreement² defines the rights (“Use Rights”) of parties to

² New England Power Pool FERC Electric Third Revised Rate Schedule No. 4.

1 the Support Agreements, also known as Interconnection Rights Holders (“IRH”).
2 The term of the Phase I and Phase II Support Agreements is 30 years after the Phase
3 II facilities went into service. The Phase II facilities went into service in the fall of
4 1990 and the agreements are set to expire October 31, 2020.

5

6 **Q. What is Unitil Power Corp.’s share of the Phase II Support Agreements?**

7 A. UPC’s share of Phase II is 1.227 percent, which provides Use Rights for
8 approximately 16 MW of transfer capability. The Phase II Support Agreements
9 include four separate agreements.³ UPC does not have a share of Phase I.

10

11 **Q. Why didn’t Unitil Power Corp. divest its Phase II entitlement during**
12 **restructuring?**

13 A. UPC sought to divest its Phase II entitlement early in the divestiture process, but
14 did not find market interest so the entitlement was retained in Unitil Energy
15 Systems, Inc’s power supply restructuring plan. UPC has mitigated the costs of the
16 Phase II Support Agreements since restructuring began and recovered costs from
17 and credited revenues to UES under the Unitil System Agreement. In turn, UES

³Phase II Boston Edison AC Facilities Support Agreement, dated June 1, 1985. Phase II Massachusetts Transmission Facilities Support Agreement, dated June 1, 1985. Phase II New England Power AC Facilities Support Agreement, dated June 1, 1985. Phase II New Hampshire Transmission Facilities Support Agreement, dated June 1, 1985.

1 has recovered the net costs in the SCC. As documented in the prior section,
2 mitigation has taken the form of transmission sales and HQICC.

3

4 **Q. What are the renewal rights associated with the Support Agreements?**

5 A. The Support Agreements include a right to renew for an additional period of up to
6 20 years. The right must be exercised no later than two years before the termination
7 date, or by October 31, 2018. There is a requirement that 100 percent of the
8 entitlements must be renewed or the renewal right is forfeited. Thus, if an
9 individual IRH decides not to renew, then their shares would need to be allocated
10 among those IRH who choose to renew.

11

12 **Q. Has UPC decided to exercise the renewal right or to let its share of the Support**
13 **Agreements terminate?**

14 A. UPC has decided not to renew its share of the Phase II Support Agreements and to
15 let its share terminate on November 1, 2020.

16

17 **Q. Why has UPC elected not to renew the Phase II Support Agreements and the**
18 **Restated Use Rights Agreement?**

19 A. As stated in its previous filing (DE 19-111) these agreements are not needed to
20 provide service to UES' customers. UES is a distribution company that purchases
21 electric default service power from the market as directed by the Commission. The
22 purpose of the Support Agreements, which pre-dated industry restructuring, was to
23 build the HVDC transmission line for the benefit of the New England region. The

1 facilities are now in service and there is no indication that UPC not renewing its
2 share of the support agreement will lead to the abandonment of the facilities.
3 Lastly, although mitigation revenues from UPC's Phase II entitlement have been
4 higher than costs in recent years, the level of such revenues is largely outside of
5 UPC's control. If mitigation revenues were to fall below the cost of support
6 payments in the future, UPC would incur net costs that are not related to the services
7 required by UES.

8

9 **Q. What other benefits derive from UPC's decision not to renew the Phase II**
10 **Support Agreements?**

11 A. Allowing the Phase II Support Agreements to terminate will allow the elimination
12 of the Stranded Cost Charge, the opportunity to dissolve UPC and the opportunity
13 to terminate the Unitil System Agreement. These changes would also better align
14 UES's energy supply related commitments with its energy procurement practices.

15

16 **V. EXTERNAL DELIVERY CHARGE COSTS**

17 **Q. What costs are included in the EDC?**

18 A. Schedule LSG-2, page 1 provides a description of the costs included in the EDC:

- 19 1) Third Party Transmission Providers (Eversource Network Integration
20 Transmission Service);
21 2) Regional Transmission and Operating Entities;
22 3) Third Party Transmission Providers (Eversource Wholesale Distribution);
23 4) Working Capital Associated with Other Flow-Through Operating Expenses-
24 transmission costs only;
25 5) Transmission-Based Assessments and Fees;
26 6) Load Estimation and Reporting System and EDI Communication Costs;

- 1 7) Unmetered Purchased Power;
- 2 8) Data and Information Services;
- 3 9) Legal Charges;
- 4 10) Consulting Outside Service Charges;
- 5 11) Administrative Service Charges;
- 6 12) EDC Portion of the Annual PUC Assessment;
- 7 13) Net Metering Credits
- 8 14) Net Metering Costs
- 9 15) Regional Greenhouse Gas Initiative Auction Proceeds;
- 10 16) Other Regulatory Expenses;
- 11 17) Working Capital Associated with Other Flow-Through Operating Expenses-
- 12 excluding transmission costs; and
- 13 18) Displaced Distribution Revenue.

14 Items 1), 2), and 3) of the Schedule are discussed below:

15 The Third Party Transmission Providers (Eversource Network Integration
16 Transmission Service) component of the EDC consists of Network Integration
17 Transmission Service taken by UES and provided by the Eversource Energy
18 companies⁴ (“Eversource”) pursuant to Schedule 21-ES of the ISO New England
19 Inc. Transmission, Markets and Services Tariff (FERC Electric Tariff No.3) (“ISO
20 Tariff”).

21
22 The Regional Transmission and Operating Entities component of the EDC consists
23 of all charges from ISO New England Inc. (“ISO”). These charges consist primarily
24 of Regional Network Service, taken pursuant to the ISO Tariff. Other major costs
25 (which are also billed by the ISO to UES) are various ancillary services allocated

⁴ Northeast Utilities formerly changed its name and those of all its subsidiaries in January 2015 to Eversource Energy.

1 to transmission customers, such as VAR support, dispatch service, and black-start
2 capability.

3

4 The Third Party Transmission Providers (Eversource Wholesale Distribution)
5 component consists of Distribution Delivery Service (“DDS”) charges with
6 Eversource. DDS compensates Eversource for the wheeling of power from the
7 Eversource transmission system to UES’s distribution system over certain facilities,
8 which are classified as distribution facilities for accounting purposes and, therefore,
9 are not included in the Eversource transmission system rate base.

10

11 **Q. Please provide the External Delivery cost data, which was utilized in the**
12 **calculation of the EDC.**

13 A. Schedule LSG-2 provides the External Delivery cost data used in the calculation of
14 the EDC. Page 2 provides actual historic External Delivery cost data for the year
15 beginning August 2018 through July 2019. Actual External Delivery cost data for
16 the months of August 2018 through April 2019 was included in UES’s last EDC
17 rate and reconciliation filing, Docket No. DE 19-111. In that docket, UES provided
18 estimated External Delivery costs for May 2019 through July 2020. Rather than
19 present partial data beginning with May 2019, UES is presenting the full period.
20 Page 3 of Schedule 2 provides External Delivery cost data for the current EDC rate
21 period, August 2019 through July 2020. Actual cost data is available through May
22 2020, and estimated cost data is provided for June 2020 and July 2020. Finally,

1 page 4 of Schedule LSG-2 provides estimated External Delivery costs for the
2 upcoming EDC rate period, August 2020 through July 2021.

3

4 **Q. Please provide a comparison of the External Delivery costs for the upcoming**
5 **EDC rate period (August 2020 through July 2021) to the projected External**
6 **Delivery costs for the current EDC rate period (August 2019 through July**
7 **2020).**

8 A. Please refer to Table 2 below for an itemized comparison of estimated External
9 Delivery cost for the upcoming EDC rate period to the projected External Delivery
10 costs for the current rate period.

Table 2. Comparison of Estimated External Delivery costs for August 2020 through July 2021 to projected External Delivery costs for August 2019 through July 2020				
Unitil Energy Systems, Inc.				
Line No.	Line Item Description	Aug 2019 - July 2020	Aug 2020 - July 2021	Variance (Aug 2020 - July 2021 Costs minus Aug 2019 - July 2020 Costs)
		10 Months Act. and 2 Months Est.	Estimate	
1	Third Party Transmission Providers (Eversource Network Integration Transmission Service)	\$5,746,574	\$3,897,533	(\$1,849,041)
2	Regional Transmission and Operating Entities	\$24,484,627	\$28,041,480	\$3,556,853
3	Third Party Transmission Providers (Eversource Wholesale Distribution)	\$2,830,362	\$2,856,824	\$26,463
4	Working Capital associated with Other Flow-Through Operating Expenses-Transmission Costs only	\$413,608	\$434,996	\$21,388
5	Transmission-based Assessments and Fees	\$26,094	\$13,000	(\$13,094)
6	Load Estimation and Reporting System Costs	\$284,181	\$292,800	\$8,619
7	Unmetered Purchased Power	(\$1,688)	\$0	\$1,688
8	Data and Information Services	\$15,000	\$15,000	\$0
9	Legal Charges	\$7,055	\$29,000	\$21,945
10	Consulting Outside Service Charges (UES) & OCA Consultant Expense	\$64,622	\$90,000	\$25,378
11	Administrative Service Charges	\$6,215	\$5,377	(\$838)
12	EDC Portion of the annual PUC Assessment	\$87,506	\$91,322	\$3,816
13	Net Metering Credits	\$84,549	\$179,170	\$94,621
14	Net Metering costs	\$0	\$0	\$0
15	RGGI Auction Proceeds	(\$1,456,913)	(\$1,500,000)	(\$43,087)
16	Other Regulatory Expenses	\$142,742	\$0	(\$142,742)
17	Working Capital associated with Other Flow-Through Operating Expenses - excluding transmission costs	\$70,360	\$70,360	\$0
18	Displaced Distribution Revenue	\$218,008	\$243,087	\$25,080
19	Total External Delivery Costs	\$33,022,901	\$34,759,950	\$1,737,049

1

1 **Q. Please explain the projected increase in External Delivery costs for the**
2 **upcoming EDC rate period (August 2020 through July 2021) over the current**
3 **EDC rate period (August 2019 through July 2020).**

4 A. The External Delivery costs for the upcoming EDC rate period are projected to be
5 \$1,737,049 higher than those in the current rate period. The largest contributor to
6 the increase is the projected costs associated with Regional Transmission and
7 Operating Entities due to a higher Regional Network Service (“RNS”) rate which
8 increased 15% over the prior RNS rate. The increase is offset by lower projected
9 costs associated with Third Party Transmission Providers (Eversource Wholesale
10 Distribution) for interconnection and distribution delivery services compared to the
11 prior period. The prior period includes a substantial estimated annual true-up from
12 Eversource which is due to a reduction in the 2019 average load which was
13 approximately 1,000 MW lower than 2018.

14

15 **Q. Describe Unitil’s effort to reduce peak demand.**

16 A. In 2019, the Company implemented a pilot C&I Active Demand Response
17 Initiative (DRI) designed to provide incentives that reduce demand at peak times.
18 The 2019 initiative focused on C&I Interruptible Load that was a technology
19 agnostic, pay-for-performance model. For 2020, the Company proposed to expand
20 the initiative to build upon the successes of the 2019 pilot to increase the MW goals
21 and participation; include residential direct load control offerings focused on
22 reducing summer peak demand; and offer a residential pay-for-performance battery
23 storage pathway and C&I storage targeted dispatch. These offerings are being

1 implemented by the Company's energy efficiency programs as part of their demand
2 reduction initiatives.

3

4 **Q. What legal charges does UES expect to incur under the EDC?**

5 A. UES estimates that it will incur legal charges of \$29,000 for the upcoming EDC
6 rate period (August 2020 through July 2021). These costs include charges for work
7 on a FERC wheeling tariff rate filing that the Company expects to make within the
8 upcoming EDC rate period. These costs also cover the UES portion of the NAESB
9 membership as well as an estimate to cover routine legal costs. Any legal costs
10 associated with procurement of Default Service are recovered through the Default
11 Service Charge.⁵

12

13 **Q. What consulting charges does UES expect to incur under the EDC?**

14 A. UES estimates that it will incur approximately \$90,000 in outside consulting
15 service charges for the upcoming EDC rate period (August 2020 through July
16 2021). These costs include charges associated with the FERC wheeling tariff filing
17 previously referenced as well as estimated costs to the State of New Hampshire
18 and/or OCA consultants.

19

⁵ This is in accordance with the settlement agreement approved in Docket No. DE 05-064.

1 **Q. Please provide the detail behind the estimate for the Administrative Service**
2 **Charges.**

3 A. Details regarding the ASC are provided in Schedule LSG-3 on lines 10 through 18.
4 The ASC includes any costs incurred by UPC, relative to UPC's obligations under
5 the Amended Unitil System Agreement, which are not otherwise assigned or
6 assumed by UES. These costs include NEPOOL, ISO, and RTO costs, as well as
7 legal, consulting, and other outside services. It does not include any internal costs
8 of USC, UES or UPC. These costs are projected to be lower compared to the prior
9 period.

10

11 **Q. Has UES included Regional Greenhouse Gas Initiative (RGGI) rebates in the**
12 **proposed EDC?**

13 A. Yes. UES has included the rebate of excess RGGI auction proceeds applicable to
14 all retail electric customers as a separate line item in the EDC. UES records the
15 rebates in the EDC on the month in which it is received, and applies carrying
16 charges. For the actual period of August 2018 through May 2020, UES has
17 recorded seven rebate amounts totaling \$2,519,218. In accordance with Order No.
18 25,664, UES has included estimates of auction amounts it expects to receive
19 through July 2021 in order to ensure customers receive the credit, or estimate
20 thereof, in a timely manner. These estimates are shown on Schedule LSG-2, Pages
21 3 and 4.

22

1 **Q. Has UES included in this filing the recovery of costs associated with lost**
2 **distribution revenue due to net metering?**

3 A. Yes. In accordance with Order No. 25,991 in DE 15-147, UES is allowed to recover
4 displaced distribution revenue through its EDC. Please see the Testimony and
5 Exhibits prepared by Mr. Douglas Debski.

6

7 **VI. UPC COSTS AND REVENUES**

8 **Q. Has UPC prepared an accounting of the costs and revenues to UPC under the**
9 **CRP and the ASC?**

10 A. Yes. Schedule LSG-4 provides this accounting for the period beginning August
11 2018 through May 2020. UPC bills UES estimates of the CRP and ASC on the 25th
12 of the month for the upcoming month. The estimated expenses are true-up to
13 actual expenses on a two-month lag basis. In order to calculate the true-up, UPC
14 tracks the actual expenses, which comprise both the CRP and the ASC. These
15 actual expenses are compared to the estimated expenses to calculate the true-up for
16 prior period. Schedule LSG-4 provides summary data of actual CRP and ASC
17 expenses and revenues.

18

19 **VII. CONCLUSION**

20 **R. Does that conclude your testimony?**

21 A. Yes, it does.

Unitil Energy Services, Inc.
 Description of Stranded Costs

Schedule LSG-1
 Page 1 of 2

Stranded Costs (Page 2 of 2)	Description
Contract Release Payments to Unitil Power Corp.	Costs of Contract Release Payments billed by Unitil Service Corp under the FERC-approved Amended Unitil System Agreement.

Unitil Energy Systems, Inc.
Itemized Costs for Stranded Cost Charge Reconciliation

Schedule LSG-1
Page 2 of 2

		Contract Release Payments to Unitil Power Corp. (1)	Total Costs
Aug-18	Actual	(\$48,231)	(\$48,231)
Sep-18	Actual	(\$61,187)	(\$61,187)
Oct-18	Actual	(\$68,359)	(\$68,359)
Nov-18	Actual	(\$56,911)	(\$56,911)
Dec-18	Actual	(\$56,163)	(\$56,163)
Jan-19	Actual	(\$224)	(\$224)
Feb-19	Actual	(\$45,784)	(\$45,784)
Mar-19	Actual	(\$44,476)	(\$44,476)
Apr-19	Actual	(\$49,781)	(\$49,781)
May-19	Actual	(\$52,736)	(\$52,736)
Jun-19	Actual	(\$23,365)	(\$23,365)
Jul-19	Actual	<u>(\$32,201)</u>	<u>(\$32,201)</u>
Total Aug-18 to Jul-19		(\$539,418)	(\$539,418)
Aug-19	Actual	(\$65,276)	(\$65,276)
Sep-19	Actual	(\$73,756)	(\$73,756)
Oct-19	Actual	(\$36,490)	(\$36,490)
Nov-19	Actual	(\$51,270)	(\$51,270)
Dec-19	Actual	(\$11,510)	(\$11,510)
Jan-20	Actual	(\$32,858)	(\$32,858)
Feb-20	Actual	(\$18,624)	(\$18,624)
Mar-20	Actual	(\$42,669)	(\$42,669)
Apr-20	Actual	(\$37,508)	(\$37,508)
May-20	Actual	(\$45,861)	(\$45,861)
Jun-20	Estimate	(\$40,292)	(\$40,292)
Jul-20	Estimate	<u>(\$29,518)</u>	<u>(\$29,518)</u>
Total Aug-19 to Jul-20		(\$485,633)	(\$485,633)
Aug-20	Estimate	(\$29,518)	(\$29,518)
Sep-20	Estimate	(\$29,518)	(\$29,518)
Oct-20	Estimate	(\$29,518)	(\$29,518)
Nov-20	Estimate	(\$29,504)	(\$29,504)
Dec-20	Estimate	(\$29,504)	(\$29,504)
Jan-21	Estimate	\$0	\$0
Feb-21	Estimate	\$0	\$0
Mar-21	Estimate	\$0	\$0
Apr-21	Estimate	\$0	\$0
May-21	Estimate	\$0	\$0
Jun-21	Estimate	\$0	\$0
Jul-21	Estimate	<u>\$0</u>	<u>\$0</u>
Total Aug-20 to Jul-21		(\$147,563)	(\$147,563)

(1) Breakdown of costs included in the Contract Release Payments are presented in Schedule LSG-3.

Schedule LSG-2
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Unitil Energy Services, Inc.

Description of External Delivery Charge

Description	Description
(a) Third Party Transmission Providers (Eversource Network Integration Transmission Service)	Transmission charges billed by others who are authorized to bill the Company for their services. Reflects Network Integration Transmission Service taken under Schedule 21-ES of the ISO-NE Open Access Transmission Tariff.
(b) Regional Transmission and Operating Entities	Charges associated with regional power systems, transmission and expenses. Currently reflects NEPOOL and ISO-NE charges.
(c) Third Party Transmission Providers (Eversource Wholesale Distribution)	Transmission charges billed by others who are authorized to bill the Company for their services. Costs associated with wheeling of power across Eversource's facilities, classified as distribution for accounting purposes, to Unitil Energy's distribution system.
(d) Working Capital Associated with Other Flow-Through Operating Expenses – Transmission Costs only	Costs of Working Capital Associated with Other Flow-Through Operating Expenses are to be recovered through the EDC commencing May 1, 2011. Costs reflect transmission-only costs.
(f) Transmission-based Assessments and Fees	Transmission-based assessments and fees billed by or through regulatory agencies such as the FERC.
(g) Load Estimation and Reporting System and EDI Communication Costs	Third party implementation and monthly service costs associated with load estimating and reporting systems necessary for allocating and reporting supplier loads to NEPOOL and communicating with retail suppliers. Currently reflects Logica Inc., EC Infosystems, and Energy Services Group charges. Logica Inc. is the vendor used to provide load allocation services; EC Infosystems was the vendor used for EDI services until March 2018 when Energy Services Group became the EDI vendor.
(h) Unmetered Purchased Power	Unmetered Purchased Power is associated with Real-Time Energy which is the balancing settlement for the quantity deviations from each participant's Day-Ahead Energy Market obligations. Market Participants receive either a credit or charge based upon whether the real-time generation obligation is in excess of or is less than their day-ahead cleared schedule. Prior to August 2017, these costs were included in column (b) Regional Transmission and Operating Entities, as they are part of the ISO-NE charges.
(i) Data and Information Services	Third party costs related to data information services provided to the Company for receiving ISO-NE data. Currently reflects cost of a data system provided by Connecticut Municipal Electric Energy Cooperative (CMEEC).
(j) Legal Charges	Legal fees related to the Company's transmission and energy obligations and responsibilities, including legal and regulatory activities associated with the ISO-NE, NEPOOL, RTO and FERC.
(k) Consulting Outside Service Charges & OCA Consultant Expense	Consulting outside service charges related to the Company's transmission and energy obligations and responsibilities, including legal and regulatory activities associated with the ISO-NE, NEPOOL, RTO and FERC, and Commission approved special assessments charged to the Company due to the expenses of experts employed by the Office of Consumer Advocate pursuant to the provisions of RSA 363:28,III.
(l) Administrative Service Charges	Costs of Administrative Service Charges billed to the Company by Unitil Power Corp. under the FERC-approved Amended Unitil System Agreement.
(m) Non-Distribution/EDC Portion of the Annual PUC Assessment	Costs of the Non-Distribution/EDC Portion of the Annual PUC Assessment are to be recovered through the EDC.
(n) Net Metering Credits	Net metering credits associated with alternative net metering.
(o) Net Metering Costs	Costs associated with the alternative net metering tariff approved in Docket DE 16-576, including: meters installed and related data management; independent monitoring services, bi-directional and production meters installed and related data management systems and processes; pilot programs; studies; and data collection, maintenance and dissemination.
(p) Regional Greenhouse Gas Initiative (RGGI) rebates	Rebate of excess RGGI auction proceeds applicable to all retail electric customers.
(q) Other Regulatory Expenses	Expenses related to DE 16-576 (net metering) and IR 15-296 (electric grid modernization) are to be recovered through the EDC pending the NHPUC's final audit report. Company regulatory costs associated with the net metering docket, and Commission and OCA expenses charged to the Company in the net metering and grid modernization dockets will be amortized over a period of three years (August 1, 2017 through July 31, 2020).
(t) Working Capital Associated with Other Flow-Through Operating Expenses-excluding transmission costs	Costs of Working Capital Associated with Other Flow-Through Operating Expenses are to be recovered through the EDC commencing May 1, 2011. Costs reflect Other Flow-Through Operating Expenses, excluding transmission costs included in the Working Capital Associated with Other Flow-Through Operating Expenses – Transmission Costs only.
(s) Displaced Distribution Revenue	The EDC shall include a charge for the recovery of displaced distribution revenue associated with net metering for 2013 and subsequent years.

Unitil Energy Systems, Inc.
Itemized Costs for External Delivery Reconciliation

External Delivery Costs:	(a) Third Party Transmission Providers (Eversource Network Integration Services)	(b) Retail Transmission and Operating Entities	(c) Third Party Transmission Providers (Eversource Distribution)	(d) Capital associated with Other Flow-Through Operating Expenses-Transmission Costs only (2)	(e) Sub-Total: Transmission Costs included in the EDC (sum a thru d)	(f) Transmission Assessments and Fees	(g) Load Estimation and Reporting System Costs	(h) Unrecovered Purchased Power	(i) Data and Information Services	(j) Local Charges	(k) Contingency Outside Service Charges (UES) & OCA Consultant Expense	(l) Administrative Service Charges (1)	(m) EDC Portion of the annual PUC Assessment	(n) Metering Credits	(o) Net Metering costs	(p) RGS/Custom Proceeds	(q) Other Regulatory Expenses	(r) Working Capital associated with Other Flow-Through Operating Expenses - Transmission (costs (3))	(s) Dispatched Distribution Revenue	(t) Sub-Total: Non-Transmission Costs included in the EDC (sum f thru s)	(u) Total EDC Costs (e plus t)
Aug-18 Actual	\$90,854	\$2,808,306	\$270,201	\$39,700	\$3,209,061	\$0	\$23,301	(\$316)	\$1,250	\$0	\$7,495	(\$34)	(\$43,191)	\$902	\$0	\$0	\$11,895	\$3,909	\$187,746	\$192,957	\$3,402,017
Sep-18 Actual	\$79,690	\$2,268,066	\$293,157	\$33,080	\$2,673,993	\$0	\$23,444	(\$483)	\$1,250	\$0	\$138	(\$26)	(\$36,201)	\$877	\$0	(\$295,860)	\$11,895	\$729	\$0	(\$294,236)	\$2,378,758
Oct-18 Actual	\$91,177	\$1,752,518	\$547,559	\$29,953	\$2,421,207	\$0	\$27,594	(\$11,265)	\$1,250	\$218	\$0	(\$85)	\$11,426	\$350	\$0	\$0	\$11,895	\$4,075	\$0	\$45,458	\$2,466,665
Nov-18 Actual	\$90,505	\$1,735,372	\$225,429	\$25,695	\$2,077,001	\$0	\$23,461	(\$1,041)	\$1,250	\$0	\$0	(\$22)	\$11,426	\$139	\$0	\$0	\$11,895	\$4,220	\$0	\$52,266	\$2,129,266
Dec-18 Actual	\$942	\$1,901,746	\$226,703	\$26,673	\$2,156,063	\$0	\$23,473	(\$427)	\$1,250	\$0	\$131	\$57	\$11,426	\$117	\$0	\$0	\$11,895	\$11,885	\$0	\$59,806	\$2,215,870
Jan-19 Actual	\$180,526	\$1,992,651	\$229,842	\$29,724	\$2,402,743	\$0	\$23,473	(\$217)	\$1,250	\$0	\$0	\$396	\$6,991	\$276	\$0	(\$367,713)	\$11,895	(\$889)	\$0	(\$324,599)	\$2,078,145
Feb-19 Actual	\$208,861	\$1,874,172	\$226,666	\$29,931	\$2,338,620	\$0	\$23,485	(\$108)	\$1,250	\$124	\$0	\$555	\$6,991	\$185	\$0	\$0	\$11,895	\$2,489	\$0	\$46,866	\$2,385,486
Mar-19 Actual	\$208,366	\$1,797,995	\$225,302	\$27,966	\$2,260,629	\$0	\$14,733	(\$243)	\$1,250	\$566	\$0	\$42	\$20,297	\$1,059	\$0	\$0	\$11,895	\$4,169	\$0	\$53,538	\$2,314,147
Apr-19 Actual	\$523,199	\$1,525,198	\$225,429	\$25,952	\$2,097,778	\$0	\$33,401	(\$416)	\$1,250	\$0	\$0	\$4397	\$11,426	\$2,688	\$0	(\$90,510)	\$11,895	(\$766)	\$0	(\$265,519)	\$1,812,263
May-19 Actual	\$203,549	\$1,658,549	\$228,429	\$26,463	\$2,106,251	\$0	\$23,976	(\$346)	\$1,250	\$0	\$0	\$198	\$11,426	\$2,688	\$0	\$0	\$11,895	\$3,523	\$0	\$61,071	\$2,167,322
Jun-19 Actual	\$207,216	\$1,669,549	\$228,429	\$26,463	\$2,106,251	\$0	\$23,976	(\$346)	\$1,250	\$0	\$0	\$198	\$11,426	\$2,688	\$0	\$0	\$11,895	\$3,523	\$0	\$61,071	\$2,167,322
Jul-19 Actual	\$207,294	\$2,871,072	\$305,138	\$59,877	\$3,223,380	\$0	\$33,531	(\$354)	\$1,250	\$390	\$423	\$26	\$11,426	\$6,790	\$0	(\$423,223)	\$11,895	\$1,169	\$0	(\$357,031)	\$2,866,350
Total Aug-18 to Jul-19	\$1,543,058	\$3,236,993	\$3,236,993	\$360,006	\$29,100,614	\$0	\$287,219	(\$14,672)	\$15,000	\$4,170	\$81,187	\$6,176	\$34,867	\$24,259	\$0	(\$1,437,305)	\$142,742	\$40,680	\$187,746	(\$700,930)	\$28,399,684

(1) Breakdown of costs included in the Administrative Service Charge are presented in Schedule LSG-3.
 (2) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Transmission Costs and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 10.16%.
 (3) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Excluding Transmission Costs and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 10.16%.

Schedule LSG-2
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Unidil Energy Systems, Inc.
Itemized Costs for External Delivery Reconciliation

External Delivery Costs:	(a) Third Party Transmission Providers (Eversource Network Integration Services)	(b) Retail Transmission and Operating Entities	(c) Third Party Transmission Providers (Eversource Wholesale Distribution)	(d) Capital associated with Other Flow-Through Operating Expenses-Transmission Costs only (2)	(e) Sub-costs Transmission Costs included in the EDC (sum a thru d)	(f) Transmission based Assessments and Fees	(g) Load Estimation and Reporting System Costs	(h) Unrecouped Purchased Power	(i) Data and Information Services	(j) Local Charges	(k) Contracting Outside Service Charges (UES) & OCA Consultant Expense	(l) Administrative Service Charges (1)	(m) EDC Portion of the annual PUC Assessment	(n) Metering Credits	(o) Metering costs	(p) RGS/Union Proceeds	(q) Other Regulatory Expenses	(r) Working Capital associated with Other Flow-Through Operating Expenses - Transmission Costs (3)	(s) Dispatched Distribution Revenue	(t) Sub-total Non-Transmission Costs included in the EDC (sum f thru s)	(u) Total EDC Costs (e plus t)
Aug-19 Actual	\$233,663	\$2,504,659	\$286,206	\$37,885	\$3,062,413	\$13,094	\$23,742	\$24,963	Connecticut Municipal Electric Energy Cooperative	\$722	\$0	\$73	(\$4,462)	\$7,195	\$0	\$0	\$11,895	\$4,536	\$218,008	\$301,016	\$3,363,429
Sep-19 Actual	\$232,716	\$1,905,635	\$229,403	\$29,659	\$2,397,413	\$0	\$13,747	(\$3,004)	\$1,250	\$0	\$0	(\$122)	(\$20,350)	\$6,190	\$0	\$0	\$11,895	\$5,188	\$0	\$20,484	\$2,417,907
Oct-19 Actual	\$234,301	\$1,569,775	\$214,578	\$26,180	\$2,039,814	\$0	\$36,138	(\$281)	\$0	\$0	\$7,390	(\$39)	\$11,426	\$3,205	\$0	(\$344,763)	\$11,895	\$4,198	\$0	\$270,842	\$1,762,972
Nov-19 Actual	\$219,448	\$1,669,775	\$213,963	\$26,341	\$2,129,218	\$0	\$25,222	\$706	\$2,500	\$0	\$0	\$167	\$11,843	\$1,638	\$0	\$0	\$11,895	\$9,053	\$0	\$63,022	\$2,192,240
Dec-19 Actual	\$213,808	\$1,931,275	\$222,077	\$29,651	\$2,396,812	\$0	\$13,768	(\$29)	\$1,250	\$0	\$0	\$59	\$11,634	\$1,132	\$0	\$0	\$11,895	\$7,520	\$0	\$61,001	\$2,457,813
Jan-20 Actual	\$215,316	\$1,890,334	\$219,884	\$29,072	\$2,354,606	\$0	\$34,616	(\$25,225)	\$1,250	\$0	\$0	\$59	\$11,634	\$1,434	\$0	(\$378,418)	\$11,895	(\$1,858)	\$0	(\$344,413)	\$2,010,193
Feb-20 Actual	\$220,235	\$1,792,491	(\$5,230)	\$25,096	\$2,032,592	\$0	\$24,212	\$6	\$1,250	\$2,000	\$7,590	\$5,342	\$11,634	\$2,336	\$0	\$0	\$11,895	\$6,292	\$0	\$70,546	\$2,103,138
Mar-20 Actual	\$429,129	\$1,661,386	\$432,567	\$31,542	\$2,554,624	\$0	\$24,332	(\$603)	\$1,250	\$0	\$0	\$0	\$11,634	\$7,634	\$0	\$0	\$11,895	\$5,742	\$0	\$79,917	\$2,634,541
Apr-20 Actual	\$432,222	\$1,550,396	\$213,596	\$27,456	\$2,223,670	\$0	\$25,270	(\$467)	\$1,250	\$0	\$0	\$0	\$11,634	\$8,996	\$0	\$0	\$11,895	\$4,006	\$0	\$62,635	\$2,286,305
May-20 Actual	\$326,147	\$2,358,887	\$234,077	\$36,483	\$2,955,604	\$0	\$14,333	(\$155)	\$1,250	\$0	\$15,363	\$55	\$11,634	\$4,931	\$0	(\$358,731)	\$11,895	\$967	\$0	(\$288,178)	\$2,667,428
Jun-20 Actual	\$2,674,784	\$2,696,154	\$271,520	\$70,539	\$5,713,007	\$0	\$24,400	\$0	\$1,250	\$2,167	\$7,063	\$55	\$11,634	\$14,931	\$0	\$0	\$11,895	\$5,863	\$0	\$79,279	\$5,792,285
Jul-20 Estimate	\$324,794	\$2,854,158	\$297,731	\$44,713	\$3,621,397	\$13,000	\$24,400	\$0	\$1,250	\$2,167	\$7,063	\$55	\$11,634	\$14,931	\$0	(\$375,000)	\$11,895	\$5,863	\$0	(\$286,745)	\$3,334,651
Total Aug-19 to Jul-20	\$5,746,574	\$24,484,627	\$2,830,382	\$413,608	\$33,475,170	\$26,094	\$284,181	(\$1,688)	\$15,000	\$7,055	\$64,622	\$6,215	\$87,506	\$94,549	\$0	(\$1,456,913)	\$142,742	\$70,360	\$218,008	(\$452,269)	\$33,022,901

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(1) Breakdown of costs included in the Administrative Service Charge are presented in Schedule LSG-3.

(2) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Transmission Costs Only and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 10.16% through December 2019 and 10.14% beginning January 2020.

(3) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Excluding Transmission Costs and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 10.16% through December 2019 and 10.14% beginning January 2020.

Vendor(s)	(a) Third Party Transmission Providers (Eversource Network Integration Transmission Services)	(b) Regional Transmission and Operating Entities	(c) Third Party Transmission Providers (Eversource Wholesale Distribution)	(d) Capital associated with Other Flow-Through Expenses-Transmission Costs only (2)	(e) Sub-Post-Transmission Costs included in the EDC (sum a thru d)	(f) Transmission-based Assessments and Fees	(g) Load Estimation and Reporting System Costs	(h) Unrecouped Purchased Power	(i) Data and Information Services	(j) Local Charges	(k) Contingency Outside Charges (UES) & OCA Consultant Expense	(l) Administrative Service Charges (1)	(m) EDC Portion of the annual PUC Assessment	(n) Metering Credits	(o) Net Metering costs	(p) RGS/Relief Proceeds	(q) Other Regulatory Expenses	(r) Working Capital associated with Other Flow-Through Expenses - excluding Transmission costs (3)	(s) Deferred Distribution Revenue	(t) Sub-Total Non-Transmission Costs included in the EDC (sum f thru s)	(u) Total EDC Costs (e plus t)
Aug-20 Estimate	\$324,794	\$2,880,891	\$290,288	\$43,704	\$3,539,678	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$55	\$7,610	\$14,931	\$0	\$0	\$0	\$5,863	\$243,087	\$3,064,447	\$3,846,125
Sep-20 Estimate	\$324,794	\$2,515,069	\$253,123	\$39,667	\$3,131,653	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$55	\$7,610	\$14,931	\$0	\$0	\$0	\$5,863	\$0	\$63,359	\$3,195,012
Oct-20 Estimate	\$324,794	\$1,932,420	\$208,412	\$30,824	\$2,496,449	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$55	\$7,610	\$14,931	\$0	(\$375,000)	\$0	\$5,863	\$0	\$63,359	\$2,184,809
Nov-20 Estimate	\$324,794	\$2,071,377	\$208,522	\$32,562	\$2,637,256	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$55	\$7,610	\$14,931	\$0	\$0	\$0	\$5,863	\$0	\$63,359	\$2,700,615
Dec-20 Estimate	\$324,794	\$2,519,453	\$233,149	\$35,971	\$2,913,368	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$55	\$7,610	\$14,931	\$0	\$0	\$0	\$5,863	\$0	\$68,359	\$2,981,727
Jan-21 Estimate	\$324,794	\$2,328,132	\$234,132	\$36,092	\$2,923,151	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$5,102	\$7,610	\$14,931	\$0	(\$375,000)	\$0	\$5,863	\$0	\$68,406	\$2,611,455
Feb-21 Estimate	\$324,794	\$2,212,837	\$222,418	\$34,504	\$2,794,554	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$0	\$7,610	\$14,931	\$0	\$0	\$0	\$5,863	\$0	\$66,406	\$2,862,961
Mar-21 Estimate	\$324,794	\$2,072,809	\$208,412	\$32,579	\$2,638,593	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$0	\$7,610	\$14,931	\$0	(\$375,000)	\$0	\$5,863	\$0	\$66,304	\$2,704,898
Apr-21 Estimate	\$324,794	\$1,861,908	\$208,412	\$29,942	\$2,425,056	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$0	\$7,610	\$14,931	\$0	\$0	\$0	\$5,863	\$0	\$63,304	\$2,113,360
May-21 Estimate	\$324,794	\$2,195,996	\$220,707	\$34,272	\$2,775,770	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$0	\$7,610	\$14,931	\$0	\$0	\$0	\$5,863	\$0	\$63,304	\$2,839,075
Jun-21 Estimate	\$324,794	\$2,696,166	\$271,520	\$41,161	\$3,333,641	\$0	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$0	\$7,610	\$14,931	\$0	(\$375,000)	\$0	\$5,863	\$0	\$63,304	\$3,396,945
Jul-21 Estimate	\$324,794	\$2,854,422	\$297,731	\$44,717	\$3,621,664	\$13,000	\$24,400	\$0	Connecticut Municipal Electric Cooperative	\$2,167	\$7,083	\$0	\$7,610	\$14,931	\$0	(\$375,000)	\$0	\$5,863	\$0	\$63,304	\$3,322,969
Total Aug-20 to Jul-21	\$3,897,533	\$28,041,480	\$2,856,624	\$434,966	\$35,230,833	\$13,000	\$292,800	\$0	\$15,000	\$29,000	\$90,000	\$5,377	\$91,322	\$179,170	\$0	(\$1,500,000)	\$0	\$70,360	\$243,087	\$470,883	\$34,759,950

(1) Breakdown of costs included in the Administrative Service Charges are presented in Schedule LSG-2
 (2) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Excluding Transmission Costs and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital is 10.14%.
 (3) Calculated by multiplying the product of monthly Other Flow-Through Operating Expenses-Excluding Transmission Costs and 45 days lag, divided by 365 days (i.e., the working capital requirement) by UES's tax adjusted cost of capital. Tax adjusted cost of capital is 10.146%.
 Estimated working capital - excluding transmission costs is based on the average of actual working capital - excluding transmission costs expense for August 2019 through May 2020.

**Unitil Power Corp.
Breakdown of Costs As Billed to Unitil Energy Systems, Inc.
Contract Release Payment and Administrative Service Charge**

Note: Represents estimated costs as Unitil Power Corp. bills Unitil Energy Systems, Inc. in advance based on estimates and includes a true-up for actual data on a two-month lag basis. Unitil Power Corp. actual costs are provided on Schedule LSG-4.

	Aug-18 Actual	Sep-18 Actual	Oct-18 Actual	Nov-18 Actual	Dec-18 Actual	Jan-19 Actual	Feb-19 Actual	Mar-19 Actual	Apr-19 Actual	May-19 Actual	Jun-19 Actual	Jul-19 Actual	Total Aug18-Jul19
1. Contract Release Payments (CRP) included in the SCC	(\$48,231)	(\$61,187)	(\$68,359)	(\$56,911)	(\$56,163)	(\$224)	(\$45,784)	(\$44,476)	(\$49,781)	(\$52,736)	(\$23,365)	(\$32,201)	(\$539,418)
2. Portfolio Sales Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Residual Contract Obligations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4. Hydro-Quebec Support Payments	(\$75,208)	(\$75,208)	(\$75,208)	(\$75,208)	(\$75,208)	(\$67,291)	(\$67,291)	(\$67,291)	(\$67,291)	(\$67,291)	(\$48,791)	(\$48,791)	(\$810,075)
5. Subtotal (L. 2 through 4)	(\$75,208)	(\$75,208)	(\$75,208)	(\$75,208)	(\$75,208)	(\$67,291)	(\$67,291)	(\$67,291)	(\$67,291)	(\$67,291)	(\$48,791)	(\$48,791)	(\$810,075)
6. True-up for estimate (1)	\$26,977	\$14,021	\$6,849	\$18,297	\$19,044	\$67,067	\$21,507	\$22,815	\$17,510	\$14,555	\$25,426	\$16,590	\$270,657
7. Obligations prior to May 1, 2003	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Total Contract Release Payments as billed by Unitil Power Corp.	(\$48,231)	(\$61,187)	(\$68,359)	(\$56,911)	(\$56,163)	(\$224)	(\$45,784)	(\$44,476)	(\$49,781)	(\$52,736)	(\$23,365)	(\$32,201)	(\$539,418)
9. Administrative Service Charges (ASC) included in EDC	(\$34)	(\$26)	(\$65)	(\$22)	\$57	\$336	\$555	\$42	\$4,937	\$108	\$216	\$92	\$6,176
10. NEPOOL, ISO-NE, RTO charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11. Legal costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12. Consultant and other Outside Service charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13. CMARS Database System charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14. Regulatory assessments and fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15. Miscellaneous Corporation fees	(\$283)	(\$283)	(\$283)	(\$283)	(\$283)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	(\$2,467)
16. Interest expense/(income)	(\$283)	(\$283)	(\$283)	(\$283)	(\$283)	(\$150)	(\$48)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	(\$2,365)
17. Subtotal (L. 10 through 16)	(\$283)	(\$283)	(\$283)	(\$283)	(\$283)	(\$150)	(\$48)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	(\$2,365)
18. True-up for prior month estimate (1)	\$249	\$258	\$199	\$261	\$340	\$486	\$603	\$192	\$5,087	\$258	\$366	\$242	\$8,541
19. Total Administrative Service Charges as billed by Unitil Power Corp.	(\$34)	(\$26)	(\$65)	(\$22)	\$57	\$336	\$555	\$42	\$4,937	\$108	\$216	\$92	\$6,176
20. Total CRP and ASC as billed by Unitil Power Corp. (L. 8 + L. 19)	(\$48,265)	(\$61,213)	(\$68,443)	(\$56,933)	(\$56,107)	\$111	(\$45,229)	(\$44,434)	(\$44,843)	(\$52,628)	(\$23,149)	(\$32,109)	(\$533,241)

(1) Lines 2-4 of the CRP and Lines 10-16 of the ASC represent estimated data. A true-up for actual data is done on a two month lag basis.

**Unitil Power Corp.
Breakdown of Costs As Billed to Unitil Energy Systems, Inc.
Contract Release Payment and Administrative Service Charge**

Note: Represents estimated costs as Unitil Power Corp. bills Unitil Energy Systems, Inc. in advance based on estimates and includes a true-up for actual data on a two-month lag basis. Unitil Power Corp. actual costs are provided on Schedule LSG-4.

	Aug-19 Actual	Sep-19 Actual	Oct-19 Actual	Nov-19 Actual	Dec-19 Actual	Jan-20 Actual	Feb-20 Actual	Mar-20 Actual	Apr-20 Actual	May-20 Actual	Jun-20 Estimate	Jul-20 Estimate	Total Aug19-Jul20
1. Contract Release Payments (CRP) included in the SCC	(\$65,276)	(\$73,756)	(\$36,490)	(\$51,270)	(\$11,510)	(\$32,858)	(\$18,624)	(\$42,869)	(\$37,508)	(\$45,861)	(\$40,292)	(\$29,518)	(\$485,633)
2. Portfolio Sales Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Residual Contract Obligations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4. Hydro-Quebec Support Payments	(\$48,791)	(\$48,791)	(\$48,791)	(\$48,791)	(\$48,791)	(\$36,807)	(\$36,807)	(\$36,807)	(\$36,807)	(\$36,807)	(\$40,292)	(\$29,518)	(\$497,801)
5. Subtotal (L. 2 through 4)	(\$48,791)	(\$48,791)	(\$48,791)	(\$48,791)	(\$48,791)	(\$36,807)	(\$36,807)	(\$36,807)	(\$36,807)	(\$36,807)	(\$40,292)	(\$29,518)	(\$497,801)
6. True-up for estimate (1)	(\$16,485)	(\$24,965)	\$12,301	(\$2,479)	\$37,281	\$3,949	\$18,183	(\$5,862)	(\$700)	(\$9,054)	\$0	\$0	\$12,168
7. Obligations prior to May 1, 2003	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Total Contract Release Payments as billed by Unitil Power Corp.	(\$65,276)	(\$73,756)	(\$36,490)	(\$51,270)	(\$11,510)	(\$32,858)	(\$18,624)	(\$42,869)	(\$37,508)	(\$45,861)	(\$40,292)	(\$29,518)	(\$485,633)
9. Administrative Service Charges (ASC) included in EDC	\$73	(\$122)	(\$39)	\$167	\$59	\$259	\$5,342	(\$18)	\$50	\$333	\$55	\$55	\$6,215
10. NEPOOL ISO-NE, RTO charges	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
11. Legal costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12. Consultant and other Outside Service charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13. CMARS Database System charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14. Regulatory assessments and fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15. Miscellaneous Corporation fees	\$0	\$0	\$0	\$0	\$0	\$0	\$102	\$0	\$0	\$0	\$0	\$0	\$102
16. Interest expense/(income)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	\$0	\$0	\$0	\$0	\$0	\$55	\$55	(\$640)
17. Subtotal (L. 10 through 16)	(\$150)	(\$150)	(\$150)	(\$150)	(\$150)	\$0	\$5,102	\$0	\$0	\$0	\$55	\$55	\$4,462
18. True-up for prior month estimate (1)	\$223	\$28	\$111	\$317	\$209	\$259	\$240	(\$18)	\$50	\$333	\$0	\$0	\$1,753
19. Total Administrative Service Charges as billed by Unitil Power Corp.	\$73	(\$122)	(\$39)	\$167	\$59	\$259	\$5,342	(\$18)	\$50	\$333	\$55	\$55	\$6,215
20. Total CRP and ASC as billed by Unitil Power Corp. (L. 8 + L. 19)	(\$65,203)	(\$73,878)	(\$36,529)	(\$51,103)	(\$11,451)	(\$32,599)	(\$13,282)	(\$42,887)	(\$37,458)	(\$45,528)	(\$40,237)	(\$29,463)	(\$479,418)

(1) Lines 2-4 of the CRP and Lines 10-16 of the ASC represent estimated data. A true-up for actual data is done on a two month lag basis.

**Unitil Power Corp.
Breakdown of Costs As Billed to Unitil Energy Systems, Inc.
Contract Release Payment and Administrative Service Charge**

Note: Represents estimated costs as Unitil Power Corp. bills Unitil Energy Systems, Inc. in advance based on estimates and includes a true-up for actual data on a two-month lag basis. Unitil Power Corp. actual costs are provided on Schedule LSG-4.

	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Total
	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Estimate	Aug20-Jul21
1. Contract Release Payments (CRP) included in the SCC	(\$29,518)	(\$29,518)	(\$29,518)	(\$29,504)	(\$29,504)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$147,563)
2. Portfolio Sales Charge	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3. Residual Contract Obligations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4. Hydro-Quebec Support Payments	(\$29,518)	(\$29,518)	(\$29,518)	(\$29,504)	(\$29,504)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$147,563)
5. Subtotal (L. 2 through 4)	(\$29,518)	(\$29,518)	(\$29,518)	(\$29,504)	(\$29,504)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$147,563)
6. True-up for estimate (1)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7. Obligations prior to May 1, 2003	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8. Total Contract Release Payments as billed by Unitil Power Corp.	(\$29,518)	(\$29,518)	(\$29,518)	(\$29,504)	(\$29,504)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$147,563)
9. Administrative Service Charges (ASC) included in EDC	\$55	\$55	\$55	\$55	\$55	\$0	\$5,102	\$0	\$0	\$0	\$0	\$0	\$5,377
10. NEPOOL, ISO-NE, RTO charges	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$5,000
11. Legal costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12. Consultant and other Outside Service charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13. CMARS Database System charges	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
14. Regulatory assessments and fees	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15. Miscellaneous Corporation fees	\$55	\$55	\$55	\$55	\$55	\$0	\$102	\$0	\$0	\$0	\$0	\$0	\$102
16. Interest expense/(income)	\$55	\$55	\$55	\$55	\$55	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$275
17. Subtotal (L. 10 through 16)	\$55	\$55	\$55	\$55	\$55	\$0	\$5,102	\$0	\$0	\$0	\$0	\$0	\$5,377
18. True-up for prior month estimate (1)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
19. Total Administrative Service Charges as billed by Unitil Power Corp.	\$55	\$55	\$55	\$55	\$55	\$0	\$5,102	\$0	\$0	\$0	\$0	\$0	\$5,377
20. Total CRP and ASC as billed by Unitil Power Corp. (L. 8 + L. 19)	(\$29,463)	(\$29,463)	(\$29,463)	(\$29,449)	(\$29,449)	\$0	\$5,102	\$0	\$0	\$0	\$0	\$0	(\$142,186)

(1) Lines 2-4 of the CRP and Lines 10-16 of the ASC represent estimated data. A true-up for actual data is done on a two month lag basis.

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	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Total Aug19-Jul19
1 TOTAL COSTS	\$ (68,443)	\$ (56,933)	\$ (56,107)	\$ (7,939)	\$ (53,381)	\$ (44,434)	\$ (44,741)	\$ (52,628)	\$ (41,649)	\$ (50,609)	\$ (65,203)	\$ (73,878)	\$ (615,945)
2 TOTAL REVENUE	\$ (48,265)	\$ (61,213)	\$ (68,443)	\$ (56,933)	\$ (56,107)	\$ 111	\$ (45,229)	\$ (44,434)	\$ (44,843)	\$ (52,628)	\$ (23,149)	\$ (32,109)	\$ (533,241)
3 (OVER) UNDER COLLECTION	\$ (20,179)	\$ 4,280	\$ 12,337	\$ 48,994	\$ 2,726	\$ (44,545)	\$ 488	\$ (8,194)	\$ 3,194	\$ 2,018	\$ (42,054)	\$ (41,769)	\$ (82,703)
4 CUMULATIVE (OVER) UNDER COLLECTION													\$ (41,199)

POST MAY 1 COSTS

CONTRACT RELEASE PAYMENTS

- 5 Portfolio Sales Charge
- 6 Residual Contract Obligations
- 7 Hydro Quebec Support Payments
- 8 Total (see Page 2)

ADMINISTRATIVE SERVICE CHARGES

- 9 Nepool, ISO-NE, RTO Charges
- 10 Legal Costs
- 11 Consultant and other Outside Service Charge
- 12 CMARS Database System
- 13 Regulatory Assessments and Fees
- 14 Misc Corporation fees
- 15 Total

16 Interest Expense

17 Pre May 1 Costs

18 Grand Total

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ (68,359)	\$ (56,911)	\$ (56,163)	\$ (8,141)	\$ (53,701)	\$ (44,476)	\$ (44,476)	\$ (49,781)	\$ (52,736)	\$ (41,865)	\$ (50,701)	\$ (65,276)	\$ (73,756)	\$ (621,865)
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ (85)	\$ (22)	\$ 57	\$ 202	\$ 320	\$ 42	\$ 39	\$ 108	\$ 114	\$ 92	\$ 73	\$ (122)	\$ (122)	\$ 818
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ (68,443)	\$ (56,933)	\$ (56,107)	\$ (7,939)	\$ (53,381)	\$ (44,434)	\$ (44,741)	\$ (52,628)	\$ (41,649)	\$ (50,609)	\$ (65,203)	\$ (73,878)	\$ (615,945)	

* (Over)/undercollections began in May 2003. For the period May 2003-July 2018, the cumulative (over)/undercollection was \$41,504.

	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Total Aug19-May20
1 TOTAL COSTS	\$ (36,529)	\$ (51,103)	\$ (11,451)	\$ (44,733)	\$ (30,518)	\$ (42,687)	\$ (32,356)	\$ (45,528)	\$ (36,354)	\$ (35,743)	\$ (367,001)
2 TOTAL REVENUE	\$ (65,203)	\$ (73,878)	\$ (36,529)	\$ (51,103)	\$ (11,451)	\$ (32,599)	\$ (13,282)	\$ (42,687)	\$ (37,458)	\$ (45,528)	\$ (409,718)
3 (OVER) UNDER COLLECTION	\$ 28,674	\$ 22,775	\$ 25,078	\$ 6,370	\$ (19,067)	\$ (10,068)	\$ (19,073)	\$ (2,841)	\$ 1,104	\$ 9,785	\$ 42,717
4 CUMULATIVE (OVER) UNDER COLLECTION											\$ 1,517

POST MAY 1 COSTS

CONTRACT RELEASE PAYMENTS

- 5 Portfolio Sales Charge
- 6 Residual Contract Obligations
- 7 Hydro Quebec Support Payments
- 8 Total (see Page 2)

ADMINISTRATIVE SERVICE CHARGES

- 9 Nepool, ISO-NE, RTO Charges
- 10 Legal Costs
- 11 Consultant and other Outside Service Charge
- 12 CMARS Database System
- 13 Regulatory Assessments and Fees
- 14 Misc Corporation fees
- 15 Total

16 Interest Expense

17 Pre May 1 Costs

18 Grand Total

\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ (36,490)	\$ (51,270)	\$ (11,510)	\$ (44,842)	\$ (30,608)	\$ (42,669)	\$ (37,508)	\$ (45,861)	\$ (36,166)	\$ (35,737)	\$ (372,662)			
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
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\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ (39)	\$ 167	\$ 59	\$ 109	\$ 90	\$ (18)	\$ 152	\$ 231	\$ (187)	\$ (7)	\$ 568			
\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
\$ (36,529)	\$ (51,103)	\$ (11,451)	\$ (44,733)	\$ (30,518)	\$ (42,687)	\$ (32,356)	\$ (45,528)	\$ (36,354)	\$ (35,743)	\$ (367,001)			

Unitil Power Corp.
Post May 1 Costs Detail

	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-18-Jul19	Total
Portfolio Sales Charges:														
1 Mirant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Total (see Page 1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residual Contract Obligations:														
3 Baysale	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 Index	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5 Bridgeport Harbor, 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total (see Page 1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hydro Quebec Support Payments:														
7 Hydro Quebec Support Payments	\$ 30,937	\$ 38,926	\$ 40,417	\$ 87,101	\$ 39,951	\$ 39,095	\$ 33,201	\$ 30,582	\$ 36,033	\$ 42,764	\$ 32,645	\$ 36,345	\$ 487,999	\$
8 Hydro Quebec Transmission Sales	\$ (27,046)	\$ (22,276)	\$ (22,715)	\$ (23,322)	\$ (23,951)	\$ (15,493)	\$ (14,658)	\$ (14,658)	\$ (14,658)	\$ (22,120)	\$ (29,849)	\$ (60,995)	\$ (290,739)	\$
9 Hydro Quebec Capacity Sales	\$ (70,901)	\$ (70,699)	\$ (70,541)	\$ (70,120)	\$ (69,804)	\$ (68,951)	\$ (67,516)	\$ (67,073)	\$ (66,908)	\$ (69,465)	\$ (69,897)	\$ (49,703)	\$ (811,578)	\$
10 Hydro Quebec - BECO AC (Ibvia NSTAR)	\$ 406	\$ 406	\$ 406	\$ 406	\$ 406	\$ 406	\$ 406	\$ 406	\$ 872	\$ 406	\$ 406	\$ -	\$ 4,466	\$
11 Hydro Quebec - NEP AC	\$ 5,143	\$ 5,143	\$ 5,143	\$ 5,143	\$ 5,143	\$ 5,143	\$ 4,422	\$ 5,114	\$ 5,114	\$ 5,114	\$ 5,114	\$ 5,114	\$ 60,849	\$
12 Hydro Quebec - Chester SVC	\$ 1,879	\$ 1,741	\$ 1,911	\$ 1,843	\$ 1,828	\$ 2,650	\$ 1,978	\$ 1,882	\$ 5,481	\$ (7,401)	\$ 2,551	\$ 1,905	\$ 25,628	\$
13 Hydro Quebec - NEPOOL OATT Payments	\$ (8,778)	\$ (10,152)	\$ (10,284)	\$ (10,192)	\$ (7,274)	\$ (7,307)	\$ (7,614)	\$ (8,594)	\$ (7,738)	\$ (7,401)	\$ (6,245)	\$ (6,421)	\$ (98,469)	\$
14 Total (see Page 1)	\$ (68,359)	\$ (69,911)	\$ (69,163)	\$ (81,141)	\$ (83,701)	\$ (44,476)	\$ (49,781)	\$ (52,736)	\$ (41,865)	\$ (50,701)	\$ (65,276)	\$ (73,756)	\$ (621,865)	\$
15 Total Contract Release Payments	\$ (68,359)	\$ (69,911)	\$ (69,163)	\$ (81,141)	\$ (83,701)	\$ (44,476)	\$ (49,781)	\$ (52,736)	\$ (41,865)	\$ (50,701)	\$ (65,276)	\$ (73,756)	\$ (621,865)	\$

	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Aug19-May20	Total
Portfolio Sales Charges:												
1 Mirant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2 Total (see Page 1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residual Contract Obligations:												
3 Baysale	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
4 Index	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
5 Bridgeport Harbor, 3	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
6 Total (see Page 1)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hydro Quebec Support Payments:												
7 Hydro Quebec Support Payments	\$ 44,024	\$ 30,713	\$ 40,191	\$ 34,842	\$ 48,703	\$ 35,651	\$ 41,999	\$ 33,494	\$ 38,537	\$ 43,164	\$ 391,317	\$
8 Hydro Quebec Transmission Sales	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (30,092)	\$ (270,825)	\$
9 Hydro Quebec Capacity Sales	\$ (49,783)	\$ (49,682)	\$ (49,829)	\$ (50,181)	\$ (50,165)	\$ (49,708)	\$ (49,167)	\$ (49,166)	\$ (49,185)	\$ (50,076)	\$ (496,951)	\$
10 Hydro Quebec - BECO AC (Ibvia NSTAR)	\$ 185	\$ 409	\$ 409	\$ 409	\$ 409	\$ 818	\$ -	\$ 409	\$ 409	\$ 409	\$ 3,866	\$
11 Hydro Quebec - NEP AC	\$ 5,114	\$ 5,114	\$ 5,114	\$ 5,114	\$ 5,130	\$ 5,114	\$ 5,114	\$ 5,114	\$ 5,114	\$ 5,114	\$ 51,896	\$
12 Hydro Quebec - Chester SVC	\$ 1,789	\$ 1,803	\$ 1,763	\$ 1,746	\$ 1,773	\$ 2,401	\$ 2,068	\$ 1,452	\$ 5,704	\$ 1,964	\$ 22,463	\$
13 Hydro Quebec - NEPOOL OATT Payments	\$ (7,717)	\$ (9,534)	\$ (9,158)	\$ (7,423)	\$ (6,366)	\$ (6,852)	\$ (7,430)	\$ (7,072)	\$ (6,653)	\$ (6,221)	\$ (74,427)	\$
14 Total (see Page 1)	\$ (36,490)	\$ (51,270)	\$ (11,510)	\$ (44,842)	\$ (30,608)	\$ (42,669)	\$ (37,508)	\$ (45,861)	\$ (36,166)	\$ (35,737)	\$ (372,662)	\$
15 Total Contract Release Payments	\$ (36,490)	\$ (51,270)	\$ (11,510)	\$ (44,842)	\$ (30,608)	\$ (42,669)	\$ (37,508)	\$ (45,861)	\$ (36,166)	\$ (35,737)	\$ (372,662)	\$

Until Power Corp.
Costs and Revenue Offset for HQ Phase II Support Agreements

August 2018 - July 2019

Hydro Quebec Support Payments and Revenue Offset:

	Aug-18 Actual	Sep-18 Actual	Oct-18 Actual	Nov-18 Actual	Dec-18 Actual	Jan-19 Actual	Feb-19 Actual	Mar-19 Actual	Apr-19 Actual	May-19 Actual	Jun-19 Actual	Jul-19 Actual	Total
1 Hydro Quebec Support Payments - Non-PTF (DC) Facilities	\$30,937	\$38,926	\$40,417	\$87,101	\$39,951	\$39,095	\$33,201	\$30,562	\$36,033	\$42,764	\$32,645	\$36,345	\$487,999
2 Resale of Transmission Rights and Capacity Credits	(\$97,947)	(\$92,975)	(\$93,256)	(\$92,442)	(\$93,756)	(\$84,444)	(\$81,730)	(\$81,730)	(\$81,566)	(\$91,584)	(\$99,746)	(\$110,698)	(\$1,102,317)
3 Net Cost of HQ Non-PTF (DC) Facilities - Line 1 plus Line 2	(\$67,009)	(\$54,049)	(\$52,839)	(\$5,341)	(\$53,804)	(\$45,349)	(\$48,973)	(\$51,148)	(\$45,533)	(\$48,820)	(\$67,101)	(\$74,352)	(\$614,319)
4 Hydro Quebec Support Payments - PTF (AC) Facilities	\$7,428	\$7,290	\$7,460	\$7,392	\$7,377	\$6,179	\$6,996	\$6,996	\$11,407	\$5,520	\$6,070	\$7,018	\$90,945
5 ISO-NE OATT Payments	(\$8,778)	(\$10,152)	(\$10,784)	(\$10,192)	(\$7,274)	(\$7,307)	(\$8,584)	(\$8,584)	(\$7,738)	(\$7,401)	(\$6,245)	(\$6,421)	(\$98,489)
6 Net Cost of HQ PTF (AC) Facilities - Line 4 plus Line 5	(\$1,350)	(\$2,862)	(\$3,324)	(\$2,800)	\$104	\$873	(\$808)	(\$1,588)	(\$3,668)	(\$1,881)	\$1,825	\$597	(\$7,546)
7 Net Hydro Quebec Support Payments - Line 3 plus Line 6	(\$68,359)	(\$56,911)	(\$56,163)	(\$6,141)	(\$53,701)	(\$44,476)	(\$49,781)	(\$52,736)	(\$41,665)	(\$50,701)	(\$65,276)	(\$73,756)	(\$621,865)

August 2019 - July 2020

Hydro Quebec Support Payments and Revenue Offset:

	Aug-19 Actual	Sep-19 Actual	Oct-19 Actual	Nov-19 Actual	Dec-19 Actual	Jan-20 Actual	Feb-20 Actual	Mar-20 Actual	Apr-20 Actual	May-20 Estimate	Jun-20 Estimate	Jul-20 Estimate	Total
1 Hydro Quebec Support Payments - Non-PTF (DC) Facilities	\$44,024	\$30,713	\$40,191	\$34,842	\$48,703	\$35,651	\$41,999	\$33,494	\$38,537	\$43,164	\$38,698	\$38,698	\$468,713
2 Resale of Transmission Rights and Capacity Credits	(\$79,884)	(\$79,774)	(\$49,828)	(\$80,273)	(\$80,257)	(\$79,800)	(\$79,258)	(\$79,258)	(\$79,277)	(\$80,166)	(\$79,803)	(\$69,029)	(\$916,609)
3 Net Cost of HQ Non-PTF (DC) Facilities - Line 1 plus Line 2	(\$35,861)	(\$49,061)	(\$9,637)	(\$45,431)	(\$31,553)	(\$44,149)	(\$37,260)	(\$45,764)	(\$40,740)	(\$37,002)	(\$41,105)	(\$30,331)	(\$447,896)
4 Hydro Quebec Support Payments - PTF (AC) Facilities	\$7,088	\$7,325	\$7,286	\$8,012	\$7,311	\$6,332	\$7,182	\$6,975	\$11,227	\$7,487	\$7,427	\$7,427	\$93,079
5 ISO-NE OATT Payments	(\$7,717)	(\$9,534)	(\$9,158)	(\$7,423)	(\$6,366)	(\$6,852)	(\$7,430)	(\$7,072)	(\$6,653)	(\$7,356)	(\$7,356)	(\$7,356)	(\$90,275)
6 Net Cost of HQ PTF (AC) Facilities - Line 4 plus Line 5	(\$629)	(\$2,209)	(\$1,872)	\$589	\$945	\$1,480	(\$248)	(\$97)	\$4,574	\$131	\$71	\$71	\$2,804
7 Net Hydro Quebec Support Payments - Line 3 plus Line 6	(\$36,490)	(\$51,270)	(\$11,510)	(\$44,842)	(\$30,608)	(\$42,669)	(\$37,508)	(\$45,861)	(\$36,766)	(\$36,872)	(\$41,034)	(\$30,260)	(\$445,092)

August 2020 - July 2021

Hydro Quebec Support Payments and Revenue Offset:

	Aug-20 Estimate	Sep-20 Estimate	Oct-20 Estimate	Nov-20 Estimate	Dec-20 Estimate	Jan-21 Estimate	Feb-21 Estimate	Mar-21 Estimate	Apr-21 Estimate	May-21 Estimate	Jun-21 Estimate	Jul-21 Estimate	Total
1 Hydro Quebec Support Payments - Non-PTF (DC) Facilities	\$38,698	\$38,698	\$38,698	\$38,698	\$38,698	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$193,490
2 Resale of Transmission Rights and Capacity Credits	(\$69,029)	(\$69,029)	(\$69,029)	(\$69,015)	(\$69,015)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$345,119)
3 Net Cost of HQ Non-PTF (DC) Facilities - Line 1 plus Line 2	(\$30,331)	(\$30,331)	(\$30,331)	(\$30,317)	(\$30,317)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$151,626)
4 Hydro Quebec Support Payments - PTF (AC) Facilities	\$7,427	\$7,427	\$7,427	\$7,427	\$7,427	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,135
5 ISO-NE OATT Payments	(\$7,356)	(\$7,356)	(\$7,356)	(\$7,356)	(\$7,356)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$36,781)
6 Net Cost of HQ PTF (AC) Facilities - Line 4 plus Line 5	\$71	\$71	\$71	\$71	\$71	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$354
7 Net Hydro Quebec Support Payments - Line 3 plus Line 6	(\$30,260)	(\$30,260)	(\$30,260)	(\$30,246)	(\$30,246)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$151,273)

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UNITIL ENERGY SYSTEMS, INC.

DIRECT TESTIMONY OF
DOUGLAS J. DEBSKI

NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION

DE 20-xxx

JUNE 17, 2020

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LIST OF DJD SCHEDULES

<u>Schedule Number</u>	<u>Description</u>	<u>Pages</u>
DJD-1	Displaced Distribution Revenue due to Net Metering – 2019	75
DJD-2	PVWatts model of generation data	1

1 **I. INTRODUCTION**

2

3 **Q. Please state your name, your position, and business address.**

4 A. My name is Douglas J. Debski. I am a Senior Regulatory Analyst for Unitil
5 Service Corp., an affiliate of Unitil Energy Systems, Inc. ("UES" or the
6 "Company"). My business address is 6 Liberty Lane West, Hampton, New
7 Hampshire, 03842-1720. Both Companies are subsidiaries of Unitil Corporation.

8

9 **Q. Please describe your educational background.**

10 In 1987, I graduated cum laude from the University of New Hampshire with a
11 Bachelor of Science Degree in Mathematics. I have attended the Georgia Institute
12 of Technology "Sampling Methods and Statistical Analysis in Power Systems
13 Load Research" course and the "Advanced Sample Design and Analysis
14 Techniques of Load Research" course sponsored by the Association of Edison
15 Illuminating Companies Load Research Committee.

16

17 **Q. Please describe your professional background.**

18 A. I joined Unitil Service Corp. in May 1988. I have held numerous positions with
19 the Company in the Rates and Regulatory Service Departments in progressing
20 responsibilities up to my current position. I have prepared regulatory filings,
21 tariffs, price analysis and design, load research studies and analyses, bill
22 frequency analyses and load forecasting for or on behalf of Unitil and its retail

1 affiliates, Unitil Energy Systems, Inc. and Northern Utilities, Inc. These projects,
2 after review, have been filed at the Department of Public Utilities ("Department"),
3 the New Hampshire Public Utilities Commission, and the Maine Public Utilities
4 Commission, as applicable.

5

6 **Q. Have you previously testified before the Commission or any other regulatory**
7 **body?**

8 A. Yes, I have previously presented Testimony before the New Hampshire Public
9 Utilities Commission ("Commission"). I have also prepared and presented
10 testimony before both the Maine Public Utilities Commission and the
11 Massachusetts Department of Public Utilities.

12

13 **II. SCOPE OF TESTIMONY**

14

15 **Q. What is your responsibility in connection with this proceeding?**

16 A. I am presenting the Company's calculation of displaced distribution revenue
17 associated with net metering for 2019 for Commission review so that it may be
18 included in the External Delivery Charge ("EDC") for cost recovery in this
19 reconciliation filing.

20

21 **Q. Please outline the organization of your Testimony and Schedules.**

1 A. In addition to Exhibit DJD-1, the written testimony here, I am presenting two
2 schedules. Schedule DJD-1 is the calculation of displaced distribution revenue
3 associated with net metering for the year 2018. Schedule DJD-2 is the PVWatts
4 generation model output showing the amount of annual kWh generated by a
5 typical 1,000 kW-AC unit.

6

7 **III. DISPLACED DISTRIBUTION REVENUE**

8

9 **Q. On what basis is UES seeking recovery of displaced distribution revenue**
10 **associated with net metering for the year 2019?**

11 A. In NHPUC Docket DE 15-147, the Commission, in Order No. 25,991, approved a
12 settlement agreement among the Company, the Office of Consumer Advocate
13 (“OCA”) and the Commission Staff (“Staff”) which provided an agreed upon
14 methodology for the calculation of displaced distribution revenue due to net
15 metering, and the recovery of such properly calculated amounts through the
16 Company’s EDC. The Order also authorized UES to file for recovery of the
17 displaced distribution revenue for the years 2013-16, and for recovery of these
18 amounts through the EDC commencing with rates effective on and after August 1,
19 2017. UES filed those amounts in docket DE 17-102, which were approved as
20 filed. UES also filed the amount of \$187,746 for 2017 in docket DE 18-096 and
21 \$218,008 for 2018 in docket DE 19-111, both of which were approved as filed.
22 Consistent with the settlement agreement and UES’ approved tariff, Schedule

1 EDC, UES is including displaced distribution revenue for 2019 in its EDC for
2 recovery.

3

4 **Q. Can you describe how you estimated the monthly and annual generation for**
5 **the net metering customers?**

6 A. The calculation of the kWh displaced per kW of AC generation installed is based
7 on the PVWatts generation model and is used at the location of the Concord
8 Airport, TMY2 (see Schedule DJD-2). PVWatts is a commonly used model
9 designed by the National Renewable Energy Laboratory for the purpose of
10 estimating generation. In order to calculate the amount of annual kWh generated
11 per kW of AC installed, the model inputs utilized a 1,250 kW-DC and a DC to
12 AC size ratio of 1.25 to achieve the desired 1,000 kW-AC. The model estimated
13 annual generation kWh per kW-AC of 1,611.023 at Schedule DJD-2. This
14 amount is then applied on a calendar month basis in the amounts shown.

15

16 **Q. Please describe how you estimated the displaced distribution revenue**
17 **associated with net metering?**

18 A. Schedule DJD-1 shows the 2019 data. Distribution rates are used in each month
19 in which they were in effect. The company has assumed that the monthly billing
20 kW or kVA for these customers is not affected by installed generation due to the
21 intermittent nature of solar and wind generation, whether or not that is actually the

1 case. This produces a conservative estimate of displaced distribution revenue for
2 these customers.

3

4 The estimated kWh generation for each customer is calculated each month based
5 on the size of the customer generator in kW-AC multiplied times the monthly to
6 annual ratio of the PVWatts data described above. This amount is then compared
7 to the kWh billed each month for the customer. For customers who installed
8 generation during one of the months of the year being calculated, the estimated
9 displaced distribution revenue is only calculated for the month, or portions
10 thereof, that the generation was installed. Detailed calculations are shown in the
11 schedule. The Company only estimates the costs of displaced distribution
12 revenue for kWh that is actually displaced. Therefore, in months the customers
13 generates more than they consumed, they have a net surplus of kWh generation,
14 and the difference between the kWh generation and the kWh consumed is not
15 included in the calculation of displaced distribution revenue. The calculation
16 yields displaced distribution revenue in the amount of \$243,087 for 2019.

17

18 **Q. How has test year displaced revenue associated with the Company's last base**
19 **rate case been excluded from these calculations?**

20 A. The Company has had one test year which affects the calculations here. That case
21 test year was 2015 (DE 16-384). Customers with on-site generation installed
22 prior to 2015 are not included in Schedule DJD-1. For those customers installed

1 during 2015, the portion of annual displaced kWh following the date of the
2 installation served to lower the test year billing units. Therefore, in Schedule
3 DJD-1, only the portion of the year up until the date of the installation is used in
4 the calculation of estimated generation and displaced kWh and distribution
5 revenue. The remainder of the year is not included because the test year already
6 took those reductions to sales into account in the test year billing units. In
7 summary, the Company included the displaced kWh for all new customer
8 installations since the test year, and for customers with installation during the test
9 year, the Company included the displaced kWh for only a portion of the year.

10

11 **Q. Is your calculation of the displaced distribution revenue for 2019 in**
12 **accordance with the methodology approved by the settlement agreement in**
13 **Docket DE 15-147?**

14 A. Yes.

15

16 **IV. BILL IMPACTS**

17

18 **Q. Have you prepared an estimate of the bill impacts associated with this**
19 **proposal?**

20 A. Yes. A simple estimate of the proposed costs of \$243,087 for 2019 divided by
21 estimated kWh sales for August 2020 – July 2021 of 1,092,109 MWh yields an

1 incremental rate of \$0.00022 per kWh, or about a \$0.13 increase, or 0.13 percent,
2 on a current monthly 600 kWh residential bill of \$99.45.

3

4 **Q. Does this conclude your testimony?**

5 **A.** Yes it does.

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Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size		Rate	Class	2019			May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
					(kW-AC)	(AC)			Annual kWh Generated	Displaced Distribution Revenue	Displaced Distribution Revenue		
1.	749	1061586	1/2/2015 Solar		7.65 D				12,324	\$1.75	\$0.03537	\$0.03558	
2.	759	2074776	1/6/2015 Solar		10.95 D				17,641	\$7.52	\$0.03537	\$0.03558	
3.	648	2064476	1/9/2015 Solar		6.00 D				9,666	\$6.18	\$0.03537	\$0.03558	
4.	743	1066026	1/12/2015 Solar		6.80 D				10,955	\$9.35	\$0.03537	\$0.03558	
5.	647	2107926	1/14/2015 Solar		5.00 D				8,055	\$8.02	\$0.03537	\$0.03558	
6.	751	2064900	1/14/2015 Solar		10.95 D				17,641	\$17.56	\$0.03537	\$0.03558	
7.	690	1066004	1/19/2015 Solar		3.00 D				4,833	\$6.53	\$0.03537	\$0.03558	
8.	668	2060690	1/22/2015 Solar		7.50 D				12,083	\$9.17	\$0.03537	\$0.03558	
9.	550	1026176	1/23/2015 Solar		34.00 G2				54,775	\$0.00	\$0.00000	\$0.00000	
10.	722	2074786	1/23/2015 Solar		5.00 D				8,055	\$13.17	\$0.03537	\$0.03558	
11.	620	2095476	2/6/2015 Solar		11.40 D				18,366	\$50.74	\$0.03537	\$0.03558	
12.	782	2052798	2/11/2015 Solar		6.00 D				9,666	\$31.20	\$0.03537	\$0.03558	
13.	680	2066134	2/13/2015 Solar		6.00 D				9,666	\$33.00	\$0.03537	\$0.03558	
14.	684	1034192	2/18/2015 Solar		5.00 D				8,055	\$31.25	\$0.03537	\$0.03558	
15.	739	1037048	2/18/2015 Solar		7.43 D				11,962	\$46.41	\$0.03537	\$0.03558	
16.	809	2075454	3/11/2015 Solar		14.00 G2				22,554	\$0.00	\$0.00000	\$0.00000	
17.	702	1007892	4/6/2015 Solar		6.00 D				9,666	\$86.19	\$0.03537	\$0.03558	
18.	775	2029030	4/8/2015 Solar		6.00 D				9,666	\$81.77	\$0.03537	\$0.03558	
19.	876/916	2087832	4/8/2015 Solar		12.90 D				20,782	\$174.46	\$0.03537	\$0.03558	
20.	822	2014508	4/10/2015 Solar		5.45 D				8,780	\$82.21	\$0.03537	\$0.03558	
21.	790	1046692	4/13/2015 Solar		16.70 D				26,904	\$105.03	\$0.03537	\$0.03558	
22.	837	1073996	4/13/2015 Solar		7.60 D				12,244	\$118.74	\$0.03537	\$0.03558	
23.	610	1074012	4/17/2015 Solar		8.25 D				13,291	\$109.74	\$0.03537	\$0.03558	
24.	899	1032938	4/27/2015 Solar		8.10 D				13,049	\$113.85	\$0.03537	\$0.03558	
25.	897	1069344	4/28/2015 Solar		10.13 D				16,320	\$175.52	\$0.03537	\$0.03558	
26.	740	1027434	4/29/2015 Solar		4.15 D				6,686	\$69.83	\$0.03537	\$0.03558	
27.	904	2001120	4/30/2015 Solar		7.50 D				12,083	\$128.34	\$0.03537	\$0.03558	
28.	914	1046580	5/1/2015 Solar		4.10 D				6,605	\$75.68	\$0.03537	\$0.03558	
29.	875	1048334	5/4/2015 Solar		6.20 D				9,988	\$117.86	\$0.03537	\$0.03558	
30.	898	2090802	5/5/2015 Solar		11.48 D				18,495	\$188.20	\$0.03537	\$0.03558	
31.	893	1060598	5/6/2015 Solar		10.80 D				17,399	\$209.27	\$0.03537	\$0.03558	
32.	673	2056896	5/13/2015 Solar		3.00 D				4,833	\$36.41	\$0.03537	\$0.03558	
33.	860	1029870	5/21/2015 Solar		7.20 D				11,599	\$162.74	\$0.03537	\$0.03558	
34.	933	1001010	5/21/2015 Solar		9.00 D				14,499	\$177.02	\$0.03537	\$0.03558	
35.	950	1069994	5/28/2015 Solar		10.80 D				17,399	\$258.24	\$0.03537	\$0.03558	
36.	810	2111188	5/29/2015 Solar		66.00 D				106,328	\$647.38	\$0.03537	\$0.03558	
37.	882	2075862	5/29/2015 Solar		5.00 D				8,055	\$111.81	\$0.03537	\$0.03558	
38.	923	2002388	6/3/2015 Solar		4.00 D				6,444	\$94.12	\$0.03537	\$0.03558	
39.	931	2065020	6/3/2015 Solar		5.85 D				9,424	\$125.04	\$0.03537	\$0.03558	
40.	674	2071728	6/5/2015 Solar		6.00 D				9,666	\$138.42	\$0.03537	\$0.03558	
41.	788	2048998	6/5/2015 Solar		8.35 D				13,452	\$183.72	\$0.03537	\$0.03558	
42.	947	1073322	6/11/2015 Solar		8.10 G2				13,049	\$0.00	\$0.00000	\$0.00000	
43.	930	1027276	6/17/2015 Solar		6.30 D				10,149	\$159.19	\$0.03537	\$0.03558	
44.	982	2033376	6/19/2015 Solar		10.75 D				17,318	\$218.71	\$0.03537	\$0.03558	
45.	945	1051262	6/22/2015 Solar		5.40 D				8,700	\$110.66	\$0.03537	\$0.03558	
46.	962	1022612	6/23/2015 Solar		3.15 D				5,075	\$83.67	\$0.03537	\$0.03558	
47.	983/3661	1063228	6/23/2015 Solar		11.84 D				19,075	\$216.85	\$0.03537	\$0.03558	
48.	925	1061552	6/30/2015 Solar		8.10 D				13,049	\$239.71	\$0.03537	\$0.03558	
49.	824	1072822	7/2/2015 Solar		10.95 D				17,641	\$291.21	\$0.03537	\$0.03558	
50.	912	2107758	7/2/2015 Solar		5.00 D				8,055	\$152.87	\$0.03537	\$0.03558	
51.	1018	1000366	7/9/2015 Solar		10.32 D				16,626	\$286.10	\$0.03537	\$0.03558	
52.	966	2062090	7/9/2015 Solar		10.00 D				16,110	\$305.60	\$0.03537	\$0.03558	
53.	957	2111022	7/21/2015 Solar		3.30 D				5,316	\$92.26	\$0.03537	\$0.03558	
54.	1052	101862	7/21/2015 Solar		4.73 D				7,620	\$158.58	\$0.03537	\$0.03558	
55.	832	1046918	7/22/2015 Solar		6.25 D				10,069	\$181.36	\$0.03537	\$0.03558	
56.	880	1064240	7/23/2015 Solar		8.35 D				13,452	\$239.14	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019			May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Distribution Revenue	Revenue		
57.	911	1066682	7/23/2015 Solar		16.00 G2		25,776	\$0.00	\$0.00000	\$0.00000	
58.	1011	1042410	7/23/2015 Solar		9.46 D		15,240	\$253.99	\$0.03537	\$0.03558	
59.	902	1018420	7/24/2015 Solar		5.00 D		8,055	\$159.93	\$0.03537	\$0.03558	
60.	1009	2091366	8/10/2015 Solar		7.74 D		12,469	\$257.11	\$0.03537	\$0.03558	
61.	1019	2090814	8/10/2015 Solar		7.60 D		12,244	\$232.54	\$0.03537	\$0.03558	
62.	1061	1045630	8/10/2015 Solar		4.30 D		6,927	\$142.86	\$0.03537	\$0.03558	
63.	1093	2035776	8/12/2015 Solar		7.60 D		12,244	\$292.53	\$0.03537	\$0.03558	
64.	1118	1019374	8/20/2015 Solar		6.67 D		10,737	\$243.26	\$0.03537	\$0.03558	
65.	1132	2088498	8/20/2015 Solar		9.68 D		15,587	\$343.23	\$0.03537	\$0.03558	
66.	905	2064902	8/21/2015 Solar		45.00 G2		72,496	\$0.00	\$0.00000	\$0.00000	
67.	924	2076752	8/24/2015 Solar		6.00 D		9,666	\$245.80	\$0.03537	\$0.03558	
68.	1154	1041046	8/24/2015 Solar		7.96 D		12,824	\$318.35	\$0.03537	\$0.03558	
69.	1034	1019542	8/27/2015 Solar		6.00 D		9,666	\$221.36	\$0.03537	\$0.03558	
70.	908	1068932	9/2/2015 Solar		11.70 D		18,849	\$471.93	\$0.03537	\$0.03558	
71.	1270	1018150	9/11/2015 Solar		6.00 D		9,666	\$241.95	\$0.03537	\$0.03558	
72.	842	2104412	9/15/2015 Solar		40.00 G2		64,441	\$0.00	\$0.00000	\$0.00000	
73.	1062	2057204	9/15/2015 Solar		6.00 D		9,666	\$239.70	\$0.03537	\$0.03558	
74.	1220	1046206	9/16/2015 Solar		9.89 D		15,933	\$445.80	\$0.03537	\$0.03558	
75.	1099	1069114	9/18/2015 Solar		5.16 D		8,313	\$222.56	\$0.03537	\$0.03558	
76.	913	2090306	9/21/2015 Solar		9.00 D		14,499	\$399.59	\$0.03537	\$0.03558	
77.	1155	2070574	9/24/2015 Solar		6.02 D		9,698	\$278.09	\$0.03537	\$0.03558	
78.	1051	2096636	9/25/2015 Solar		7.60 D		12,244	\$326.61	\$0.03537	\$0.03558	
79.	1102	2076936	9/29/2015 Solar		7.60 D		12,244	\$348.78	\$0.03537	\$0.03558	
80.	1193	1035162	10/1/2015 Solar		4.30 D		6,927	\$184.86	\$0.03537	\$0.03558	
81.	1008	2112190	10/6/2015 Solar		50.00 G2		80,551	\$0.00	\$0.00000	\$0.00000	
82.	1131	2034968	10/6/2015 Solar		10.32 D		16,626	\$320.76	\$0.03537	\$0.03558	
83.	1275	2106526	10/9/2015 Solar		5.81 D		9,360	\$238.76	\$0.03537	\$0.03558	
84.	1181	2106284	10/13/2015 Solar		6.00 D		9,666	\$220.80	\$0.03537	\$0.03558	
85.	1074	2034098	10/15/2015 Solar		5.00 D		8,055	\$229.59	\$0.03537	\$0.03558	
86.	1241	1070728	10/19/2015 Solar		6.48 D		10,439	\$284.22	\$0.03537	\$0.03558	
87.	1309	1035134	10/19/2015 Solar		6.88 D		11,084	\$314.29	\$0.03537	\$0.03558	
88.	1346	1023394	10/19/2015 Solar		5.59 D		9,006	\$212.16	\$0.03537	\$0.03558	
89.	1196	2046036	10/20/2015 Solar		6.00 D		9,666	\$294.73	\$0.03537	\$0.03558	
90.	1208	1014726	10/20/2015 Solar		7.60 D		12,244	\$314.82	\$0.03537	\$0.03558	
91.	1279	1069934	10/20/2015 Solar		5.81 D		9,360	\$262.66	\$0.03537	\$0.03558	
92.	1327	1024512	10/20/2015 Solar		6.23 D		10,037	\$280.77	\$0.03537	\$0.03558	
93.	1201	1046754	10/22/2015 Solar		7.60 D		12,244	\$292.28	\$0.03537	\$0.03558	
94.	1144	2092610	10/26/2015 Solar		7.60 D		12,244	\$358.04	\$0.03537	\$0.03558	
95.	1298	1073052	10/27/2015 Solar		3.44 D		5,542	\$138.15	\$0.03537	\$0.03558	
96.	1077	2046248	10/28/2015 Solar		7.60 D		12,244	\$300.42	\$0.03537	\$0.03558	
97.	766	2062544	10/29/2015 Solar		54.00 G2		86,995	\$0.00	\$0.00000	\$0.00000	
98.	1216	1066904	10/29/2015 Solar		5.16 D		8,313	\$235.13	\$0.03537	\$0.03558	
99.	1284	1032542	10/29/2015 Solar		6.45 D		10,391	\$216.08	\$0.03537	\$0.03558	
100.	1069	2067930	10/30/2015 Solar		5.00 D		8,055	\$214.41	\$0.03537	\$0.03558	
101.	783	2048380	11/2/2015 Solar		51.70 G2		83,290	\$0.00	\$0.00000	\$0.00000	
102.	1249	2027646	11/3/2015 Solar		10.08 D		16,239	\$473.07	\$0.03537	\$0.03558	
103.	1277	2034584	11/3/2015 Solar		7.60 D		12,244	\$305.02	\$0.03537	\$0.03558	
104.	1143	2076808	11/4/2015 Solar		12.00 D		19,332	\$455.97	\$0.03537	\$0.03558	
105.	1217	1007826	11/4/2015 Solar		11.40 D		18,366	\$524.93	\$0.03537	\$0.03558	
106.	1363	1071492	11/4/2015 Solar		7.10 D		11,438	\$299.76	\$0.03537	\$0.03558	
107.	1412	1021144	11/5/2015 Solar		3.44 D		5,542	\$174.77	\$0.03537	\$0.03558	
108.	1100	2099690	11/6/2015 Solar		7.60 D		12,244	\$261.43	\$0.03537	\$0.03558	
109.	1081	2095020	11/9/2015 Solar		7.60 D		12,244	\$346.48	\$0.03537	\$0.03558	
110.	1188	2094176	11/9/2015 Solar		11.40 D		18,366	\$551.46	\$0.03537	\$0.03558	
111.	1190	1067588	11/9/2015 Solar		3.80 D		6,122	\$163.25	\$0.03537	\$0.03558	
112.	1265	2001014	11/9/2015 Solar		7.60 D		12,244	\$384.18	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019			May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Distribution Revenue	Revenue		
113.	1297	2073498	11/9/2015 Solar		10.00 D		16,110	\$485.86	\$0.03537	\$0.03558	
114.	1387	1037114	11/9/2015 Solar		5.81 D		9,360	\$303.41	\$0.03537	\$0.03558	
115.	1454	1036964	11/9/2015 Solar		7.74 D		12,469	\$218.37	\$0.03537	\$0.03558	
116.	1449/1565	2032038	11/9/2015 Solar		15.20 D		24,488	\$697.49	\$0.03537	\$0.03558	
117.	1269	2033522	11/13/2015 Solar		6.00 D		9,666	\$243.96	\$0.03537	\$0.03558	
118.	1271	1019794	11/13/2015 Solar		1.72 D		2,771	\$64.86	\$0.03537	\$0.03558	
119.	1280	1015288	11/13/2015 Solar		7.60 D		12,244	\$399.96	\$0.03537	\$0.03558	
120.	1288	1068640	11/13/2015 Solar		11.52 D		18,559	\$606.26	\$0.03537	\$0.03558	
121.	1120	2073520	11/16/2015 Solar		2.70 D		4,350	\$142.91	\$0.03537	\$0.03558	
122.	1046	2073470	11/18/2015 Solar		7.60 D		12,244	\$403.81	\$0.03537	\$0.03558	
123.	1287	1019528	11/18/2015 Solar		3.80 D		6,122	\$176.02	\$0.03537	\$0.03558	
124.	1299	1067942	11/20/2015 Solar		4.51 D		7,266	\$179.54	\$0.03537	\$0.03558	
125.	1179	2055720	11/23/2015 Solar		7.60 D		12,244	\$390.59	\$0.03537	\$0.03558	
126.	1146	1062900	11/24/2015 Solar		14.00 D		22,554	\$558.38	\$0.03537	\$0.03558	
127.	1254	1073502	11/24/2015 Solar		12.00 D		19,332	\$583.48	\$0.03537	\$0.03558	
128.	1238	1035060	12/1/2015 Solar		4.73 D		7,620	\$212.50	\$0.03537	\$0.03558	
129.	1286	1060650	12/1/2015 Solar		4.80 D		7,733	\$245.75	\$0.03537	\$0.03558	
130.	1437	1071854	12/1/2015 Solar		6.45 D		10,391	\$308.83	\$0.03537	\$0.03558	
131.	1010	2022836	12/2/2015 Solar		7.60 D		12,244	\$382.22	\$0.03537	\$0.03558	
132.	1268	2086374	12/2/2015 Solar		5.00 D		8,055	\$214.94	\$0.03537	\$0.03558	
133.	1342	2106408	12/2/2015 Solar		10.00 D		16,110	\$499.20	\$0.03537	\$0.03558	
134.	1416	2048540	12/2/2015 Solar		4.00 D		6,444	\$218.14	\$0.03537	\$0.03558	
135.	1436	1068944	12/2/2015 Solar		7.74 D		12,469	\$356.72	\$0.03537	\$0.03558	
136.	1082	2007108	12/3/2015 Solar		3.80 D		6,122	\$166.39	\$0.03537	\$0.03558	
137.	1294	1028424	12/3/2015 Solar		7.60 D		12,244	\$313.49	\$0.03537	\$0.03558	
138.	1345	2074908	12/3/2015 Solar		10.00 D		16,110	\$467.35	\$0.03537	\$0.03558	
139.	1386	2101638	12/3/2015 Solar		5.00 D		8,055	\$220.44	\$0.03537	\$0.03558	
140.	1393	2072942	12/3/2015 Solar		3.00 D		4,833	\$163.88	\$0.03537	\$0.03558	
141.	1435	2056522	12/3/2015 Solar		5.00 D		8,055	\$267.16	\$0.03537	\$0.03558	
142.	1389	1032502	12/4/2015 Solar		10.32 D		16,626	\$358.22	\$0.03537	\$0.03558	
143.	1460	1022986	12/4/2015 Solar		5.16 D		8,313	\$241.00	\$0.03537	\$0.03558	
144.	1350/3351	2101854	12/7/2015 Solar		26.67 G2		42,966	\$0.00	\$0.00000	\$0.00000	
145.	1145	2021134	12/9/2015 Solar		3.80 D		6,122	\$196.99	\$0.03537	\$0.03558	
146.	1156	2111966	12/9/2015 Solar		10.00 D		16,110	\$544.72	\$0.03537	\$0.03558	
147.	1326	2099106	12/9/2015 Solar		10.00 D		16,110	\$483.43	\$0.03537	\$0.03558	
148.	1339	2096694	12/9/2015 Solar		11.40 D		18,366	\$513.09	\$0.03537	\$0.03558	
149.	1103	2071326	12/10/2015 Solar		7.60 D		12,244	\$352.29	\$0.03537	\$0.03558	
150.	1104	2049308	12/10/2015 Solar		5.00 D		8,055	\$273.51	\$0.03537	\$0.03558	
151.	1105	2041152	12/10/2015 Solar		3.00 D		4,833	\$164.75	\$0.03537	\$0.03558	
152.	1194	2091682	12/10/2015 Solar		11.40 D		18,366	\$525.24	\$0.03537	\$0.03558	
153.	1245	2018566	12/10/2015 Solar		10.00 D		16,110	\$513.26	\$0.03537	\$0.03558	
154.	1213	2068576	12/14/2015 Solar		10.00 D		16,110	\$505.70	\$0.03537	\$0.03558	
155.	1258	2100718	12/14/2015 Solar		5.00 D		8,055	\$240.68	\$0.03537	\$0.03558	
156.	1262	1020872	12/14/2015 Solar		5.00 D		8,055	\$272.30	\$0.03537	\$0.03558	
157.	1276	2072936	12/14/2015 Solar		3.80 D		6,122	\$211.44	\$0.03537	\$0.03558	
158.	1325	2041016	12/14/2015 Solar		5.00 D		8,055	\$278.20	\$0.03537	\$0.03558	
159.	1344	2032444	12/14/2015 Solar		5.00 D		8,055	\$278.20	\$0.03537	\$0.03558	
160.	1242/3735	1017336	12/14/2015 Solar		11.04 D		17,786	\$367.24	\$0.03537	\$0.03558	
161.	1475	1009114	12/15/2015 Solar		14.00 G2		22,554	\$0.00	\$0.00000	\$0.00000	
162.	1489	1071782	12/16/2015 Solar		7.60 D		12,244	\$296.60	\$0.03537	\$0.03558	
163.	1476	1074288	12/17/2015 Solar		3.80 D		6,122	\$165.61	\$0.03537	\$0.03558	
164.	1273	2027116	12/18/2015 Solar		6.00 D		9,666	\$329.59	\$0.03537	\$0.03558	
165.	1251	2106524	12/21/2015 Solar		5.00 D		8,055	\$231.57	\$0.03537	\$0.03558	
166.	1516	2023272	12/21/2015 Solar		7.60 D		12,244	\$414.82	\$0.03537	\$0.03558	
167.	1264	1026584	12/22/2015 Solar		6.88 D		11,084	\$334.06	\$0.03537	\$0.03558	
168.	1267	1019234	12/22/2015 Solar		10.00 D		16,110	\$515.76	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	Annual kWh Generated	2019		May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
								Displaced Distribution Revenue	Displaced Distribution Revenue		
169.	1021	2087246	12/23/2015 Solar		20.00 G2		32,220	\$0.00	\$0.00000	\$0.00000	\$0.00000
170.	1324	1027736	12/23/2015 Solar		6.00 D		9,666	\$338.83	\$0.03537	\$0.03558	\$0.03558
171.	1583	2001864	12/23/2015 Solar		10.00 D		16,110	\$564.71	\$0.03537	\$0.03558	\$0.03558
172.	1484	1067272	12/28/2015 Solar		9.03 D		14,548	\$434.62	\$0.03537	\$0.03558	\$0.03558
173.	1075	2017710	12/30/2015 Solar		3.00 D		4,833	\$171.35	\$0.03537	\$0.03558	\$0.03558
174.	1166	1069016	12/30/2015 Solar		100.00 G2		161,102	\$0.00	\$0.00000	\$0.00000	\$0.00000
175.	1373	1065208	12/30/2015 Solar		10.00 D		16,110	\$571.17	\$0.03537	\$0.03558	\$0.03558
176.	1417	2104288	12/30/2015 Solar		10.00 D		16,110	\$496.97	\$0.03537	\$0.03558	\$0.03558
177.	1340	2033984	12/31/2015 Solar		7.60 D		12,244	\$423.69	\$0.03537	\$0.03558	\$0.03558
178.	1368	1043566	1/5/2016 Solar		14.40 D		23,199	\$719.75	\$0.03537	\$0.03558	\$0.03558
179.	1444	2076290	1/5/2016 Solar		11.40 D		18,366	\$554.98	\$0.03537	\$0.03558	\$0.03558
180.	1252	2019266	1/6/2016 Solar		3.00 D		4,833	\$123.81	\$0.03537	\$0.03558	\$0.03558
181.	1465	2112974	1/6/2016 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	\$0.03558
182.	1551	2048066	1/6/2016 Solar		6.00 D		9,666	\$236.07	\$0.03537	\$0.03558	\$0.03558
183.	1614	2033914	1/6/2016 Solar		7.60 D		12,244	\$403.10	\$0.03537	\$0.03558	\$0.03558
184.	1161	2094216	1/7/2016 Solar		7.60 D		12,244	\$409.70	\$0.03537	\$0.03558	\$0.03558
185.	1557	1070226	1/12/2016 Solar		7.74 D		12,469	\$331.42	\$0.03537	\$0.03558	\$0.03558
186.	1541	2044410	1/13/2016 Solar		63.00 G2		101,494	\$0.00	\$0.00000	\$0.00000	\$0.00000
187.	1617	2064460	1/18/2016 Solar		5.00 D		8,055	\$220.70	\$0.03537	\$0.03558	\$0.03558
188.	1648	1007994	1/19/2016 Solar		3.87 D		6,235	\$201.37	\$0.03537	\$0.03558	\$0.03558
189.	1522	2045264	1/20/2016 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	\$0.03558
190.	1640	2065796	1/20/2016 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	\$0.03558
191.	1658	2034004	1/20/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	\$0.03558
192.	1688	2027784	1/20/2016 Solar		6.00 D		9,666	\$293.81	\$0.03537	\$0.03558	\$0.03558
193.	1210	2076332	1/22/2016 Solar		13.80 D		22,232	\$789.49	\$0.03537	\$0.03558	\$0.03558
194.	1537	2069818	1/22/2016 Solar		6.00 D		9,666	\$332.33	\$0.03537	\$0.03558	\$0.03558
195.	1548	2064806	1/22/2016 Solar		3.00 D		4,833	\$164.97	\$0.03537	\$0.03558	\$0.03558
196.	1656	2032108	1/22/2016 Solar		5.00 D		8,055	\$281.46	\$0.03537	\$0.03558	\$0.03558
197.	1604	2062210	1/25/2016 Solar		5.00 D		8,055	\$277.31	\$0.03537	\$0.03558	\$0.03558
198.	1408	2079136	1/27/2016 Solar		11.40 D		18,366	\$589.87	\$0.03537	\$0.03558	\$0.03558
199.	1418	2090662	1/27/2016 Solar		10.00 D		16,110	\$425.89	\$0.03537	\$0.03558	\$0.03558
200.	1576	2017072	1/27/2016 Solar		11.00 D		17,721	\$624.18	\$0.03537	\$0.03558	\$0.03558
201.	1620	1042294	1/27/2016 Solar		7.60 D		12,244	\$424.94	\$0.03537	\$0.03558	\$0.03558
202.	1488	2025888	1/28/2016 Solar		6.00 D		9,666	\$269.71	\$0.03537	\$0.03558	\$0.03558
203.	1643	1024132	1/28/2016 Solar		4.95 D		7,975	\$265.82	\$0.03537	\$0.03558	\$0.03558
204.	1509	2063398	2/1/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	\$0.03558
205.	1361	2032366	2/2/2016 Solar		6.00 D		9,666	\$334.93	\$0.03537	\$0.03558	\$0.03558
206.	1399/3347	1013944	2/4/2016 Solar		4.83 D		7,781	\$209.10	\$0.03537	\$0.03558	\$0.03558
207.	1722	2075584	2/9/2016 Solar		6.00 D		9,666	\$250.41	\$0.03537	\$0.03558	\$0.03558
208.	1172	2078580	2/10/2016 Solar		7.10 D		11,430	\$398.82	\$0.03537	\$0.03558	\$0.03558
209.	1357	2027332	2/10/2016 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	\$0.03558
210.	1485	1019350	2/10/2016 Solar		10.00 D		16,110	\$554.45	\$0.03537	\$0.03558	\$0.03558
211.	1553	2034562	2/11/2016 Solar		9.36 D		15,079	\$502.62	\$0.03537	\$0.03558	\$0.03558
212.	1582	2001138	2/11/2016 Solar		10.00 D		16,110	\$489.15	\$0.03537	\$0.03558	\$0.03558
213.	1616	2089938	2/11/2016 Solar		11.40 D		18,366	\$635.82	\$0.03537	\$0.03558	\$0.03558
214.	1689	1001502	2/11/2016 Solar		3.00 D		4,833	\$162.10	\$0.03537	\$0.03558	\$0.03558
215.	1718	1073450	2/11/2016 Solar		6.00 D		9,666	\$274.66	\$0.03537	\$0.03558	\$0.03558
216.	1776	2078974	2/12/2016 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	\$0.03558
217.	1596	1003716	2/15/2016 Solar		5.16 D		8,313	\$294.20	\$0.03537	\$0.03558	\$0.03558
218.	1853	1040568	2/15/2016 Solar		4.52 D		7,282	\$232.74	\$0.03537	\$0.03558	\$0.03558
219.	1400	1066192	2/16/2016 Solar		7.60 D		12,244	\$338.91	\$0.03537	\$0.03558	\$0.03558
220.	1383	2021954	2/18/2016 Solar		3.00 D		4,833	\$171.63	\$0.03537	\$0.03558	\$0.03558
221.	1195	2045602	2/19/2016 Solar		10.00 D		16,110	\$568.11	\$0.03537	\$0.03558	\$0.03558
222.	1263	2068710	2/19/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	\$0.03558
223.	1546	1023068	2/19/2016 Solar		7.60 D		12,244	\$387.85	\$0.03537	\$0.03558	\$0.03558
224.	1695	2027482	2/19/2016 Solar		10.00 D		16,110	\$516.87	\$0.03537	\$0.03558	\$0.03558

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate	Class	2019			May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
								Annual kWh Generated	Displaced Distribution Revenue			
225.	1517	1065260	2/22/2016 Solar		6.00 D			9,666	\$304.06	\$0.03537	\$0.03558	
226.	1110	1073190	2/23/2016 Solar		22.32 D			35,958	\$769.60	\$0.03537	\$0.03558	
227.	1391	2037506	2/24/2016 Solar		10.00 D			16,110	\$528.48	\$0.03537	\$0.03558	
228.	1296	2044678	2/25/2016 Solar		5.00 D			8,055	\$242.46	\$0.03537	\$0.03558	
229.	1712	2043652	2/25/2016 Solar		11.40 D			18,366	\$494.93	\$0.03537	\$0.03558	
230.	1341	2070302	2/26/2016 Solar		11.00 D			17,721	\$565.17	\$0.03537	\$0.03558	
231.	1710	1000806	2/26/2016 Solar		6.80 D			10,955	\$378.38	\$0.03537	\$0.03558	
232.	1715	2019272	2/26/2016 Solar		3.80 D			6,122	\$195.50	\$0.03537	\$0.03558	
233.	1788	1066328	2/26/2016 Solar		10.00 D			16,110	\$462.19	\$0.03537	\$0.03558	
234.	1448	1014996	2/29/2016 Solar		6.00 D			9,666	\$229.65	\$0.03537	\$0.03558	
235.	1428	2090650	3/2/2016 Solar		6.00 D			9,666	\$343.26	\$0.03537	\$0.03558	
236.	1474	2099952	3/2/2016 Solar		7.60 D			12,244	\$422.98	\$0.03537	\$0.03558	
237.	1491	2094264	3/2/2016 Solar		5.00 D			8,055	\$265.71	\$0.03537	\$0.03558	
238.	1073	2100150	3/7/2016 Solar		10.00 D			16,110	\$552.61	\$0.03537	\$0.03558	
239.	1691	2072676	3/7/2016 Solar		5.00 D			8,055	\$286.05	\$0.03537	\$0.03558	
240.	1925	2090400	3/7/2016 Solar		6.00 D			9,666	\$329.60	\$0.03537	\$0.03558	
241.	1539	1043608	3/10/2016 Solar		3.80 D			6,122	\$165.07	\$0.03537	\$0.03558	
242.	1588	1042780	3/14/2016 Solar		7.60 D			12,244	\$401.03	\$0.03537	\$0.03558	
243.	1544	2033462	3/16/2016 Solar		11.40 D			18,366	\$651.80	\$0.03537	\$0.03558	
244.	1697	1066798	3/16/2016 Solar		17.60 D			28,354	\$937.68	\$0.03537	\$0.03558	
245.	1849	2097010	3/16/2016 Solar		3.80 D			6,122	\$217.40	\$0.03537	\$0.03558	
246.	1606	1065098	3/17/2016 Solar		12.90 D			20,782	\$738.00	\$0.03537	\$0.03558	
247.	1731	2092090	3/17/2016 Solar		5.38 D			8,667	\$223.41	\$0.03537	\$0.03558	
248.	1877	1020880	3/21/2016 Solar		9.36 D			15,079	\$459.91	\$0.03537	\$0.03558	
249.	1930	1038760	3/21/2016 Solar		4.80 D			7,733	\$158.70	\$0.03537	\$0.03558	
250.	1793	2034028	3/22/2016 Solar		5.00 D			8,055	\$286.05	\$0.03537	\$0.03558	
251.	1657	2055610	3/23/2016 Solar		7.60 D			12,244	\$420.53	\$0.03537	\$0.03558	
252.	1693	2072418	3/23/2016 Solar		3.00 D			4,833	\$170.24	\$0.03537	\$0.03558	
253.	1706	2078072	3/23/2016 Solar		5.00 D			8,055	\$286.05	\$0.03537	\$0.03558	
254.	1808	2033490	3/23/2016 Solar		12.96 D			20,879	\$680.06	\$0.03537	\$0.03558	
255.	1558	2102744	3/24/2016 Solar		7.60 D			12,244	\$357.01	\$0.03537	\$0.03558	
256.	1698	2098280	3/24/2016 Solar		10.00 D			16,110	\$557.90	\$0.03537	\$0.03558	
257.	1754	2066378	3/24/2016 Solar		3.80 D			6,122	\$217.40	\$0.03537	\$0.03558	
258.	1837	1023088	3/25/2016 Solar		3.80 D			6,122	\$209.08	\$0.03537	\$0.03558	
259.	1746	2000434	3/29/2016 Solar		6.72 D			10,826	\$311.29	\$0.03537	\$0.03558	
260.	1951	1015104	3/29/2016 Solar		6.00 D			9,666	\$276.22	\$0.03537	\$0.03558	
261.	1960	1070392	3/29/2016 Solar		5.76 D			9,279	\$295.29	\$0.03537	\$0.03558	
262.	1599	1041296	4/1/2016 Solar		4.56 D			7,346	\$260.59	\$0.03537	\$0.03558	
263.	1615	2096264	4/1/2016 Solar		15.20 D			24,488	\$780.13	\$0.03537	\$0.03558	
264.	1672	2007748	4/4/2016 Solar		3.00 D			4,833	\$158.14	\$0.03537	\$0.03558	
265.	1794	2067216	4/4/2016 Solar		5.28 D			8,506	\$238.95	\$0.03537	\$0.03558	
266.	1859	1019008	4/4/2016 Solar		7.60 D			12,244	\$366.41	\$0.03537	\$0.03558	
267.	1941	2005696	4/4/2016 Solar		7.20 D			11,599	\$410.13	\$0.03537	\$0.03558	
268.	1700	2073930	4/6/2016 Solar		5.00 D			8,055	\$256.22	\$0.03537	\$0.03558	
269.	1809	1045652	4/6/2016 Solar		5.76 D			9,279	\$301.49	\$0.03537	\$0.03558	
270.	1694	1072732	4/8/2016 Solar		5.00 D			8,055	\$249.12	\$0.03537	\$0.03558	
271.	1702	2065788	4/8/2016 Solar		7.60 D			12,244	\$413.65	\$0.03537	\$0.03558	
272.	1703	2025458	4/8/2016 Solar		5.00 D			8,055	\$199.73	\$0.03537	\$0.03558	
273.	1769	1058056	4/8/2016 Solar		3.84 D			6,186	\$219.68	\$0.03537	\$0.03558	
274.	1771	1046524	4/8/2016 Solar		7.60 D			12,244	\$434.79	\$0.03537	\$0.03558	
275.	1796	2077348	4/8/2016 Solar		6.96 D			11,213	\$347.78	\$0.03537	\$0.03558	
276.	1199	2042836	4/11/2016 Solar		5.00 D			8,055	\$286.05	\$0.03537	\$0.03558	
277.	1701	2069778	4/11/2016 Solar		8.88 D			14,306	\$483.82	\$0.03537	\$0.03558	
278.	1819	2089452	4/11/2016 Solar		6.00 D			9,666	\$252.52	\$0.03537	\$0.03558	
279.	1940	2000772	4/11/2016 Solar		5.76 D			9,279	\$329.13	\$0.03537	\$0.03558	
280.	1972	1026582	4/11/2016 Solar		12.72 D			20,492	\$598.84	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019		Displaced Distribution Revenue	May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Revenue			
281.	1068/2738	1047386	4/13/2016 Solar		12.50 G2		20,138	\$0.00	\$0.00000	\$0.00000	
282.	1503	2078752	4/18/2016 Solar		10.00 D		16,110	\$485.21	\$0.03537	\$0.03558	
283.	1669	2069932	4/18/2016 Solar		5.00 D		8,055	\$241.51	\$0.03537	\$0.03558	
284.	1742	2076216	4/19/2016 Solar		11.40 D		18,366	\$624.65	\$0.03537	\$0.03558	
285.	1671	2007750	4/20/2016 Solar		5.00 D		8,055	\$247.09	\$0.03537	\$0.03558	
286.	1865	1067320	4/20/2016 Solar		4.32 D		6,960	\$244.44	\$0.03537	\$0.03558	
287.	1829	2049494	4/25/2016 Solar		6.00 D		9,666	\$270.45	\$0.03537	\$0.03558	
288.	1894	2019316	4/25/2016 Solar		6.00 D		9,666	\$226.22	\$0.03537	\$0.03558	
289.	1727	1069684	4/26/2016 Solar		9.60 D		15,466	\$464.24	\$0.03537	\$0.03558	
290.	1619	2005892	4/28/2016 Solar		4.58 D		7,378	\$244.50	\$0.03537	\$0.03558	
291.	1903	2093676	4/28/2016 Solar		7.60 D		12,244	\$397.53	\$0.03537	\$0.03558	
292.	1797	1041282	4/29/2016 Solar		6.72 D		10,826	\$384.45	\$0.03537	\$0.03558	
293.	1860	1062142	4/29/2016 Solar		5.80 D		9,344	\$319.72	\$0.03537	\$0.03558	
294.	1550	2088578	5/2/2016 Solar		15.20 D		24,488	\$869.58	\$0.03537	\$0.03558	
295.	1699	2013250	5/2/2016 Solar		11.40 D		18,366	\$474.14	\$0.03537	\$0.03558	
296.	1708	2051900	5/2/2016 Solar		15.20 D		24,488	\$816.93	\$0.03537	\$0.03558	
297.	1726	2099660	5/2/2016 Solar		17.40 D		28,032	\$965.39	\$0.03537	\$0.03558	
298.	1733	2063554	5/2/2016 Solar		10.00 D		16,110	\$544.45	\$0.03537	\$0.03558	
299.	1943	2070986	5/2/2016 Solar		10.56 D		17,012	\$503.15	\$0.03537	\$0.03558	
300.	1717	2029280	5/3/2016 Solar		6.00 D		9,666	\$334.57	\$0.03537	\$0.03558	
301.	1827	2097368	5/4/2016 Solar		7.60 D		12,244	\$347.58	\$0.03537	\$0.03558	
302.	1828	2077344	5/5/2016 Solar		7.60 D		12,244	\$421.42	\$0.03537	\$0.03558	
303.	1881	2023448	5/5/2016 Solar		7.60 D		12,244	\$374.84	\$0.03537	\$0.03558	
304.	1741	2086802	5/6/2016 Solar		7.60 D		12,244	\$399.61	\$0.03537	\$0.03558	
305.	1846	2073132	5/6/2016 Solar		6.00 D		9,666	\$326.64	\$0.03537	\$0.03558	
306.	2013	2067398	5/9/2016 Solar		7.60 D		12,244	\$413.05	\$0.03537	\$0.03558	
307.	1696	2019270	5/10/2016 Solar		3.80 D		6,122	\$217.40	\$0.03537	\$0.03558	
308.	1705	2019268	5/10/2016 Solar		5.00 D		8,055	\$286.01	\$0.03537	\$0.03558	
309.	1802	1015060	5/10/2016 Solar		5.00 D		8,055	\$206.55	\$0.03537	\$0.03558	
310.	1998	2000666	5/10/2016 Solar		11.04 D		17,786	\$527.08	\$0.03537	\$0.03558	
311.	1525	2045912	5/11/2016 Solar		6.00 D		9,666	\$309.95	\$0.03537	\$0.03558	
312.	1709	2019256	5/11/2016 Solar		3.80 D		6,122	\$193.66	\$0.03537	\$0.03558	
313.	1870	1040972	5/12/2016 Solar		5.00 D		8,055	\$276.85	\$0.03537	\$0.03558	
314.	1921	1018232	5/12/2016 Solar		3.00 D		4,833	\$171.59	\$0.03537	\$0.03558	
315.	2005	1008904	5/12/2016 Solar		3.80 D		6,122	\$215.69	\$0.03537	\$0.03558	
316.	2033	1062378	5/13/2016 Solar		10.00 D		16,110	\$510.01	\$0.03537	\$0.03558	
317.	1674	2007776	5/16/2016 Solar		5.00 D		8,055	\$235.99	\$0.03537	\$0.03558	
318.	1887	2023316	5/16/2016 Solar		5.00 D		8,055	\$279.04	\$0.03537	\$0.03558	
319.	1523	2113428	5/17/2016 Solar		20.00 G2		32,220	\$0.00	\$0.00000	\$0.00000	
320.	2006	1066508	5/18/2016 Solar		15.20 D		24,488	\$846.53	\$0.03537	\$0.03558	
321.	1832	2089496	5/19/2016 Solar		5.00 D		8,055	\$267.24	\$0.03537	\$0.03558	
322.	1861	1065320	5/19/2016 Solar		8.00 D		12,888	\$433.80	\$0.03537	\$0.03558	
323.	2101	2104610	5/20/2016 Solar		6.00 D		9,666	\$312.99	\$0.03537	\$0.03558	
324.	1900	1073428	5/23/2016 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	
325.	2003	1014962	5/23/2016 Solar		4.80 D		7,733	\$165.64	\$0.03537	\$0.03558	
326.	1711	2019276	5/25/2016 Solar		5.00 D		8,055	\$196.54	\$0.03537	\$0.03558	
327.	1923	2070102	5/25/2016 Solar		10.00 D		16,110	\$504.35	\$0.03537	\$0.03558	
328.	2027	2019284	5/26/2016 Solar		5.00 D		8,055	\$220.51	\$0.03537	\$0.03558	
329.	1724	1020876	6/1/2016 Solar		10.24 D		16,497	\$500.60	\$0.03537	\$0.03558	
330.	2055	1006072	6/1/2016 Solar		3.44 D		5,542	\$152.46	\$0.03537	\$0.03558	
331.	1842	2077324	6/2/2016 Solar		5.00 D		8,055	\$196.72	\$0.03537	\$0.03558	
332.	1924	2023446	6/2/2016 Solar		3.80 D		6,122	\$215.12	\$0.03537	\$0.03558	
333.	2026	2073866	6/6/2016 Solar		4.80 D		7,733	\$252.05	\$0.03537	\$0.03558	
334.	1641	2007774	6/8/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	
335.	2081	1071010	6/8/2016 Solar		6.24 D		10,053	\$260.77	\$0.03537	\$0.03558	
336.	1407	1064094	6/9/2016 Solar		99.90 G2		160,941	\$0.00	\$0.00000	\$0.00000	

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019			May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Distribution Revenue	Revenue		
337.	2014	2103856	6/9/2016 Solar		6.00 D		9,666	\$334.59	\$0.03537	\$0.03558	
338.	2064	2068636	6/10/2016 Solar		5.76 D		9,279	\$315.54	\$0.03537	\$0.03558	
339.	2146	1065894	6/13/2016 Solar		5.00 D		8,055	\$221.31	\$0.03537	\$0.03558	
340.	2075	2041914	6/14/2016 Solar		6.24 D		10,053	\$352.49	\$0.03537	\$0.03558	
341.	1690	1017214	6/20/2016 Solar		3.00 D		4,833	\$171.63	\$0.03537	\$0.03558	
342.	2138	1000402	6/24/2016 Solar		11.40 D		18,366	\$457.78	\$0.03537	\$0.03558	
343.	2074	2091144	6/28/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	
344.	2034	2098650	7/5/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	
345.	2144	2093282	7/5/2016 Solar		6.00 D		9,666	\$323.30	\$0.03537	\$0.03558	
346.	2106	2024308	7/6/2016 Solar		3.36 D		5,413	\$189.60	\$0.03537	\$0.03558	
347.	2087	1028914	7/7/2016 Solar		6.72 D		10,826	\$355.96	\$0.03537	\$0.03558	
348.	1964	2044680	7/11/2016 Solar		9.80 D		15,788	\$508.37	\$0.03537	\$0.03558	
349.	2107	2105202	7/11/2016 Solar		2.40 D		3,866	\$113.54	\$0.03537	\$0.03558	
350.	2132	1032600	7/11/2016 Solar		8.40 D		13,533	\$462.71	\$0.03537	\$0.03558	
351.	1798	2019302	7/12/2016 Solar		5.00 D		8,055	\$173.83	\$0.03537	\$0.03558	
352.	1826	2019274	7/12/2016 Solar		5.00 D		8,055	\$228.05	\$0.03537	\$0.03558	
353.	2114	1046272	7/12/2016 Solar		20.00 D		32,220	\$975.27	\$0.03537	\$0.03558	
354.	1450	2014080	7/13/2016 Solar		3.00 D		4,833	\$170.31	\$0.03537	\$0.03558	
355.	1908	1064806	7/13/2016 Solar		5.00 D		8,055	\$264.75	\$0.03537	\$0.03558	
356.	2127	2003780	7/13/2016 Solar		5.76 D		9,279	\$272.85	\$0.03537	\$0.03558	
357.	2149	1007200	7/13/2016 Solar		13.20 D		21,266	\$715.06	\$0.03537	\$0.03558	
358.	2158	2076256	7/13/2016 Solar		10.00 D		16,110	\$452.27	\$0.03537	\$0.03558	
359.	1955	2078682	7/14/2016 Solar		6.72 D		10,826	\$351.93	\$0.03537	\$0.03558	
360.	2046	1037844	7/14/2016 Solar		2.88 D		4,640	\$151.49	\$0.03537	\$0.03558	
361.	1687	1064852	7/20/2016 Solar		10.00 D		16,110	\$47.57	\$0.03537	\$0.03558	
362.	1920	1071852	7/20/2016 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	
363.	1931	1066430	7/20/2016 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	
364.	1982	2014162	7/20/2016 Solar		5.00 D		8,055	\$204.15	\$0.03537	\$0.03558	
365.	1928	2076374	7/21/2016 Solar		7.60 D		12,244	\$380.25	\$0.03537	\$0.03558	
366.	1949	1036676	7/21/2016 Solar		3.00 D		4,833	\$159.00	\$0.03537	\$0.03558	
367.	1995	2005604	7/21/2016 Solar		5.00 D		8,055	\$194.89	\$0.03537	\$0.03558	
368.	2002	2086538	7/21/2016 Solar		5.00 D		8,055	\$268.68	\$0.03537	\$0.03558	
369.	2073	1023522	7/21/2016 Solar		5.00 D		8,055	\$261.09	\$0.03537	\$0.03558	
370.	2197	1001028	7/21/2016 Solar		5.00 D		8,055	\$249.38	\$0.03537	\$0.03558	
371.	2066	1018746	7/26/2016 Solar		7.20 D		11,599	\$338.05	\$0.03537	\$0.03558	
372.	2169	1073610	7/29/2016 Solar		15.04 D		24,230	\$762.12	\$0.03537	\$0.03558	
373.	1948	2037092	8/3/2016 Solar		5.00 D		8,055	\$215.11	\$0.03537	\$0.03558	
374.	2209	2111628	8/3/2016 Solar		6.45 D		10,391	\$365.90	\$0.03537	\$0.03558	
375.	768/1906	2113764	8/3/2016 Solar		38.00 D		61,219	\$2,112.76	\$0.03537	\$0.03558	
376.	1957	2010246	8/5/2016 Solar		7.60 D		12,244	\$358.44	\$0.03537	\$0.03558	
377.	1978	2051708	8/5/2016 Solar		7.60 D		12,244	\$405.44	\$0.03537	\$0.03558	
378.	2001	2001786	8/5/2016 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	
379.	2018	2033658	8/5/2016 Solar		11.40 D		18,366	\$652.08	\$0.03537	\$0.03558	
380.	2039	2095588	8/5/2016 Solar		7.60 D		12,244	\$314.29	\$0.03537	\$0.03558	
381.	2044	2032186	8/5/2016 Solar		5.00 D		8,055	\$285.69	\$0.03537	\$0.03558	
382.	2102	2094128	8/5/2016 Solar		3.00 D		4,833	\$171.63	\$0.03537	\$0.03558	
383.	2208	1030540	8/5/2016 Solar		3.80 D		6,122	\$217.40	\$0.03537	\$0.03558	
384.	2029	2069826	8/10/2016 Solar		9.84 D		15,852	\$506.69	\$0.03537	\$0.03558	
385.	2078	2018042	8/15/2016 Solar		20.00 D		32,220	\$1,074.11	\$0.03537	\$0.03558	
386.	2201	2113084	8/18/2016 Solar		8.32 D		13,404	\$475.98	\$0.03537	\$0.03558	
387.	2227	2077734	8/19/2016 Solar		8.50 D		13,694	\$426.40	\$0.03537	\$0.03558	
388.	2216	2020154	8/24/2016 Solar		8.88 D		14,306	\$461.52	\$0.03537	\$0.03558	
389.	2218	2053154	8/26/2016 Solar		43.20 G2		69,596	\$0.00	\$0.00000	\$0.00000	
390.	2211	1016230	8/26/2016 Solar		5.00 D		8,055	\$214.17	\$0.03537	\$0.03558	
391.	1714	2073968	8/29/2016 Solar		10.00 D		16,110	\$488.44	\$0.03537	\$0.03558	
392.	2058	2094696	8/29/2016 Solar		5.00 D		8,055	\$272.95	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019		Displaced Distribution Revenue	May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Revenue			
393.	2071	2060682	8/29/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	
394.	2082	2070202	8/29/2016 Solar		7.60 D		12,244	\$430.24	\$0.03537	\$0.03558	
395.	2187	2069982	8/29/2016 Solar		7.60 D		12,244	\$391.55	\$0.03537	\$0.03558	
396.	2194	2078600	8/29/2016 Solar		5.59 D		9,006	\$284.59	\$0.03537	\$0.03558	
397.	2203	2044258	8/29/2016 Solar		9.50 D		15,305	\$508.44	\$0.03537	\$0.03558	
398.	2223	2075018	8/29/2016 Solar		5.00 D		8,055	\$275.12	\$0.03537	\$0.03558	
399.	2254	2049224	8/29/2016 Solar		3.80 D		6,122	\$201.77	\$0.03537	\$0.03558	
400.	2134	1049360	8/30/2016 Solar		60.00 G1		96,661	\$0.00	\$0.00000	\$0.00000	
401.	2143	2065216	8/31/2016 Solar		12.96 D		20,879	\$741.15	\$0.03537	\$0.03558	
402.	2247	2088542	9/2/2016 Solar		10.32 D		16,626	\$539.24	\$0.03537	\$0.03558	
403.	2037	2045396	9/9/2016 Solar		7.60 D		12,244	\$412.25	\$0.03537	\$0.03558	
404.	2266	2075224	9/9/2016 Solar		8.60 D		13,855	\$320.12	\$0.03537	\$0.03558	
405.	2196	2050500	9/14/2016 Solar		11.40 D		18,366	\$574.24	\$0.03537	\$0.03558	
406.	2154	2103862	9/15/2016 Solar		10.00 D		16,110	\$544.95	\$0.03537	\$0.03558	
407.	2309	1030084	9/16/2016 Solar		4.80 D		7,733	\$274.60	\$0.03537	\$0.03558	
408.	2252	1074386	9/19/2016 Solar		3.60 D		5,800	\$181.93	\$0.03537	\$0.03558	
409.	2172	2073848	9/27/2016 Solar		6.00 D		9,666	\$340.94	\$0.03537	\$0.03558	
410.	2222	2072670	10/6/2016 Solar		6.00 D		9,666	\$343.26	\$0.03537	\$0.03558	
411.	2297	2032338	10/7/2016 Solar		8.17 D		13,162	\$406.95	\$0.03537	\$0.03558	
412.	2310	2036152	10/7/2016 Solar		9.92 D		15,981	\$567.52	\$0.03537	\$0.03558	
413.	2212	2061502	10/12/2016 Solar		3.00 D		4,833	\$139.95	\$0.03537	\$0.03558	
414.	2325	2028750	10/13/2016 Solar		3.36 D		5,413	\$161.60	\$0.03537	\$0.03558	
415.	2327	2074110	10/13/2016 Solar		6.46 D		10,407	\$336.01	\$0.03537	\$0.03558	
416.	2094	2073158	10/14/2016 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	
417.	2135	2073202	10/14/2016 Solar		5.00 D		8,055	\$284.60	\$0.03537	\$0.03558	
418.	2221	2073230	10/14/2016 Solar		5.00 D		8,055	\$250.38	\$0.03537	\$0.03558	
419.	2050	2109492	10/18/2016 Wind		11.40 D		18,366	\$652.19	\$0.03537	\$0.03558	
420.	2133	1059220	10/18/2016 Solar		16.32 D		26,292	\$695.29	\$0.03537	\$0.03558	
421.	2311	1018878	10/18/2016 Solar		10.00 D		16,110	\$558.07	\$0.03537	\$0.03558	
422.	2238	2020422	10/19/2016 Solar		11.40 D		18,366	\$532.25	\$0.03537	\$0.03558	
423.	2137	2033706	10/20/2016 Solar		5.00 D		8,055	\$279.59	\$0.03537	\$0.03558	
424.	2142	2017652	10/20/2016 Solar		7.60 D		12,244	\$383.75	\$0.03537	\$0.03558	
425.	2189	2076222	10/20/2016 Solar		6.00 D		9,666	\$343.08	\$0.03537	\$0.03558	
426.	2206	2109986	10/20/2016 Solar		3.00 D		4,833	\$154.62	\$0.03537	\$0.03558	
427.	2224	1032258	10/20/2016 Solar		5.00 D		8,055	\$238.97	\$0.03537	\$0.03558	
428.	2249	2001838	10/20/2016 Solar		7.60 D		12,244	\$423.01	\$0.03537	\$0.03558	
429.	2250	2053728	10/20/2016 Solar		3.00 D		4,833	\$171.63	\$0.03537	\$0.03558	
430.	2072	2016160	10/21/2016 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	
431.	2277	1015284	10/21/2016 Solar		11.40 D		18,366	\$567.47	\$0.03537	\$0.03558	
432.	2279	2073872	10/21/2016 Solar		4.25 D		6,847	\$242.14	\$0.03537	\$0.03558	
433.	2045	2086274	10/25/2016 Solar		5.00 D		8,055	\$216.80	\$0.03537	\$0.03558	
434.	2092	2027782	10/25/2016 Solar		3.00 D		4,833	\$171.63	\$0.03537	\$0.03558	
435.	2151	2066762	10/25/2016 Solar		6.00 D		9,666	\$325.00	\$0.03537	\$0.03558	
436.	2070	2016968	10/26/2016 Solar		7.09 D		11,422	\$353.77	\$0.03537	\$0.03558	
437.	2214	2108914	10/26/2016 Solar		6.00 D		9,666	\$292.23	\$0.03537	\$0.03558	
438.	2231	2055650	10/26/2016 Solar		7.60 D		12,244	\$246.88	\$0.03537	\$0.03558	
439.	2271	2073160	10/26/2016 Solar		3.80 D		6,122	\$215.40	\$0.03537	\$0.03558	
440.	2293	2095018	10/26/2016 Solar		7.60 D		12,244	\$404.89	\$0.03537	\$0.03558	
441.	2295	2044718	10/26/2016 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	
442.	2298	2071916	10/26/2016 Solar		9.00 D		14,499	\$510.29	\$0.03537	\$0.03558	
443.	2275	2077656	10/27/2016 Solar		16.00 G2		25,776	\$0.00	\$0.00000	\$0.00000	
444.	2376	1019020	10/27/2016 Solar		7.68 D		12,373	\$432.86	\$0.03537	\$0.03558	
445.	2248	2021610	10/31/2016 Solar		5.00 D		8,055	\$260.27	\$0.03537	\$0.03558	
446.	2331	2067448	10/31/2016 Solar		11.40 D		18,366	\$577.65	\$0.03537	\$0.03558	
447.	2323	2076086	11/1/2016 Solar		15.20 D		24,488	\$810.66	\$0.03537	\$0.03558	
448.	1602	2008662	11/2/2016 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate	Class	2019		Displaced Distribution Revenue	May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
								Annual kWh Generated	Displaced Revenue			
449.	1932	2019278	11/2/2016 Solar		3.80 D			6,122	\$172.71	\$0.03537	\$0.03558	
450.	1511	1030112	11/3/2016 Solar		7.60 D			12,244	\$423.23	\$0.03537	\$0.03558	
451.	2171	2056528	11/3/2016 Solar		5.00 D			8,055	\$272.66	\$0.03537	\$0.03558	
452.	2288	2061626	11/3/2016 Solar		3.80 D			6,122	\$173.66	\$0.03537	\$0.03558	
453.	2184	1037476	11/4/2016 Solar		3.80 D			6,122	\$201.78	\$0.03537	\$0.03558	
454.	2389	1009724	11/4/2016 Solar		6.00 D			9,666	\$303.67	\$0.03537	\$0.03558	
455.	2307	1066052	11/7/2016 Solar		7.20 D			11,599	\$350.12	\$0.03537	\$0.03558	
456.	2264	1007378	11/8/2016 Solar		3.00 D			4,833	\$171.63	\$0.03537	\$0.03558	
457.	2276	2075920	11/8/2016 Solar		16.00 D			25,776	\$779.39	\$0.03537	\$0.03558	
458.	2324	2064930	11/8/2016 Solar		8.88 D			14,306	\$407.33	\$0.03537	\$0.03558	
459.	2261	1019170	11/10/2016 Solar		12.80 D			20,621	\$648.31	\$0.03537	\$0.03558	
460.	2339	2023152	11/15/2016 Solar		8.64 D			13,919	\$492.62	\$0.03537	\$0.03558	
461.	2220	1070240	11/16/2016 Solar		10.00 D			16,110	\$473.12	\$0.03537	\$0.03558	
462.	2257	2062040	11/17/2016 Solar		3.80 D			6,122	\$216.26	\$0.03537	\$0.03558	
463.	1914	1046526	11/18/2016 Solar		13.60 D			21,910	\$756.18	\$0.03537	\$0.03558	
464.	2025	1021074	11/18/2016 Solar		13.44 D			21,652	\$627.13	\$0.03537	\$0.03558	
465.	2347	1010086	11/18/2016 Solar		7.60 D			12,244	\$349.75	\$0.03537	\$0.03558	
466.	2152	2065494	11/22/2016 Solar		7.60 D			12,244	\$434.08	\$0.03537	\$0.03558	
467.	2299	1074604	11/28/2016 Solar		6.00 D			9,666	\$314.60	\$0.03537	\$0.03558	
468.	2303	1045992	11/28/2016 Solar		5.20 D			8,377	\$265.51	\$0.03537	\$0.03558	
469.	2383	1010088	11/28/2016 Solar		6.72 D			10,826	\$361.03	\$0.03537	\$0.03558	
470.	2390	2076698	11/28/2016 Solar		12.00 D			19,332	\$288.47	\$0.03537	\$0.03558	
471.	2398	2076696	11/28/2016 Solar		6.72 D			10,826	\$334.94	\$0.03537	\$0.03558	
472.	2191	1073452	11/30/2016 Solar		5.00 D			8,055	\$209.89	\$0.03537	\$0.03558	
473.	2356	2086574	11/30/2016 Solar		10.40 D			16,755	\$454.96	\$0.03537	\$0.03558	
474.	2213	1068180	12/2/2016 Solar		7.60 D			12,244	\$422.45	\$0.03537	\$0.03558	
475.	2457	1000772	12/2/2016 Solar		5.94 D			9,569	\$331.68	\$0.03537	\$0.03558	
476.	2265	2087124	12/5/2016 Solar		7.60 D			12,244	\$434.79	\$0.03537	\$0.03558	
477.	2334	2031884	12/6/2016 Solar		7.60 D			12,244	\$430.77	\$0.03537	\$0.03558	
478.	2382	1022782	12/7/2016 Solar		6.75 D			10,874	\$344.33	\$0.03537	\$0.03558	
479.	2217	1029462	12/8/2016 Solar		57.60 G2			92,795	\$0.00	\$0.00000	\$0.00000	
480.	2285	1019412	12/9/2016 Solar		5.00 D			8,055	\$217.66	\$0.03537	\$0.03558	
481.	2287	2086516	12/9/2016 Solar		6.00 D			9,666	\$307.17	\$0.03537	\$0.03558	
482.	2336	1019724	12/9/2016 Solar		3.80 D			6,122	\$186.21	\$0.03537	\$0.03558	
483.	1950	2072410	12/19/2016 Solar		7.60 D			12,244	\$389.30	\$0.03537	\$0.03558	
484.	2406	2065814	12/19/2016 Solar		11.40 D			18,366	\$641.19	\$0.03537	\$0.03558	
485.	2262	1063546	12/20/2016 Solar		12.60 D			20,299	\$720.84	\$0.03537	\$0.03558	
486.	2258	2108838	12/28/2016 Solar		4.32 D			6,960	\$187.66	\$0.03537	\$0.03558	
487.	2242	1024360	12/29/2016 Solar		13.92 D			22,425	\$748.39	\$0.03537	\$0.03558	
488.	2342	1027802	12/29/2016 Solar		6.00 D			9,666	\$312.59	\$0.03537	\$0.03558	
489.	2335	2004406	12/30/2016 Solar		5.00 D			8,055	\$104.86	\$0.03537	\$0.03558	
490.	2272	2074008	1/5/2017 Solar		5.00 D			8,055	\$241.29	\$0.03537	\$0.03558	
491.	2366	1010000	1/9/2017 Solar		3.60 D			5,800	\$123.21	\$0.03537	\$0.03558	
492.	2489	1026620	1/17/2017 Solar		4.86 D			7,830	\$262.13	\$0.03537	\$0.03558	
493.	2430	2078526	1/18/2017 Solar		7.60 D			12,244	\$377.76	\$0.03537	\$0.03558	
494.	2232/3058	1060706	1/23/2017 Solar		6.22 D			10,021	\$345.89	\$0.03537	\$0.03558	
495.	2358	1069126	1/24/2017 Solar		7.60 D			12,244	\$419.56	\$0.03537	\$0.03558	
496.	2399	1065974	1/24/2017 Solar		5.76 D			9,279	\$300.67	\$0.03537	\$0.03558	
497.	2478	1044990	1/24/2017 Solar		5.76 D			9,279	\$296.90	\$0.03537	\$0.03558	
498.	2461	2055406	1/30/2017 Solar		5.00 D			8,055	\$230.79	\$0.03537	\$0.03558	
499.	2498	2065532	2/6/2017 Solar		5.52 D			8,893	\$315.80	\$0.03537	\$0.03558	
500.	2374	1072690	2/8/2017 Solar		15.20 D			24,488	\$258.13	\$0.03537	\$0.03558	
501.	2465	2061596	2/8/2017 Solar		3.80 D			6,122	\$165.47	\$0.03537	\$0.03558	
502.	2491	2090294	2/8/2017 Solar		6.00 D			9,666	\$315.87	\$0.03537	\$0.03558	
503.	2499	2067662	2/20/2017 Solar		6.60 D			10,633	\$367.05	\$0.03537	\$0.03558	
504.	2490	2076160	3/7/2017 Solar		7.83 D			12,614	\$381.02	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
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Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019		Displaced Distribution Revenue	May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Revenue			
505.	2504	1061842	3/10/2017 Solar		8.37 D		13,484	\$404.70	\$0.03537	\$0.03558	
506.	2524	1017850	3/15/2017 Solar		6.00 D		9,666	\$230.16	\$0.03537	\$0.03558	
507.	2535	2024278	3/22/2017 Solar		4.08 D		6,573	\$200.15	\$0.03537	\$0.03558	
508.	2557	1070046	3/27/2017 Solar		6.60 D		10,633	\$346.77	\$0.03537	\$0.03558	
509.	2543	1067800	3/28/2017 Solar		5.76 D		9,279	\$283.41	\$0.03537	\$0.03558	
510.	2555	1019924	3/29/2017 Solar		5.00 D		8,055	\$197.38	\$0.03537	\$0.03558	
511.	2548	1062106	3/30/2017 Solar		5.20 D		8,377	\$284.32	\$0.03537	\$0.03558	
512.	2481	2090170	4/6/2017 Solar		13.60 D		21,910	\$556.32	\$0.03537	\$0.03558	
513.	2528	1007486	4/10/2017 Solar		5.20 D		8,377	\$287.27	\$0.03537	\$0.03558	
514.	2549	1024572	4/14/2017 Solar		5.00 D		8,055	\$276.58	\$0.03537	\$0.03558	
515.	2530	1000346	4/20/2017 Solar		7.60 D		12,244	\$358.28	\$0.03537	\$0.03558	
516.	2410	2070162	4/24/2017 Solar		10.00 D		16,110	\$546.87	\$0.03537	\$0.03558	
517.	2597	2091592	4/25/2017 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	
518.	2595	2045376	4/26/2017 Solar		6.21 D		10,004	\$290.64	\$0.03537	\$0.03558	
519.	2602	2046692	5/1/2017 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	
520.	2048	1018688	5/2/2017 Solar		27.50 G2		44,303	\$0.00	\$0.00000	\$0.00000	
521.	2590	2096222	5/3/2017 Solar		10.00 D		16,110	\$478.52	\$0.03537	\$0.03558	
522.	2565	2023250	5/8/2017 Solar		6.00 D		9,666	\$305.73	\$0.03537	\$0.03558	
523.	2620	1034546	5/8/2017 Solar		11.00 D		17,721	\$479.23	\$0.03537	\$0.03558	
524.	2622	1007136	5/10/2017 Solar		6.00 D		9,666	\$341.37	\$0.03537	\$0.03558	
525.	2655	2015834	5/18/2017 Solar		4.32 D		6,960	\$201.65	\$0.03537	\$0.03558	
526.	2592	1073972	5/19/2017 Solar		6.00 D		9,666	\$295.97	\$0.03537	\$0.03558	
527.	2621	2062038	6/1/2017 Solar		7.60 D		12,244	\$378.41	\$0.03537	\$0.03558	
528.	2629	1073432	6/7/2017 Solar		7.60 D		12,244	\$382.71	\$0.03537	\$0.03558	
529.	2645	1069082	6/9/2017 Solar		6.60 D		10,633	\$330.17	\$0.03537	\$0.03558	
530.	2700	1066504	6/12/2017 Solar		7.60 D		12,244	\$374.67	\$0.03537	\$0.03558	
531.	2706	1074532	6/12/2017 Solar		6.00 D		9,666	\$303.80	\$0.03537	\$0.03558	
532.	2563	2105022	6/15/2017 Solar		5.00 D		8,055	\$285.30	\$0.03537	\$0.03558	
533.	2578	2104108	6/15/2017 Solar		5.20 D		8,377	\$297.49	\$0.03537	\$0.03558	
534.	2630	2097288	6/15/2017 Solar		7.60 D		12,244	\$365.16	\$0.03537	\$0.03558	
535.	2680	2091212	6/15/2017 Solar		4.32 D		6,960	\$216.06	\$0.03537	\$0.03558	
536.	2702	2087516	6/16/2017 Solar		9.80 D		15,788	\$510.09	\$0.03537	\$0.03558	
537.	2616	1046066	6/19/2017 Solar		7.20 D		11,599	\$394.00	\$0.03537	\$0.03558	
538.	2668	2008234	6/23/2017 Solar		3.00 D		4,833	\$171.63	\$0.03537	\$0.03558	
539.	2676	2074652	6/23/2017 Solar		10.00 D		16,110	\$457.17	\$0.03537	\$0.03558	
540.	2674	2100178	6/26/2017 Solar		4.56 D		7,346	\$224.08	\$0.03537	\$0.03558	
541.	2594	2045286	6/29/2017 Solar		10.00 G2		16,110	\$0.00	\$0.00000	\$0.00000	
542.	2710	1014976	6/29/2017 Solar		7.60 D		12,244	\$306.20	\$0.03537	\$0.03558	
543.	2699	2055662	7/7/2017 Solar		6.60 D		10,633	\$277.94	\$0.03537	\$0.03558	
544.	2703	2066094	7/7/2017 Solar		7.60 D		12,244	\$410.97	\$0.03537	\$0.03558	
545.	2678	2061446	7/10/2017 Solar		5.00 D		8,055	\$243.15	\$0.03537	\$0.03558	
546.	2696	1018240	7/11/2017 Solar		3.80 D		6,122	\$161.21	\$0.03537	\$0.03558	
547.	2679	1044994	7/13/2017 Solar		10.00 D		16,110	\$534.73	\$0.03537	\$0.03558	
548.	2485	2088016	7/25/2017 Solar		10.00 D		16,110	\$540.84	\$0.03537	\$0.03558	
549.	2715	2048200	7/28/2017 Solar		6.72 D		10,826	\$369.26	\$0.03537	\$0.03558	
550.	2749	1015242	8/3/2017 Solar		6.60 D		10,633	\$377.58	\$0.03537	\$0.03558	
551.	2778	1030416	8/3/2017 Solar		10.00 D		16,110	\$457.36	\$0.03537	\$0.03558	
552.	2748/3594	1074422	8/3/2017 Solar		9.24 D		14,886	\$409.09	\$0.03537	\$0.03558	
553.	2717	2045302	8/7/2017 Solar		10.00 D		16,110	\$497.65	\$0.03537	\$0.03558	
554.	2757	2051640	8/9/2017 Solar		3.80 D		6,122	\$186.39	\$0.03537	\$0.03558	
555.	2547	2114574	8/10/2017 Solar		23.40 G2		37,698	\$0.00	\$0.00000	\$0.00000	
556.	2705	1065712	8/10/2017 Solar		11.40 D		18,366	\$537.38	\$0.03537	\$0.03558	
557.	2740	2029646	8/10/2017 Solar		9.80 D		15,788	\$536.04	\$0.03537	\$0.03558	
558.	2735	2018044	8/14/2017 Solar		5.60 D		9,022	\$295.54	\$0.03537	\$0.03558	
559.	2765	1059182	8/14/2017 Solar		7.84 D		12,630	\$378.98	\$0.03537	\$0.03558	
560.	2759	1068644	8/18/2017 Solar		6.16 D		9,924	\$300.07	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019		Displaced Distribution Revenue	May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Revenue			
561.	2593	2073070	8/22/2017 Solar		10.60 D		17,077	\$606.42	\$0.03537	\$0.03558	
562.	2693	1020702	8/24/2017 Solar		11.40 D		18,366	\$603.65	\$0.03537	\$0.03558	
563.	2796	2095706	8/24/2017 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	
564.	2766	1065600	8/28/2017 Solar		6.44 D		10,375	\$348.33	\$0.03537	\$0.03558	
565.	2686	1068662	8/29/2017 Solar		17.40 D		28,032	\$921.31	\$0.03537	\$0.03558	
566.	2754	1048132	8/29/2017 Solar		10.00 D		16,110	\$501.64	\$0.03537	\$0.03558	
567.	2718	1017266	9/8/2017 Solar		5.00 D		8,055	\$278.27	\$0.03537	\$0.03558	
568.	2799	2087302	9/13/2017 Solar		8.40 D		13,533	\$446.49	\$0.03537	\$0.03558	
569.	2741	2061484	9/19/2017 Solar		7.60 D		12,244	\$361.41	\$0.03537	\$0.03558	
570.	2728	2046176	9/20/2017 Solar		3.80 D		12,244	\$377.92	\$0.03537	\$0.03558	
571.	2866	1023860	9/20/2017 Solar		7.60 D		6,122	\$175.56	\$0.03537	\$0.03558	
572.	2848	2026920	9/21/2017 Solar		7.60 D		12,244	\$351.98	\$0.03537	\$0.03558	
573.	2713	2001250	9/22/2017 Solar		7.60 D		12,244	\$365.66	\$0.03537	\$0.03558	
574.	2777	2023634	10/5/2017 Solar		7.60 D		12,244	\$324.52	\$0.03537	\$0.03558	
575.	2732	2049850	10/6/2017 Solar		15.20 D		24,488	\$552.07	\$0.03537	\$0.03558	
576.	2883	1032948	10/10/2017 Solar		7.60 D		12,244	\$393.09	\$0.03537	\$0.03558	
577.	2840	2078098	10/13/2017 Solar		7.60 D		12,244	\$403.20	\$0.03537	\$0.03558	
578.	2719	1028266	10/18/2017 Solar		10.00 D		16,110	\$469.44	\$0.03537	\$0.03558	
579.	2721	2101858	10/19/2017 Solar		11.40 D		18,366	\$467.81	\$0.03537	\$0.03558	
580.	2893	2113682	10/19/2017 Solar		5.00 D		8,055	\$275.90	\$0.03537	\$0.03558	
581.	2857	2069928	10/24/2017 Solar		9.86 D		15,885	\$531.04	\$0.03537	\$0.03558	
582.	2856	1030092	10/25/2017 Solar		9.60 D		15,466	\$515.61	\$0.03537	\$0.03558	
583.	2824	1065850	11/3/2017 Solar		7.60 D		12,244	\$336.30	\$0.03537	\$0.03558	
584.	2887	1020662	11/6/2017 Solar		10.00 D		16,110	\$518.35	\$0.03537	\$0.03558	
585.	2787	1005584	11/7/2017 Solar		6.00 D		9,666	\$280.80	\$0.03537	\$0.03558	
586.	241/2443	1069158	11/9/2017 Solar		5.00 D		8,055	\$243.96	\$0.03537	\$0.03558	
587.	2786	2018672	11/13/2017 Solar		11.40 D		18,366	\$599.67	\$0.03537	\$0.03558	
588.	2913	1019216	11/17/2017 Solar		15.20 D		24,488	\$694.65	\$0.03537	\$0.03558	
589.	2737	1065082	11/20/2017 Solar		7.60 D		12,244	\$289.31	\$0.03537	\$0.03558	
590.	2619	1008012	11/28/2017 Solar		10.00 D		16,110	\$475.74	\$0.03537	\$0.03558	
591.	2988	2076380	11/28/2017 Solar		10.00 D		16,110	\$538.92	\$0.03537	\$0.03558	
592.	243/2745	2064882	11/28/2017 Solar		7.60 D		12,244	\$369.29	\$0.03537	\$0.03558	
593.	2506	2112112	11/30/2017 Solar		99.90 G2		160,941	\$0.00	\$0.00000	\$0.00000	
594.	2941	2068368	11/30/2017 Solar		10.00 D		16,110	\$542.78	\$0.03537	\$0.03558	
595.	2763	1019594	12/1/2017 Solar		7.60 D		12,244	\$323.96	\$0.03537	\$0.03558	
596.	2894	2047244	12/7/2017 Solar		6.00 D		9,666	\$307.49	\$0.03537	\$0.03558	
597.	2905	2026774	12/7/2017 Solar		7.60 D		12,244	\$398.58	\$0.03537	\$0.03558	
598.	2923	2000270	12/7/2017 Solar		7.60 D		12,244	\$430.41	\$0.03537	\$0.03558	
599.	2806	2045328	12/8/2017 Solar		15.20 D		24,488	\$758.83	\$0.03537	\$0.03558	
600.	2816	2048064	12/11/2017 Solar		10.00 D		16,110	\$487.41	\$0.03537	\$0.03558	
601.	2269	1041980	12/20/2017 Solar		100.00 G2		161,102	\$0.00	\$0.00000	\$0.00000	
602.	2854	2076520	12/20/2017 Solar		7.60 D		12,244	\$434.79	\$0.03537	\$0.03558	
603.	2994	2060486	12/20/2017 Solar		20.00 D		32,220	\$1,073.05	\$0.03537	\$0.03558	
604.	2817	2052664	12/21/2017 Solar		3.80 D		6,122	\$203.06	\$0.03537	\$0.03558	
605.	2818	2052668	12/21/2017 Solar		3.80 D		6,122	\$211.38	\$0.03537	\$0.03558	
606.	2819	2052666	12/21/2017 Solar		3.80 D		6,122	\$193.41	\$0.03537	\$0.03558	
607.	3032	2078116	12/28/2017 Solar		3.80 D		6,122	\$217.25	\$0.03537	\$0.03558	
608.	3032	1059018	12/28/2017 Solar		7.60 D		12,244	\$350.27	\$0.03537	\$0.03558	
609.	2822	1019326	1/9/2018 Solar		10.00 D		16,110	\$434.61	\$0.03537	\$0.03558	
610.	2823	2062132	1/11/2018 Solar		5.00 D		8,055	\$245.55	\$0.03537	\$0.03558	
611.	2899	2111208	1/11/2018 Solar		3.80 D		6,122	\$197.69	\$0.03537	\$0.03558	
612.	2993	5082651	1/12/2018 Solar		20.00 G2		32,220	\$0.00	\$0.00000	\$0.00000	
613.	2820	2087310	1/15/2018 Solar		11.40 G2		18,366	\$0.00	\$0.00000	\$0.00000	
614.	2880	1074364	1/16/2018 Solar		7.60 D		12,244	\$315.38	\$0.03537	\$0.03558	
615.	2886	2061716	1/22/2018 Solar		6.00 D		9,666	\$329.15	\$0.03537	\$0.03558	
616.	2897	2052224	1/22/2018 Solar		7.60 D		12,244	\$381.54	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size		Rate	Class	2019			May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
					(kW-AC)	(AC)			Annual kWh Generated	Displaced Distribution Revenue	Displaced Revenue		
617.	2900	2070068	1/22/2018 Solar		12.16	D			19,590	\$630.32	\$0.03537	\$0.03558	
618.	2889	2079238	1/24/2018 Solar		11.40	D			18,366	\$573.11	\$0.03537	\$0.03558	
619.	3064	1030094	1/25/2018 Solar		3.36	D			5,413	\$163.90	\$0.03537	\$0.03558	
620.	3099	1070654	2/5/2018 Solar		7.60	D			12,244	\$405.11	\$0.03537	\$0.03558	
621.	2839a	5083837	2/6/2018 Solar		22.80	G2			36,731	\$0.00	\$0.00000	\$0.00000	
622.	2839b	5083839	2/6/2018 Solar		22.80	G2			36,731	\$0.00	\$0.00000	\$0.00000	
623.	3030	1004706	2/9/2018 Solar		8.96	G2			14,435	\$0.00	\$0.00000	\$0.00000	
624.	3020	2057206	2/13/2018 Solar		11.40	D			18,366	\$601.49	\$0.03537	\$0.03558	
625.	2291	1062804	2/15/2018 Solar		444.00	G1			7,15,294	\$0.00	\$0.00000	\$0.00000	
626.	2870	2074696	2/20/2018 Solar		3.80	D			6,122	\$206.26	\$0.03537	\$0.03558	
627.	3073	2113274	2/28/2018 Solar		10.40	D			16,755	\$537.59	\$0.03537	\$0.03558	
628.	3015	2023672	3/6/2018 Solar		7.60	D			12,244	\$415.67	\$0.03537	\$0.03558	
629.	2726	5083526	3/15/2018 Solar		48.70	G2			78,457	\$0.00	\$0.00000	\$0.00000	
630.	3029	1028516	3/21/2018 Solar		6.20	D			9,988	\$223.93	\$0.03537	\$0.03558	
631.	2922	2077670	3/26/2018 Solar		3.80	D			6,122	\$179.06	\$0.03537	\$0.03558	
632.	2970	2075628	3/26/2018 Solar		10.00	D			16,110	\$481.75	\$0.03537	\$0.03558	
633.	3096	2004774	3/28/2018 Solar		6.00	D			9,666	\$337.88	\$0.03537	\$0.03558	
634.	3082	2056090	4/2/2018 Solar		7.60	D			12,244	\$335.95	\$0.03537	\$0.03558	
635.	3122	1032550	4/2/2018 Solar		11.80	D			19,010	\$583.71	\$0.03537	\$0.03558	
636.	2982	1017288	4/3/2018 Solar		10.00	D			16,110	\$481.15	\$0.03537	\$0.03558	
637.	2734	2106440	4/16/2018 Solar		32.40	G2			52,197	\$0.00	\$0.00000	\$0.00000	
638.	2896	1018556	4/18/2018 Solar		5.00	D			8,055	\$203.23	\$0.03537	\$0.03558	
639.	3063	2113518	4/19/2018 Solar		3.80	D			6,122	\$109.71	\$0.03537	\$0.03558	
640.	2730	2051704	4/25/2018 Solar		5.00	D			8,055	\$276.87	\$0.03537	\$0.03558	
641.	2515	1072146	4/26/2018 Solar		15.20	G2			24,488	\$0.00	\$0.00000	\$0.00000	
642.	3021	2063480	5/1/2018 Solar		11.40	D			18,366	\$484.19	\$0.03537	\$0.03558	
643.	2907	1017348	5/7/2018 Solar		11.40	D			18,366	\$399.28	\$0.03537	\$0.03558	
644.	3106	2045146	5/10/2018 Solar		8.70	D			14,016	\$403.59	\$0.03537	\$0.03558	
645.	3131	1071028	5/11/2018 Solar		11.40	D			18,366	\$652.19	\$0.03537	\$0.03558	
646.	3031	2044594	5/17/2018 Solar		6.00	D			9,666	\$333.72	\$0.03537	\$0.03558	
647.	1043	1007942	5/23/2018 Solar		6.00	D			9,666	\$156.44	\$0.03537	\$0.03558	
648.	2898	2008800	5/24/2018 Solar		6.00	D			9,666	\$319.06	\$0.03537	\$0.03558	
649.	3145	1042504	5/24/2018 Solar		11.40	D			18,366	\$588.40	\$0.03537	\$0.03558	
650.	3201	1027700	5/31/2018 Solar		7.60	D			12,244	\$426.68	\$0.03537	\$0.03558	
651.	2821	2057034	6/1/2018 Solar		10.00	G2			16,110	\$0.00	\$0.00000	\$0.00000	
652.	2881	1029936	6/1/2018 Solar		10.00	D			16,110	\$572.09	\$0.03537	\$0.03558	
653.	3097	1043486	6/1/2018 Solar		11.40	D			18,366	\$548.53	\$0.03537	\$0.03558	
654.	3068	1011694	6/14/2018 Solar		37.10	G2			59,769	\$0.00	\$0.00000	\$0.00000	
655.	2902	2103334	6/21/2018 Solar		10.00	D			16,110	\$461.34	\$0.03537	\$0.03558	
656.	3172	1069500	6/27/2018 Solar		7.60	D			12,244	\$396.90	\$0.03537	\$0.03558	
657.	3108	2064858	6/29/2018 Solar		10.00	D			16,110	\$475.14	\$0.03537	\$0.03558	
658.	3254	1042666	7/5/2018 Solar		4.76	D			7,668	\$247.17	\$0.03537	\$0.03558	
659.	3153	5084089	7/12/2018 Solar		7.60	D			12,244	\$380.95	\$0.03537	\$0.03558	
660.	3235	2046762	7/19/2018 Solar		11.40	D			18,366	\$519.19	\$0.03537	\$0.03558	
661.	2760	1046960	7/23/2018 Solar		9.24	D			14,886	\$164.46	\$0.03537	\$0.03558	
662.	3277	2068634	8/8/2018 Solar		7.60	D			12,244	\$434.79	\$0.03537	\$0.03558	
663.	3083	1030732	8/16/2018 Solar		15.00	G2			24,165	\$0.00	\$0.00000	\$0.00000	
664.	2825	5085099	8/22/2018 Solar		52.20	G2			84,095	\$0.00	\$0.00000	\$0.00000	
665.	3228	2063296	8/22/2018 Solar		5.00	D			8,055	\$235.87	\$0.03537	\$0.03558	
666.	3332	2000706	8/22/2018 Solar		7.60	D			12,244	\$427.43	\$0.03537	\$0.03558	
667.	3192	1009012	8/24/2018 Solar		7.60	D			12,244	\$427.70	\$0.03537	\$0.03558	
668.	3200	1047866	8/24/2018 Solar		3.80	D			6,122	\$206.70	\$0.03537	\$0.03558	
669.	3310	1071786	8/24/2018 Solar		4.64	D			7,475	\$170.57	\$0.03537	\$0.03558	
670.	3342	5085103	8/29/2018 Solar		3.92	D			6,315	\$224.26	\$0.03537	\$0.03558	
671.	3226	2037990	9/5/2018 Solar		18.00	D			28,998	\$928.47	\$0.03537	\$0.03558	
672.	3352	5085334	9/5/2018 Solar		6.16	D			9,924	\$352.41	\$0.03537	\$0.03558	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019		Displaced Distribution Revenue	May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Revenue			
673.	3241	1033532	9/12/2018 Solar		5.20 D		8,377	\$268.40	\$0.03537	\$0.03558	
674.	3313	2049426	9/12/2018 Solar		3.40 D		5,477	\$194.51	\$0.03537	\$0.03558	
675.	3240	1046712	9/13/2018 Solar		9.00 D		14,499	\$369.92	\$0.03537	\$0.03558	
676.	3227	1029162	9/20/2018 Solar		10.40 D		16,755	\$589.53	\$0.03537	\$0.03558	
677.	3144	1003694	10/3/2018 Solar		6.00 D		9,666	\$271.26	\$0.03537	\$0.03558	
678.	3319	1042758	10/4/2018 Solar		7.60 D		12,244	\$418.09	\$0.03537	\$0.03558	
679.	3297	1037550	10/9/2018 Solar		6.00 D		9,666	\$272.42	\$0.03537	\$0.03558	
680.	3343	1000356	10/10/2018 Solar		7.00 D		11,277	\$370.64	\$0.03537	\$0.03558	
681.	3300	2049644	10/12/2018 Solar		5.00 D		8,055	\$286.05	\$0.03537	\$0.03558	
682.	3349	1029072	10/15/2018 Solar		4.35 D		7,008	\$216.25	\$0.03537	\$0.03558	
683.	3308	1024466	10/22/2018 Solar		9.28 D		14,950	\$415.58	\$0.03537	\$0.03558	
684.	3368	1045032	11/9/2018 Solar		11.60 D		18,688	\$457.73	\$0.03537	\$0.03558	
685.	3442	1063838	11/26/2018 Solar		10.00 D		16,110	\$457.90	\$0.03537	\$0.03558	
686.	2891	2097048	11/28/2018 Solar		28.80 G2		46,397	\$0.00	\$0.00000	\$0.00000	
687.	3380	2104176	12/6/2018 Solar		11.40 D		18,366	\$343.50	\$0.03537	\$0.03558	
688.	2890	2089352	12/19/2018 Solar		28.80 G2		46,397	\$0.00	\$0.00000	\$0.00000	
689.	3239	1074486	12/20/2018 Solar		34.20 G2		55,097	\$0.00	\$0.00000	\$0.00000	
690.	3337	2076998	12/26/2018 Solar		20.00 D		32,220	\$840.90	\$0.03537	\$0.03558	
691.	3398	5086173	12/31/2018 Solar		17.60 G2		28,354	\$0.00	\$0.00000	\$0.00000	
692.	3450	5086891	1/4/2019 Solar		10.00 D		16,110	\$474.61	\$0.03537	\$0.03558	
693.	3421	1027208	1/7/2019 Solar		8.12 D		13,082	\$378.55	\$0.03537	\$0.03558	
694.	3396	2018732	1/14/2019 Solar		7.60 D		12,244	\$296.77	\$0.03537	\$0.03558	
695.	3397	2046106	1/15/2019 Solar		15.20 D		24,488	\$634.76	\$0.03537	\$0.03558	
696.	3459	2070018	1/16/2019 Solar		11.40 D		18,366	\$617.60	\$0.03537	\$0.03558	
697.	3447	2049448	1/22/2019 Solar		5.00 D		8,055	\$273.45	\$0.03537	\$0.03558	
698.	3393	2069944	1/28/2019 Solar		7.60 D		12,244	\$410.42	\$0.03537	\$0.03558	
699.	3412	1044052	2/1/2019 Solar		6.00 D		9,666	\$261.12	\$0.03537	\$0.03558	
700.	3435	1028014	2/8/2019 Solar		11.00 D		17,721	\$473.56	\$0.03537	\$0.03558	
701.	3491	2056894	2/11/2019 Solar		5.00 D		8,055	\$161.87	\$0.03537	\$0.03558	
702.	3513	2089208	2/12/2019 Solar		7.60 D		12,244	\$307.93	\$0.03537	\$0.03558	
703.	3390	2027322	2/21/2019 Solar		3.40 D		5,477	\$171.73	\$0.03537	\$0.03558	
704.	3449	1009776	2/22/2019 Solar		15.20 D		24,488	\$549.78	\$0.03537	\$0.03558	
705.	3496	2002254	2/26/2019 Solar		5.00 D		8,055	\$196.38	\$0.03537	\$0.03558	
706.	3545	1030504	2/28/2019 Solar		6.72 D		10,826	\$136.59	\$0.03537	\$0.03558	
707.	3452	2077222	4/3/2019 Solar		11.40 D		18,366	\$422.85	\$0.03537	\$0.03558	
708.	3500	1009292	4/10/2019 Solar		5.80 D		9,344	\$131.79	\$0.03537	\$0.03558	
709.	3522	2001170	4/11/2019 Solar		10.00 D		16,110	\$311.43	\$0.03537	\$0.03558	
710.	3472	2095892	4/18/2019 Solar		99.90 G2		160,941	\$0.00	\$0.00000	\$0.00000	
711.	3597	1063564	4/22/2019 Solar		10.00 D		16,110	\$352.12	\$0.03537	\$0.03558	
712.	3577	2074412	4/29/2019 Solar		8.70 D		14,016	\$336.79	\$0.03537	\$0.03558	
713.	3407	1072896	4/30/2019 Solar		20.00 D		32,220	\$673.25	\$0.03537	\$0.03558	
714.	3523	2060268	4/30/2019 Solar		7.60 D		12,244	\$275.44	\$0.03537	\$0.03558	
715.	3425	1051320	5/2/2019 Solar		57.60 G2		92,795	\$0.00	\$0.00000	\$0.00000	
716.	3552	1009920	5/6/2019 Solar		8.70 D		14,016	\$163.26	\$0.03537	\$0.03558	
717.	3589	1030384	5/6/2019 Solar		6.72 D		10,826	\$238.20	\$0.03537	\$0.03558	
718.	3379	5087722	5/17/2019 Solar		98.80 G2		159,169	\$0.00	\$0.00000	\$0.00000	
719.	3568	2046634	5/20/2019 Solar		13.60 D		21,910	\$444.87	\$0.03537	\$0.03558	
720.	3587	2048924	5/20/2019 Solar		9.90 D		15,949	\$251.24	\$0.03537	\$0.03558	
721.	3569	2048476	5/23/2019 Solar		6.00 D		9,666	\$139.57	\$0.03537	\$0.03558	
722.	3654	1007116	5/24/2019 Solar		6.00 D		9,666	\$130.38	\$0.03537	\$0.03558	
723.	3614	2059680	5/31/2019 Solar		10.00 D		16,110	\$313.25	\$0.03537	\$0.03558	
724.	3558	2063382	6/3/2019 Solar		10.00 D		16,110	\$277.24	\$0.03537	\$0.03558	
725.	3512	1045016	6/4/2019 Solar		7.60 D		12,244	\$243.03	\$0.03537	\$0.03558	
726.	3566	1002580	6/4/2019 Solar		6.00 D		9,666	\$172.55	\$0.03537	\$0.03558	
727.	3521	5084589	6/6/2019 Solar		11.40 D		18,366	\$360.21	\$0.03537	\$0.03558	
728.	3544	5086704	6/10/2019 Solar		12.47 G2		20,089	\$0.00	\$0.00000	\$0.00000	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	2019		May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
							Annual kWh Generated	Displaced Distribution Revenue		
729.	3499	1066620	6/13/2019 Solar		7.60 D		12,244	\$163.60	\$0.03537	\$0.03558
730.	3606	1015054	6/17/2019 Solar		11.40 D		18,366	\$257.57	\$0.03537	\$0.03558
731.	3373	2110898	6/24/2019 Solar		22.80 D		36,731	\$484.65	\$0.03537	\$0.03558
732.	3578	1047846	6/24/2019 Solar		10.00 D		16,110	\$164.77	\$0.03537	\$0.03558
733.	3576	2048202	6/26/2019 Solar		7.60 D		12,244	\$146.42	\$0.03537	\$0.03558
734.	3109	1021128	7/1/2019 Solar		7.60 D		12,244	\$179.29	\$0.03537	\$0.03558
735.	3605	1024220	7/2/2019 Solar		10.00 D		16,110	\$173.70	\$0.03537	\$0.03558
736.	3690	2064840	7/2/2019 Solar		10.00 D		16,110	\$229.24	\$0.03537	\$0.03558
737.	3704	2105108	7/2/2019 Solar		7.60 D		12,244	\$170.66	\$0.03537	\$0.03558
738.	3600	1069088	7/8/2019 Solar		6.09 D		9,811	\$138.46	\$0.03537	\$0.03558
739.	3604	5087786	7/11/2019 Solar		43.20 G2		69,596	\$0.00	\$0.00000	\$0.00000
740.	3584	1024266	7/12/2019 Solar		15.20 D		24,488	\$374.43	\$0.03537	\$0.03558
741.	3446	5085742	7/15/2019 Solar		11.40 D		18,366	\$273.98	\$0.03537	\$0.03558
742.	3579	5087032	7/23/2019 Solar		6.96 D		11,213	\$133.57	\$0.03537	\$0.03558
743.	3726	1014780	7/23/2019 Solar		7.20 D		11,599	\$135.96	\$0.03537	\$0.03558
744.	3567	1045142	7/25/2019 Solar		7.00 D		11,277	\$108.36	\$0.03537	\$0.03558
745.	3703	2036442	7/29/2019 Solar		10.00 D		16,110	\$209.75	\$0.03537	\$0.03558
746.	3658	1016702	8/1/2019 Solar		7.60 D		12,244	\$136.00	\$0.03537	\$0.03558
747.	3548	5086928	8/1/2019 Solar		11.40 D		18,366	\$178.72	\$0.03537	\$0.03558
748.	3744	1017090	8/13/2019 Solar		8.16 D		13,146	\$133.40	\$0.03537	\$0.03558
749.	3670	2061436	8/19/2019 Solar		11.40 D		18,366	\$164.64	\$0.03537	\$0.03558
750.	3756	1015134	8/23/2019 Solar		6.24 D		10,053	\$77.92	\$0.03537	\$0.03558
751.	3615	2095266	8/26/2019 Solar		7.83 D		12,614	\$94.94	\$0.03537	\$0.03558
752.	3779	1014950	8/26/2019 Solar		3.84 D		6,186	\$45.60	\$0.03537	\$0.03558
753.	3762	1015010	8/28/2019 Solar		2.40 D		3,866	\$25.94	\$0.03537	\$0.03558
754.	3780	1017072	9/5/2019 Solar		3.84 D		6,186	\$50.78	\$0.03537	\$0.03558
755.	3693	2018414	9/6/2019 Solar		11.60 D		18,688	\$119.03	\$0.03537	\$0.03558
756.	3810	2046792	9/9/2019 Solar		11.04 D		17,786	\$147.34	\$0.03537	\$0.03558
757.	3510	1059024	9/11/2019 Solar		66.60 G2		107,294	\$0.00	\$0.00000	\$0.00000
758.	3784	1017280	9/11/2019 Solar		8.64 D		13,919	\$103.53	\$0.03537	\$0.03558
759.	3799	5083158	9/13/2019 Solar		15.20 D		24,488	\$181.37	\$0.03537	\$0.03558
760.	3857	5088110	9/13/2019 Solar		6.09 D		9,811	\$77.06	\$0.03537	\$0.03558
761.	3793	2110508	9/16/2019 Solar		7.83 D		12,614	\$95.01	\$0.03537	\$0.03558
762.	3797	1017264	9/24/2019 Solar		8.16 D		13,146	\$74.72	\$0.03537	\$0.03558
763.	3798	2035172	9/24/2019 Solar		10.00 D		16,110	\$88.98	\$0.03537	\$0.03558
764.	3816	1017192	9/24/2019 Solar		7.68 D		12,373	\$79.77	\$0.03537	\$0.03558
765.	3699	2049246	9/27/2019 Solar		16.00 D		25,776	\$161.71	\$0.03537	\$0.03558
766.	3721	5087174	9/27/2019 Solar		10.00 D		16,110	\$71.02	\$0.03537	\$0.03558
767.	3668	1017274	10/1/2019 Solar		3.80 D		6,122	\$33.73	\$0.03537	\$0.03558
768.	3811	2112276	10/1/2019 Solar		6.00 D		9,666	\$57.52	\$0.03537	\$0.03558
769.	3666	2066122	10/8/2019 Solar		6.00 D		9,666	\$52.36	\$0.03537	\$0.03558
770.	2851	1020980	10/14/2019 Solar		1.80 D		2,900	\$14.38	\$0.03537	\$0.03558
771.	3830	1017194	10/22/2019 Solar		6.48 D		10,439	\$45.40	\$0.03537	\$0.03558
772.	3827	2048976	10/28/2019 Solar		8.26 D		13,307	\$51.78	\$0.03537	\$0.03558
773.	3669	1015080	10/29/2019 Solar		7.60 D		12,244	\$42.86	\$0.03537	\$0.03558
774.	3841	1017308	10/29/2019 Solar		8.12 D		13,082	\$49.90	\$0.03537	\$0.03558
775.	3851	1017148	10/29/2019 Solar		10.50 D		16,916	\$61.97	\$0.03537	\$0.03558
776.	3691	2063292	10/30/2019 Solar		6.00 D		9,666	\$36.14	\$0.03537	\$0.03558
777.	3824	1017342	10/30/2019 Solar		6.50 D		10,472	\$39.04	\$0.03537	\$0.03558
778.	3821	1047936	11/1/2019 Solar		3.80 D		6,122	\$21.75	\$0.03537	\$0.03558
779.	3835	1045556	11/4/2019 Solar w/storage		7.60 D		12,244	\$41.76	\$0.03537	\$0.03558
780.	3822	1015118	11/6/2019 Solar		7.20 D		11,599	\$38.10	\$0.03537	\$0.03558
781.	3848	1068268	11/7/2019 Solar		20.00 D		32,220	\$103.81	\$0.03537	\$0.03558
782.	3834	2103822	11/8/2019 Solar		5.00 D		8,055	\$25.45	\$0.03537	\$0.03558
783.	3924	1019368	11/14/2019 Solar		8.41 D		13,549	\$37.69	\$0.03537	\$0.03558
784.	3793	2102226	11/15/2019 Solar		8.12 D		13,082	\$35.56	\$0.03537	\$0.03558

Sequence	GID ID	Loc ID	Installed	Gen Type	Size (kW-AC)	Rate Class	Annual kWh Generated	2019		May 2018 Distr. \$/kWh	May 2019 Distr. \$/kWh
								Displaced Distribution Revenue	Displaced Distribution Revenue		
785.	3886	2109824	11/18/2019	Solar	5.80 D		9,344	\$23.64	\$0.03537	\$0.03558	
786.	3860	2036014	11/19/2019	Solar	10.00 D		16,110	\$39.75	\$0.03537	\$0.03558	
787.	3861	2104612	11/19/2019	Solar w/storage	7.60 D		12,244	\$30.21	\$0.03537	\$0.03558	
788.	3875	1063288	11/19/2019	Solar	9.36 D		15,079	\$37.20	\$0.03537	\$0.03558	
789.	3852	2036292	11/20/2019	Solar	7.60 D		12,244	\$29.44	\$0.03537	\$0.03558	
790.	3873	1037976	11/20/2019	Solar	6.09 D		9,811	\$23.59	\$0.03537	\$0.03558	
791.	3893	1002136	11/22/2019	Solar	5.22 D		8,410	\$19.16	\$0.03537	\$0.03558	
792.	3656	1027740	11/26/2019	Solar	11.40 D		18,366	\$37.22	\$0.03537	\$0.03558	
793.	3929	1027232	11/26/2019	Solar	9.36 D		15,079	\$29.39	\$0.03537	\$0.03558	
794.	3955	2112280	11/26/2019	Solar	7.60 D		12,244	\$24.82	\$0.03537	\$0.03558	
795.	3595	1007722	11/27/2019	Solar	15.20 D		24,488	\$41.90	\$0.03537	\$0.03558	
796.	3607	1062716	11/27/2019	Solar	16.40 D		26,421	\$48.54	\$0.03537	\$0.03558	
797.	3894	1015094	12/3/2019	Solar	7.60 D		12,244	\$19.63	\$0.03537	\$0.03558	
798.	3862	2103628	12/4/2019	Solar	7.60 D		12,244	\$18.93	\$0.03537	\$0.03558	
799.	3763	2112188	12/10/2019	Solar	72.00 G2		115,994	\$0.00	\$0.00000	\$0.00000	
800.	3832	1037494	12/10/2019	Solar	6.00 D		9,666	\$11.62	\$0.03537	\$0.03558	
801.	3960	1029724	12/10/2019	Solar	6.00 D		9,666	\$11.62	\$0.03537	\$0.03558	
802.	3910	2033786	12/11/2019	Solar	7.60 D		12,244	\$14.02	\$0.03537	\$0.03558	
803.	3781	2046282	12/12/2019	Solar	10.00 D		16,110	\$17.53	\$0.03537	\$0.03558	
804.	3806	2037532	12/12/2019	Solar w/storage	7.60 D		12,244	\$13.32	\$0.03537	\$0.03558	
805.	3912	1017430	12/16/2019	Solar	7.92 D		12,759	\$10.96	\$0.03537	\$0.03558	
806.	3883	2094566	12/17/2019	Solar	7.60 D		12,244	\$9.82	\$0.03537	\$0.03558	
807.	3831	1019182	12/18/2019	Solar	10.00 D		16,110	\$11.99	\$0.03537	\$0.03558	
808.	3864	1007030	12/19/2019	Solar	7.20 D		11,599	\$7.97	\$0.03537	\$0.03558	
809.	3877	1071962	12/19/2019	Solar	18.00 D		28,998	\$19.93	\$0.03537	\$0.03558	
810.	3892	1014914	12/24/2019	Solar	3.84 D		6,186	\$2.48	\$0.03537	\$0.03558	
811.	3905	1017218	12/26/2019	Solar	13.40 D		21,588	\$6.18	\$0.03537	\$0.03558	
812.	3842	2002022	12/27/2019	Solar	7.60 D		12,244	\$2.80	\$0.03537	\$0.03558	
813.	3982	2109838	12/27/2019	Solar	5.00 D		8,055	\$1.85	\$0.03537	\$0.03558	
Total							13,345,747	\$243,087.48			

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
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Days in Month
End of Month Date
Test Year EOMD

Estimated kWh Generated

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Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
		100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023
1.	749	50												50
2.	759	213			183									213
3.	648	175	290		244									175
4.	743	264	280	2,019	524									264
5.	647	227	331	647	277									227
6.	751	496	1,983	2,614	1,103									496
7.	690	185	902	1,190	502									185
8.	668	534	567	650	611									534
9.	550	2,532	1,662	778										2,532
10.	722	372												372
11.	620	1,144												1,434
12.	782	602	290											882
13.	680	602	280	2,019	524									933
14.	684	502	331	647	277									884
15.	739	745	382	2,614	1,103									1,312
16.	809	1,405	1,662	778										3,845
17.	702	602	712	939	183									2,437
18.	775	602	712	939	244									2,498
19.	876/916	1,295	1,532	2,019	524									5,370
20.	822	547	647	853	277									2,324
21.	790	1,676	1,983	2,614	1,103									7,377
22.	837	763	902	1,190	502									3,357
23.	610	828	980	1,291	712									3,812
24.	899	813	962	1,268	1,111									4,154
25.	897	1,017	1,203	1,586	1,441									5,246
26.	740	417	493	650	611									2,170
27.	904	753	891	1,174	1,143									3,961
28.	914	412	487	642	625	22								2,187
29.	875	622	736	971	945	130								3,404
30.	898	1,152	1,363	1,797	1,750	302								6,364
31.	893	1,084	1,282	1,691	1,646	340								6,044
32.	673	301	356	470	457	205								1,789
33.	860	723	855	1,127	1,097	794								4,596
34.	933	903	1,069	1,409	1,372	993								5,745
35.	950	1,084	1,282	1,691	1,646	1,588								7,292
36.	810	6,625	7,837	10,332	10,059	10,054								44,906
37.	882	502	594	783	762	762								3,402
38.	923	402	475	626	610	651	64							2,828
39.	931	587	695	916	892	953	94							4,136
40.	674	602	712	939	914	977	160							4,306
41.	788	838	992	1,307	1,273	1,360	223							5,992
42.	947	813	962	1,268	1,234	1,319	476							6,072
43.	930	632	748	986	960	1,026	572							4,925
44.	982	1,079	1,276	1,683	1,638	1,750	1,091							8,518
45.	945	542	641	845	823	879	635							4,366
46.	962	316	374	493	480	513	387							2,563
47.	983/3661	803	950	1,252	1,219	1,303	983							6,510
48.	925	813	962	1,268	1,234	1,319	1,298							6,894
49.	824	1,099	1,300	1,714	1,669	1,783	1,755	123						9,443
50.	912	502	594	783	762	814	801	56						4,312
51.	1018	1,036	1,225	1,616	1,573	1,680	1,654	523						9,307
52.	966	1,004	1,187	1,565	1,524	1,628	1,603	1,125						9,637
53.	957	331	392	517	503	537	529	390						3,199
54.	1052	475	562	740	721	770	758	559						4,585
55.	832	627	742	978	953	1,018	1,002	774						6,093
56.	880	838	992	1,307	1,273	1,360	1,338	1,080						8,188

Sequence	GID ID	Est. kWh Generated	PVWatts Data per kW-AC												Total 2019
			Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	
169.	1021	100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023	
170.	2,008	2,008	2,375	3,131	3,048	3,257	3,205	3,488	3,332	2,920	2,141	1,709	1,193	31,806	
171.	602	602	712	939	914	977	962	1,046	999	876	642	513	358	9,542	
172.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	596	15,903	
173.	906	906	1,072	1,414	1,376	1,470	1,447	1,575	1,504	1,318	967	772	656	14,477	
174.	301	301	356	470	457	489	481	523	500	438	321	256	233	4,825	
175.	10,038	10,038	11,874	15,654	15,240	16,284	16,026	17,440	16,658	14,599	10,707	8,544	7,779	160,843	
176.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	778	16,084	
177.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	778	16,084	
178.	763	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
179.	1,445	1,445	1,710	2,254	2,195	2,345	2,308	2,511	2,399	2,102	1,542	1,230	1,157	23,199	
180.	1,144	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
181.	301	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
182.	763	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
183.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
184.	763	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
185.	777	777	919	1,212	1,180	1,260	1,240	1,350	1,289	1,130	829	661	622	12,469	
186.	6,324	6,324	7,481	9,862	9,601	10,259	10,096	10,987	10,494	9,197	6,746	5,383	5,064	101,494	
187.	502	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
188.	388	388	460	606	590	630	620	675	645	565	414	331	311	6,235	
189.	763	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
190.	502	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
191.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
192.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
193.	1,385	1,385	1,639	2,160	2,103	2,247	2,212	2,407	2,299	2,015	1,478	1,179	1,109	22,232	
194.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
195.	301	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
196.	502	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
197.	502	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
198.	1,144	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
199.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
200.	1,104	1,104	1,306	1,722	1,676	1,791	1,763	1,918	1,832	1,606	1,178	940	884	17,721	
201.	763	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
202.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
203.	497	497	588	775	754	806	793	863	825	723	530	423	398	7,975	
204.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
205.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
206.	485	485	574	756	736	787	774	842	805	705	517	413	388	7,781	
207.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
208.	712	712	842	1,111	1,081	1,155	1,137	1,237	1,182	1,036	760	606	570	11,430	
209.	502	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
210.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
211.	940	940	1,111	1,465	1,426	1,524	1,500	1,632	1,559	1,366	1,002	800	752	15,079	
212.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
213.	1,144	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
214.	301	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
215.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
216.	502	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
217.	518	518	613	808	786	840	827	900	860	753	553	441	415	8,313	
218.	454	454	537	708	689	736	724	788	753	660	484	386	363	7,282	
219.	763	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
220.	301	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
221.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
222.	602	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
223.	763	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
224.	1,004	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	

Sequence	GID ID	Est. kWh Generated	PVWatts Data per kW-AC												Total 2019
			Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	
			1/31/2019	2/28/2019	3/31/2019	4/30/2019	5/31/2019	6/30/2019	7/31/2019	8/31/2019	9/30/2019	10/31/2019	11/30/2019	12/31/2019	
225.	1517	100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023	
226.	1110	2,241	2,650	3,494	3,402	3,635	3,577	3,893	3,718	3,258	2,390	1,907	1,794	35,958	
227.	1391	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
228.	1296	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
229.	1712	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
230.	1341	1,104	1,306	1,722	1,676	1,791	1,763	1,918	1,832	1,606	1,178	940	884	17,721	
231.	1710	683	807	1,064	1,036	1,107	1,090	1,186	1,133	993	728	581	547	10,955	
232.	1715	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
233.	1788	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
234.	1448	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
235.	1428	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
236.	1474	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
237.	1491	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
238.	1073	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
239.	1691	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
240.	1925	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
241.	1539	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
242.	1588	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
243.	1544	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
244.	1697	1,767	2,090	2,755	2,682	2,866	2,821	3,069	2,932	2,569	1,885	1,504	1,415	28,354	
245.	1849	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
246.	1606	1,295	1,532	2,019	1,966	2,101	2,067	2,250	2,149	1,883	1,381	1,102	1,037	20,782	
247.	1731	540	639	842	820	876	862	938	896	785	576	460	432	8,667	
248.	1877	940	1,111	1,465	1,426	1,524	1,500	1,632	1,559	1,366	1,002	800	752	15,079	
249.	1930	482	570	751	732	782	769	837	800	701	514	410	386	7,733	
250.	1783	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
251.	1657	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
252.	1693	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
253.	1706	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
254.	1808	1,301	1,539	2,029	1,975	2,110	2,077	2,260	2,159	1,892	1,388	1,107	1,042	20,879	
255.	1558	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
256.	1698	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
257.	1754	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
258.	1837	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
259.	1746	675	798	1,052	1,024	1,094	1,077	1,172	1,119	981	720	574	540	10,826	
260.	1951	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
261.	1960	578	684	902	878	938	923	1,005	959	841	617	492	463	9,279	
262.	1599	458	541	714	695	743	731	795	760	666	488	390	367	7,346	
263.	1615	1,526	1,805	2,379	2,317	2,475	2,436	2,651	2,532	2,219	1,628	1,299	1,222	24,488	
264.	1672	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
265.	1794	530	627	827	805	860	846	921	880	771	565	451	424	8,506	
266.	1859	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
267.	1941	723	855	1,127	1,097	1,172	1,154	1,256	1,199	1,051	771	615	579	11,599	
268.	1700	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
269.	1809	578	684	902	878	938	923	1,005	959	841	617	492	463	9,279	
270.	1694	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
271.	1702	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
272.	1703	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
273.	1769	385	456	601	585	625	615	670	640	561	411	328	309	6,186	
274.	1771	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
275.	1796	699	826	1,090	1,061	1,133	1,115	1,214	1,159	1,016	745	595	559	11,213	
276.	1199	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
277.	1701	891	1,054	1,390	1,353	1,446	1,423	1,549	1,479	1,296	951	759	714	14,306	
278.	1819	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
279.	1940	578	684	902	878	938	923	1,005	959	841	617	492	463	9,279	
280.	1972	1,277	1,510	1,991	1,939	2,071	2,038	2,218	2,119	1,857	1,362	1,087	1,022	20,492	

Sequence	GID ID	Est. kWh Generated	PVWatts Data per kW-AC												Total 2019
			Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	
281.	1068/2738	100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023	
282.	1503	1,255	1,484	1,957	1,905	2,035	2,003	2,180	2,082	1,825	1,338	1,068	1,005	20,138	
283.	1669	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
284.	1742	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
285.	1671	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
286.	1865	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
287.	1829	434	513	676	658	703	692	753	720	631	463	369	347	6,960	
288.	1894	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
289.	1727	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
290.	1619	964	1,140	1,503	1,463	1,563	1,538	1,674	1,599	1,401	1,028	820	772	15,466	
291.	1903	460	544	717	698	746	734	799	763	669	490	391	368	7,378	
292.	1797	675	798	1,052	1,024	1,094	1,077	1,172	1,119	981	720	574	540	10,826	
293.	1860	582	689	908	884	944	930	1,011	966	847	621	496	466	9,344	
294.	1550	1,526	1,805	2,379	2,317	2,475	2,436	2,651	2,532	2,219	1,628	1,299	1,222	24,488	
295.	1699	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
296.	1708	1,526	1,805	2,379	2,317	2,475	2,436	2,651	2,532	2,219	1,628	1,299	1,222	24,488	
297.	1726	1,747	2,066	2,724	2,652	2,833	2,789	3,034	2,892	2,540	1,863	1,487	1,399	28,032	
298.	1733	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
299.	1943	1,060	1,254	1,653	1,609	1,720	1,692	1,842	1,759	1,542	1,131	902	849	17,012	
300.	1717	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
301.	1827	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
302.	1828	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
303.	1881	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
304.	1741	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
305.	1846	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
306.	2013	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
307.	1696	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
308.	1705	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
309.	1802	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
310.	1998	1,108	1,311	1,728	1,683	1,798	1,769	1,925	1,839	1,612	1,182	943	887	17,786	
311.	1525	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
312.	1709	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
313.	1870	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
314.	1921	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
315.	2005	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
316.	2033	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
317.	1674	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
318.	1887	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
319.	1523	2,008	2,375	3,131	3,048	3,257	3,205	3,488	3,332	2,920	2,141	1,709	1,608	32,220	
320.	2006	1,526	1,805	2,379	2,317	2,475	2,436	2,651	2,532	2,219	1,628	1,299	1,222	24,488	
321.	1832	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
322.	1861	803	950	1,252	1,219	1,303	1,282	1,395	1,333	1,168	857	684	643	12,888	
323.	2101	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
324.	1900	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
325.	2003	482	570	751	732	782	769	837	800	701	514	410	386	7,733	
326.	1711	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
327.	1923	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
328.	2027	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
329.	1724	1,028	1,216	1,603	1,561	1,667	1,641	1,786	1,706	1,495	1,096	875	823	16,497	
330.	2055	345	408	539	524	560	551	600	573	502	368	294	277	5,542	
331.	1842	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
332.	1924	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
333.	2026	482	570	751	732	782	769	837	800	701	514	410	386	7,733	
334.	1641	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
335.	2081	626	741	977	951	1,016	1,000	1,088	1,039	911	668	533	502	10,053	
336.	1407	10,028	11,862	15,639	15,225	16,267	16,010	17,422	16,641	14,584	10,697	8,536	8,030	160,941	

Sequence	GID ID	Est. kWh Generated	PVWatts Data per kW-AC												Total 2019
			Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	
393.	2071	100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023	
394.	2082	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
395.	2187	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
396.	2194	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
397.	2203	561	664	875	852	910	896	975	931	816	599	478	449	9,006	
398.	2223	954	1,128	1,487	1,448	1,547	1,522	1,657	1,582	1,387	1,017	812	764	15,305	
399.	2254	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
400.	2134	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
401.	2143	6,023	7,125	9,393	9,144	9,770	9,616	10,464	9,995	8,759	6,424	5,127	4,823	96,661	
402.	2247	1,301	1,539	2,029	1,975	2,110	2,077	2,260	2,159	1,892	1,388	1,107	1,042	20,879	
403.	2037	1,036	1,225	1,616	1,573	1,680	1,654	1,800	1,719	1,507	1,105	882	830	16,626	
404.	2266	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
405.	2196	863	1,021	1,346	1,311	1,400	1,378	1,500	1,433	1,256	921	735	691	13,855	
406.	2154	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
407.	2309	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
408.	2252	482	570	751	732	782	769	837	800	701	514	410	386	7,733	
409.	2172	361	427	564	549	586	577	628	600	526	385	308	289	5,800	
410.	2222	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
411.	2297	820	970	1,279	1,245	1,330	1,309	1,425	1,361	1,193	875	698	657	13,162	
412.	2310	996	1,178	1,553	1,512	1,615	1,590	1,730	1,652	1,448	1,062	848	797	15,981	
413.	2212	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
414.	2325	337	399	526	512	547	538	586	560	491	360	287	270	5,413	
415.	2327	648	767	1,011	985	1,052	1,035	1,127	1,076	943	692	552	519	10,407	
416.	2094	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
417.	2135	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
418.	2221	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
419.	2050	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
420.	2133	1,638	1,938	2,555	2,487	2,657	2,615	2,846	2,719	2,383	1,747	1,394	1,312	26,292	
421.	2311	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110	
422.	2238	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
423.	2137	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
424.	2142	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
425.	2189	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
426.	2206	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
427.	2244	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
428.	2249	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
429.	2250	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
430.	2072	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
431.	2277	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
432.	2279	427	505	665	648	692	681	741	708	620	455	363	342	6,847	
433.	2045	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
434.	2092	301	356	470	457	489	481	523	500	438	321	256	241	4,833	
435.	2151	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
436.	2070	712	842	1,110	1,081	1,155	1,136	1,236	1,181	1,035	759	606	570	11,422	
437.	2214	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666	
438.	2231	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
439.	2271	381	451	595	579	619	609	663	633	555	407	325	305	6,122	
440.	2293	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
441.	2295	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244	
442.	2298	903	1,069	1,409	1,372	1,466	1,442	1,570	1,499	1,314	964	769	723	14,499	
443.	2275	1,606	1,900	2,505	2,438	2,605	2,564	2,790	2,665	2,336	1,713	1,367	1,286	25,776	
444.	2376	771	912	1,202	1,170	1,251	1,231	1,339	1,279	1,121	822	656	617	12,373	
445.	2248	502	594	783	762	814	801	872	833	730	535	427	402	8,055	
446.	2331	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366	
447.	2323	1,526	1,805	2,379	2,317	2,475	2,436	2,651	2,532	2,219	1,628	1,299	1,222	24,488	
448.	1602	502	594	783	762	814	801	872	833	730	535	427	402	8,055	

Unitil Energy Systems, Inc. Schedule DJD-1 365
 Net Metering Accounts End of Month Date 1/31/2019 2/28/2019 3/31/2019 4/30/2019 5/31/2019 6/30/2019 7/31/2019 8/31/2019 9/30/2019 10/31/2019 11/30/2019 12/31/2019
 Displaced Distribution Test Year EOMD 1/31/2015 2/28/2015 3/31/2015 4/30/2015 5/31/2015 6/30/2015 7/31/2015 8/31/2015 9/30/2015 10/31/2015 11/30/2015 12/31/2015
 Revenue Calculation **Estimated kWh Generated**

Sequence	GID ID	Est. kWh Generated	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
			100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023
			522	617	814	792	847	833	907	866	759	557	444	418	8,377
673.	3241														
674.	3313														
675.	3240														
676.	3227														
677.	3144														
678.	3319														
679.	3297														
680.	3343														
681.	3300														
682.	3349														
683.	3308														
684.	3368														
685.	3442														
686.	2891														
687.	3380														
688.	2890														
689.	3239														
690.	3337														
691.	3398														
692.	3450														
693.	3421														
694.	3396														
695.	3397														
696.	3459														
697.	3447														
698.	3393														
699.	3412														
700.	3435														
701.	3491														
702.	3513														
703.	3390														
704.	3449														
705.	3496														
706.	3545														
707.	3452														
708.	3500														
709.	3522														
710.	3472														
711.	3597														
712.	3577														
713.	3407														
714.	3523														
715.	3425														
716.	3552														
717.	3589														
718.	3379														
719.	3568														
720.	3587														
721.	3569														
722.	3654														
723.	3614														
724.	3558														
725.	3512														
726.	3566														
727.	3521														
728.	3544														

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Sequence	GID ID	Est. kWh Generated	PVWatts Data per kW-AC												Total 2019
			Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	
729.	3499	100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023	
730.	3606						690	1,325	1,266	1,110	814	649	611	6,465	
731.	3373						792	1,988	1,899	1,664	1,221	974	916	9,454	
732.	3578						731	3,976	3,798	3,329	2,441	1,948	1,833	18,056	
733.	3576						321	1,744	1,666	1,460	1,071	854	804	7,919	
734.	3109						162	1,325	1,266	1,110	814	649	611	5,937	
735.	3605							1,283	1,266	1,110	814	649	611	5,732	
736.	3690							1,631	1,666	1,460	1,071	854	804	7,486	
737.	3704							1,631	1,666	1,460	1,071	854	804	7,486	
738.	3600							1,240	1,266	1,110	814	649	611	5,689	
739.	3604							788	1,014	889	652	520	490	4,353	
740.	3584							4,861	7,196	6,307	4,626	3,691	3,472	30,153	
741.	3446							1,625	2,532	2,219	1,628	1,299	1,222	10,524	
742.	3579							1,026	1,899	1,664	1,221	974	916	7,700	
743.	3726							313	1,159	1,016	745	595	559	4,388	
744.	3567							324	1,199	1,051	771	615	579	4,539	
745.	3703							236	1,166	1,022	750	598	563	4,335	
746.	3658							113	1,666	1,460	1,071	854	804	5,967	
747.	3548								776	1,110	814	649	611	3,959	
748.	3744								1,103	1,664	1,221	974	916	5,878	
749.	3670								789	1,191	874	697	656	4,207	
750.	3756								735	1,664	1,221	974	916	5,510	
751.	3615								268	911	668	533	502	2,882	
752.	3779								210	1,143	838	669	629	3,490	
753.	3762								103	561	411	328	309	1,712	
754.	3780								39	350	257	205	193	1,044	
755.	3693									467	411	328	309	1,515	
756.	3810									1,355	1,242	991	932	4,520	
757.	3510									1,128	1,182	943	887	4,141	
758.	3784									6,158	7,131	5,691	5,353	24,333	
759.	3799									799	925	738	694	3,157	
760.	3857									1,257	1,628	1,299	1,222	5,405	
761.	3793									504	652	520	490	2,166	
762.	3797									533	838	669	629	2,670	
763.	3798									238	874	697	656	2,465	
764.	3816									292	1,071	854	804	3,021	
765.	3699									224	822	656	617	2,320	
766.	3721									234	1,713	1,367	1,286	4,600	
767.	3668									146	1,071	854	804	2,875	
768.	3811										394	325	305	1,024	
769.	3666										622	513	482	1,617	
770.	2851										477	513	482	1,472	
771.	3830										106	154	145	404	
772.	3827										201	554	521	1,276	
773.	3669										86	706	664	1,455	
774.	3841										53	649	611	1,313	
775.	3851										56	694	653	1,403	
776.	3691										73	897	844	1,814	
777.	3824										21	513	482	1,016	
778.	3821										22	555	522	1,100	
779.	3835											314	305	619	
780.	3822											563	611	1,174	
781.	3848											492	579	1,071	
782.	3834											1,310	1,608	2,918	
783.	3924											313	402	715	
784.	3783											383	676	1,059	
												347	653	1,000	

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Days in Month
End of Month Date
Test Year EOMD
Estimated kWh Generated

Schedule DJD-1
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Sequence	GID ID	Est. kWh Generated	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
			100.38	118.74	156.54	152.40	162.84	160.26	174.40	166.58	145.99	107.07	85.44	80.38	1,611.023
		PVWatts Data per kW-AC													
785.	3886														466
786.	3860														664
787.	3861														1,117
788.	3875														849
789.	3852														1,046
790.	3873														827
791.	3893														663
792.	3656														539
793.	3929														1,046
794.	3955														859
795.	3595														697
796.	3607														1,352
797.	3894														1,458
798.	3862														552
799.	3763														532
800.	3832														3,920
801.	3960														327
802.	3910														327
803.	3781														394
804.	3806														493
805.	3912														374
806.	3883														308
807.	3831														276
808.	3864														337
809.	3877														224
810.	3892														560
811.	3905														70
812.	3842														174
813.	3982														79
															52
Total			684,433	807,868	1,066,580	1,040,979	1,135,389	1,120,656	1,230,127	1,173,901	1,030,253	751,714	583,460	541,455	11,166,814

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
1.	749				-342	-3	-702	-116						-345
2.	759		-203		-442	-138		-159				-42		-1,643
3.	648		-126		-361	-98		-367	-41					-785
4.	743				-124	-24	-440		-207	-129				-1,291
5.	647				-100									-100
6.	751				-188	5	-356	-94						-643
7.	690				-3		-54	-116		-60				-233
8.	668													-275
9.	550	-2,918	-3,982	-4,759	-4,457	-4,232	-3,896	-4,206	-4,265	-1,472	-1,340	-1,448	-2,485	-39,460
10.	722						-232	-154	-211	-195				-792
11.	620					-434	-913	-806	-201	-534	-428			-3,316
12.	782		-10		-270	-163	-334	-320	-206	-284	-44			-1,631
13.	680				-243	-193	-309	-179	-149	-210	-104			-1,387
14.	684				-123	-63	-78							-264
15.	739		-8		-311	-139	-372	-236	-163	-124				-1,353
16.	809							-26						0
17.	702				-186	-45								-26
18.	775				-978	-626	-1,089	-836	-538	-635	-663	-374		-6,177
19.	876/916		-33	-405										0
20.	822				-1,040	-1,460	-2,055	-2,476	-2,568	-2,007	-1,513	-1,157	-796	-18,439
21.	790	-877	-1,430	-1,060	-523	-251	-441	-390	-250	-337	-317	-118		0
22.	837				-935	-817	-1,575	-2,250	-1,795	-1,093	-437			-2,813
23.	610		-186		-284	-158	-735	-438	-275	-298	-247			-8,902
24.	899				-165	-62	-228	-180	-22	-241	-103			-2,435
25.	897				-332	-47	-316	-617	-214	-441	-246			-1,032
26.	740		-31		-47		-69							-2,166
27.	904				-73		-105	-67	-21					-116
28.	914				-696	-112	-293	-293	-176					-266
29.	875				-129		-116					-365		-1,878
30.	898		-236		-237	-133	-237	-147		-107	-43			-245
31.	893		-189		-201	-133	-122					-3		-1,297
32.	673				-520	-63	-670	-504	-139	-259	-333	-163		-122
33.	860				-6,431	-7,420	-7,286	-8,640	-7,816	-6,115	-4,391	-1,549		-2,814
34.	933				-204	-40	-20							-80
35.	950				-171		-119	-146	-141	-162	-94			-265
36.	810	-2,638	-4,098	-6,032	-171	-284	-506	-186	-526	-362	-119			-833
37.	882		-1		-214	-184	-464	-551	-637	-480	-148			-1,416
38.	923				-417	-388	-464	-607	-607	-480	-244			-2,449
39.	931				-153		-279	-449	-263	-320	-104			-3,237
40.	674				-863	-457	-675	-19	-334	-334	-556	-229		-250
41.	788				-353	-301	-502	-375	-205	-232	-209			-1,568
42.	947				-45		-202	-109	-82	-55				-3,483
43.	930				-60		-316	-407	-414	-619	-309	-68		-2,262
44.	983/3661		-15				-132							-448
45.	925				-60	-260	-905	-1,281	-1,124	-960	-413	-118		-2,208
46.	824				-261	-248	-303	-423	-200	-87				-132
47.	912				-120	-104	-179	-193	-207	-112				-5,121
48.	1018				-246	-175	-497	-60	-419	-371				-250
49.	966				-314	-160	-433	-419	-371	-325				-1,568
50.	957													-1,568
51.	1052													-3,483
52.	832													-2,262
53.	880													-448
54.														-2,208
55.														-132
56.														-5,121
														0
														-1,522
														-1,530
														-918
														-113
														-978
														-2,139

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
57.	911				-496	-1,273	-1,681	-2,261	-2,084	-1,663	-1,014			-10,472
58.	1011				-494	-238	-692	-687	-528	-488	-366	-135		-3,608
59.	902				-117		-217	-87						-421
60.	1009			-83	-518	-243	-263			-114	-38	-48		-1,307
61.	1019				-317	-135	-343	-474	-376	-288				-1,933
62.	1061				-100		-241	-214	-58	-262	-67			-942
63.	1093						-39							-39
64.	1118				-199	-146	-350							-695
65.	1132				-319		-231	-338	-399	-529	-230	-113		-2,159
66.	905													0
67.	924													0
68.	1154				-55		-163							-218
69.	1034				-59	-219	-506			-147				-931
70.	908			-19	-416	-71	-254			-4				-764
71.	1270				-318	-70	-98	-42	-129					-657
72.	842			-48	-2,276	-3,630	-3,046	-2,894	-2,675	-2,127	-725			-17,421
73.	1062			-62	-256	-75	-124	-4		-316				-837
74.	1220													0
75.	1099			-55	-279		-97				-45			-379
76.	913				-290	-5	-45							-392
77.	1155						-257			-43				-45
78.	1051			-29	-382	-73	-194							-849
79.	1102				-113		-194							-307
80.	1193			-43	-320	-199					-177	-1		-740
81.	1008				-70	-70	-1,355	-1,167	-997	-108				-3,697
82.	1131				-32	-32	-1,096	-1,425	-1,249	-1,174	-518			-5,494
83.	1275				-267	-96	-367	-125	-53	-275	-98			-1,228
84.	1181			-125	-411	-233	-522	-237		-238		-76		-2,153
85.	1074				-261	-175					-47			-483
86.	1241				-337	-199	-366	-187	-1					-1,090
87.	1309						-346	-159	-180	-118				-803
88.	1346				-387	-301	-525	-230		-219	-207	-37		-1,906
89.	1196						-82	-59						-141
90.	1208						-381	-524	-377	-396	-145			-1,823
91.	1279				-70	-169	-304	-70		-34	-129			-776
92.	1327				-307	-281	-169	-29			-72			-901
93.	1201				-6		-590	-592	-498	-494	-329			-2,509
94.	1144				-210	-91	-327	-30		-109				-767
95.	1298			-73	-187	-162	-108	-108	-114	-127	-66	-17		-1,050
96.	1077				-78	-80	-497	-547	-673	-369	-187			-2,438
97.	766													0
98.	1216				-147	-83	-354	-63	-143	-8				-798
99.	1284				-202	-323	-587	-707	-596	-358	-412	-101		-3,286
100.	1069				-170	-126	-349	-169	-52	-141	-161	-73		-1,241
101.	783				-1,969	-2,946	-2,946	-5,390	-3,212	-1,307				-14,824
102.	1249			-128	-673	-415	-115							-1,331
103.	1277				-356	-188	-411	-611	-474	-286	-128			-2,454
104.	1143			-145	-811		-561	-768	-723	-703	-921			-4,632
105.	1217				-352	-352	-842	-361	-132	-129				-1,816
106.	1363				-380	-227	-436	-350	-71	-211	-222	-86		-1,983
107.	1412				-68		-30							-98
108.	1100			-227	-603	-486	-733	-607	-279	-393	-419	-187		-3,934
109.	1081			-125	-277		-389	-166	-96	-264	-102			-1,419
110.	1188				-378	-272	-585							-1,235
111.	1190			-9	-141	-85	-310			-253	-145	-47		-990
112.	1265				-155		-203							-358

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019		
113.	1297				-222	-158	-572					-71		-1,023		
114.	1387													0		
115.	1454				-132	-695	-789	-670	-938	-817	-508	-95		-5,227		
116.	1449/1565					-309	-719	-328	-266	-206	-22			-2,711		
117.	1269					-63	-479	-532	-460	-355	-192			-2,018		
118.	1271				-31	-119	-135	-128	-77	-89	-69	-11		-722		
119.	1280													0		
120.	1288													0		
121.	1120													0		
122.	1046													0		
123.	1287				-40	-26	-134	-103	-102	-77	-47			-729		
124.	1299					-141	-311	-340	-275	-279	-132			-1,716		
125.	1179					-92	-212	-152						-480		
126.	1146				-330	-800	-1,229	-474	-374	-413	-537	-217		-5,461		
127.	1254					-124	-751	-436	-63	-251	-102			-1,727		
128.	1238					-67	-280	-324	-197	-181	-45			-1,266		
129.	1286				-50		-177	-81	-130					-438		
130.	1437				-209	-21	-314	-262						-1,193		
131.	1010					-157	-262							-909		
132.	1268				-93	-116	-356	-266	-266	-269	-257			-1,623		
133.	1342				-352	-143	-497	-262		-45				-1,299		
134.	1416													0		
135.	1436				-284	-95	-461	-310	-95	-335	-259			-1,839		
136.	1082				-277	-198	-320	-42	-54	-6	-103	-42		-1,160		
137.	1294				-75	-84	-534	-694	-604	-550	-317			-2,858		
138.	1345						-265	-803	-600	-505	-45			-2,218		
139.	1386				-174	-188	-331	-19	-112	-89	-172	-64		-1,484		
140.	1393													0		
141.	1435				-37	-426	-116	-15						-168		
142.	1389				-799	-426	-828	-878	-885	-804	-556	-252		-5,810		
143.	1460						-246	-354	-318	-244				-1,162		
144.	1350/3351				-294	-816	-1,772	-2,108	-2,584	-2,840	-3,233	-2,735	-1,713	-1,000	-212	-21,943
145.	1145				-221	-92					-45				-358	
146.	1156													-199		
147.	1326				-440	-328	-454	-404		-153	-145			-1,924		
148.	1339						-755	-997	-802	-552	-153			-3,259		
149.	1103				-35	-74	-579	-492	-336	-299	-90			-1,905		
150.	1104				-1		-79							-80		
151.	1105						-30							-30		
152.	1194				-637	-515	-782	-356	-102	-275	-228	-56		-2,951		
153.	1245				-517	-267	-328							-1,112		
154.	1213				-289	-323	-640				-175			-1,427		
155.	1258				-246	-125	-300	-149	-16	-181	-39			-1,056		
156.	1262				-6	-19	-141							-166		
157.	1276													0		
158.	1325													0		
159.	1344													0		
160.	1242/3735						-201	-154	-175	-751	-509			-1,790		
161.	1475													0		
162.	1489				-584	-367	-681	-313	-467	-251	-382	-185		-3,594		
163.	1476				-70	-27	-215	-291	-318	-250	-147			-1,318		
164.	1273				-42		-140							-182		
165.	1251				-258	-201	-347	-221	-81	-161	-108	-26		-1,403		
166.	1516				-153		-167	-451	-351	-169	-43			-365		
167.	1264				-46		-167	-404	-404	-94				-1,513		
168.	1267						-235	-350	-376	-389				-1,350		

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169.	1021	-447	-689	-1,173	-959	-1,142	-1,280	-1,293	-1,659	-1,558	-851			-11,051
170.	1324													0
171.	1583													0
172.	1484				-351	-192	-589	-553	-253	-298				-2,236
173.	1075													0
174.	1166				-1,760	-2,960	-4,960	-800	-640	-3,760				-14,880
175.	1373													0
176.	1417			-52	-546	-319	-570	-364	-47	-181	-10			-2,089
177.	1340						-47			-39	-134	-92		-312
178.	1368				-692	-702	-1,208			-284	-43			-2,929
179.	1444	-261		-53	-842	-555	-722					-306		-2,739
180.	1252			-56	-270	-257	-437					-63		-1,346
181.	1465													0
182.	1551				-420	-303	-519	-558	-519	-375	-259	-62		-3,015
183.	1614				-238	-274	-380							-892
184.	1161				-320	-387								-707
185.	1557				-118	-401	-820	-629	-380	-237	-243	-303		-3,131
186.	1541				-1,280	-2,960	-4,200	-4,560	-3,800	-1,960				-18,760
187.	1617				-222	-204	-350	-274	-303	-202	-151	-132		-1,838
188.	1648					-80	-161	-175	-50	-97				-563
189.	1522													0
190.	1640													0
191.	1658													0
192.	1688				-235	-170	-348	-296	-182	-160				-1,391
193.	1210													0
194.	1537					-74	-233							-307
195.	1548						-45	-94		-48				-187
196.	1656						-129							-129
197.	1604					-1	-156							-246
198.	1408				-89		-234	-383	-809	-228				-1,752
199.	1418				-98	-772	-769	-472	-518	-548	-193			-4,114
200.	1576				-670		-144							-144
201.	1620						-135			-142				-277
202.	1488				-298	-359	-365	-180	-204	-244	-73			-2,071
203.	1643				-146	-126	-197			-20				-489
204.	1509													0
205.	1361				-5	-151	-78							-234
206.	1399/3347				-70		-314	-409	-413	-370	-187			-1,890
207.	1722				-309	-350	-375	-369	-335	-296	-140			-2,614
208.	1172				-295	-77	-30			-92				-199
209.	1357													0
210.	1485						-323							-496
211.	1553				-398	-345	-103			-80				-926
212.	1582				-494	-507	-674	-230	-225	-197	-7			-2,334
213.	1616					-119	-136			-205				-460
214.	1689				-58	-76	-134							-268
215.	1718				-230	-228	-513	-198	-240	-329	-68			-1,930
216.	1776													0
217.	1596									-28				-28
218.	1853				-52	-148	-186			-153				-727
219.	1400				-36	-482	-570	-219	-149	-391	-167			-2,699
220.	1383													0
221.	1195						-112							-112
222.	1263						-232							0
223.	1546				-112	-380	-232			-109				-1,320
224.	1695				-309	-256	-233			-293				-1,556

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225.	1517				-216	-248	-256	-108	-102	-173				-1,103
226.	1110		-393	-1,757	-1,774	-1,874	-1,847	-1,709	-1,508	-1,659	-447	-316	-57	-14,287
227.	1391				-188	-362	-303	-174		-200				-1,227
228.	1296			-82	-262	-287	-279	-116	-148	-53				-1,227
229.	1712				-567	-838	-941	-939	-606	-477	-55			-4,423
230.	1341			-321	-461	-575	-410		-40					-1,807
231.	1710				-73	-207	-195	-226		-107				-299
232.	1715				-107	-207	-195							-616
233.	1788			-60	-552	-733	-638		-630	-376	-259	-55		-3,095
234.	1448				-186	-299	-494	-645		-566	-285	-89		-3,194
235.	1428													0
236.	1474				-94	-202	-223	-96		-132				-332
237.	1491				-243	-306				-53				-572
238.	1073													-549
239.	1691													0
240.	1925				-165	-221	-220	-338		-152				-386
241.	1539			-63	-176	-140	-222		-298	-401	-9			-1,472
242.	1588				-14				-172					-949
243.	1544				-11									-11
244.	1697			-242	-444	-733	-262				-268			-1,949
245.	1849													0
246.	1606													0
247.	1731			-125	-492	-387	-582	-441	-127	-106	-115			-2,375
248.	1877				-96	-96	-543	-557	-617	-311				-2,124
249.	1930			-91	-313	-391	-518	-618	-578	-466	-280	-5		-3,260
250.	1783													0
251.	1657				-52	-193	-156							-401
252.	1693						-18			-21				-39
253.	1706													0
254.	1808				-349	-571	-402	-81	-161	-163				-1,727
255.	1558			-90	-399	-529	-559	-75	-209	-239	-89			-2,189
256.	1698				-127	-127	-210	-24	-11	-27				-399
257.	1754													0
258.	1837				-59	-81	-90							-234
259.	1746				-306	-426	-443	-397	-220	-266				-2,058
260.	1951			-18	-139	-266	-266	-337	-374	-380				-1,885
261.	1960			-187	-289	-231	-105	-27	-60	-66				-965
262.	1599									-8				-8
263.	1615						-697	-674	-526	-440				-2,514
264.	1672						-64			-192				-379
265.	1794			-7	-332	-405	-360	-142	-162	-272	-26			-1,776
266.	1859			-172	-371	-409	-296	-215	-316	-146				-1,925
267.	1941						-50							-50
268.	1700				-112	-138	-204	-250	-128	-196	-3			-839
269.	1809						-111	-132	-143	-202				-788
270.	1694			-57	-156	-265	-359			-100				-1,039
271.	1702				-119	-147				-288	-195			-595
272.	1703				-428	-435	-430	-80						-2,432
273.	1769													0
274.	1771													0
275.	1796			-134	-453	-442	-229	-6	-45	-111				-1,420
276.	1199													0
277.	1701				-166	-217	-298							-681
278.	1819			-190	-400	-466	-454	-136	-98	-201	-196			-2,556
279.	1940													-11
280.	1972				-552	-714	-468	-220	-422	-551	-173			-3,628

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281.	1068/2738													0
282.	1503													-2,442
283.	1669													-1,254
284.	1742													-774
285.	1671													-1,095
286.	1865													-76
287.	1829													-2,049
288.	1894													-3,294
289.	1727													-2,388
290.	1619													-493
291.	1903													-1,050
292.	1797													0
293.	1860													-340
294.	1550													0
295.	1699													-5,006
296.	1708													-1,485
297.	1726													-848
298.	1733													-777
299.	1943													-2,842
300.	1717													-244
301.	1827													-2,455
302.	1828													-378
303.	1881													-1,685
304.	1741													-994
305.	1846													-468
306.	2013													-612
307.	1696													0
308.	1705													-1
309.	1802													-2,236
310.	1998													-2,940
311.	1525													-936
312.	1709													-667
313.	1870													-259
314.	1921													-1
315.	2005													-48
316.	2033													-1,745
317.	1674													-1,407
318.	1887													-197
319.	1523													-5,485
320.	2006													-651
321.	1832													-531
322.	1861													-671
323.	2101													-854
324.	1900													0
325.	2003													-3,067
326.	1711													-2,519
327.	1923													-1,906
328.	2027													-1,844
329.	1724													-2,396
330.	2055													-1,247
331.	1842													-2,513
332.	1924													-64
333.	2026													-634
334.	1641													0
335.	2081													-2,707
336.	1407													0

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Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
337.	2014			-39	-206		-259	-58	-76					-245
338.	2064					-217	-339	-300	-298	-293	-126			-393
339.	2146		-32	-84	-132									-1,821
340.	2075			-70	-57									-127
341.	1690					-686	-519	-287	-703	-992	-498	-97		0
342.	2138		-338	-695	-659									-5,474
343.	2074													0
344.	2034				-23	-159	-239	-34	-9	-97				0
345.	2144				-66		-8							-561
346.	2106				-53	-118	-263	-97	-128	-142				-74
347.	2087				-623	-659	-153	-194						-801
348.	1964				-4	-51	-194	-121						-1,473
349.	2107			-19										-668
350.	2132				-244	-259	-455	-547	-558	-395	-221	-44		-503
351.	1798			-200	-340	-397	-405	-6	-224	-230	-92			-3,157
352.	1826			-115	-221	-339	-552	-37						-1,632
353.	2114	-101	-339	-1,316	-1,204	-721								-4,765
354.	1450				-52	-114	-252	-63	-6	-112				-37
355.	1908				-184	-340	-339	-256	-227	-248				-599
356.	2127				-228	-395	-395	-273	-231					-1,594
357.	2149				-36	-349	-500	-598	-782	-730	-373			-1,127
358.	2158			-137	-218	-196	-203							-3,368
359.	1955				-150	-327	-145							-916
360.	2046													-162
361.	1687													-373
362.	1920													-690
363.	1931													0
364.	1982	-144	-308	-374	-405	-331	-169	-331						0
365.	1928				-189	-625	-720							-2,309
366.	1949					-62	-105	-132	-39	-17				-1,534
367.	1995					-55	-433	-512	-560	-428	-327	-194		-355
368.	2002			-16	-120	-163	-106							-2,562
369.	2073				-204	-242								-490
370.	2197			-9	-238	-163	-295	-144	-15	-149	-94			-704
371.	2066				-205	-319	-405	-271	-271	-205				-1,033
372.	2169					-83	-647	-794	-625	-537	-77			-2,079
373.	1948			-89	-317	-414	-441	-160	-63	-423	-89			-2,763
374.	2209					-48								-1,996
375.	768/1906					-599	-216							-87
376.	1957					-446	-495	-148	-258	-905	-284			-1,720
377.	1978				-167	-100	-315							-2,146
378.	2001													-826
379.	2018					-514	-429	-577	-294	-501	-244			0
380.	2039		-169	-386	-523		-3							-3
381.	2044													-3,393
382.	2102													-10
383.	2208													0
384.	2029													0
385.	2078		-15	-709	-711	-107	-195	-349	-518	-361	-32			-1,581
386.	2201					-414	-8							-1,978
387.	2227													0
388.	2216													0
389.	2118													-1,683
390.	2211													-1,310
391.	1714													-8,728
392.	2058													-2,024
														-2,352
														-368

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Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
393.	2071													0
394.	2082								-128					-128
395.	2187			-92	-190	-311	-360	-107	-110	-47				-1,217
396.	2194			-63	-349	-373	-207							-992
397.	2203				-181	-314	-433	-58						-986
398.	2223				-146	-162								-308
399.	2254			-64	-99	-74	-60	-95	-20	-28				-440
400.	2134													0
401.	2143									-8				-8
402.	2247				-361	-532	-528		-19					-1,440
403.	2037				-244	-105	-286							-635
404.	2266				-355	-685	-850	-1,028	-842	-730				-4,833
405.	2196			-402	-716	-37					-343			-2,202
406.	2154					-62	-493			-208		-134		-763
407.	2309													0
408.	2252			-139	-181	-221	-88							-677
409.	2172					-65								-65
410.	2222													0
411.	2297			-23	-480	-464	-401	-53	-15	-266				-1,702
412.	2310													0
413.	2212				-112	-175	-241	-77	-108	-156				-891
414.	2325				-51	-167	-167	-240	-166	-70				-861
415.	2327				-300	-203	-199		-94	-149				-945
416.	2094													0
417.	2135				-41		-129							-41
418.	2221			-92	-322	-314								-1,005
419.	2050													0
420.	2133			-23	-402	-682	-1,238	-1,649	-1,644	-1,064				-6,702
421.	2311					-20	-148	-226						-394
422.	2238					-79	-826	-1,014	-912	-536				-3,371
423.	2137				-69	-113								-182
424.	2142			-109	-467	-111	-165							-1,438
425.	2189					-5								-5
426.	2206			-8	-81	-92	-56							-479
427.	2224				-165	-23	-315	-216	-220	-348				-1,324
428.	2249				-165		-82	-42						-332
429.	2250													0
430.	2072													0
431.	2277						-653	-553	-564	-509				-2,381
432.	2279						-27		-1					-28
433.	2045			-22	-121	-348	-322	-204	-242	-265				-1,949
434.	2092													0
435.	2151				-7	-219	-242							-513
436.	2070			-58	-442	-485	-217		-6	-39				-1,460
437.	2214			-186	-289	-353	-402							-1,437
438.	2231			-304	-502	-671	-732	-777	-741	-718				-5,286
439.	2271				-307	-56	-191							-56
440.	2293			-33	-294	-191								-844
441.	2295													0
442.	2298													-129
443.	2275				-266	-451	-225							-1,069
444.	2376						-91	-62	-30					-183
445.	2248				-106	-78	-158	-110	-149	-124				-725
446.	2331				-355	-703	-693							-2,097
447.	2323					-120	-398	-354	-321	-370				-1,656
448.	1602													0

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449.	1932			-51	-146	-502	-470			-88				-1,257
450.	1511						-26	-56	-30	-213				-325
451.	2171			-238	-82	-58								-378
452.	2288		-9	-77	-356	-310	-259	-86	-30	-85				-1,232
453.	2184					-69	-139		-60	-171				-439
454.	2389			-147	-112	-77	-140	-209	-189	-240				-1,114
455.	2307			-187	-389	-323	-290	-193	-168	-153	-37			-1,740
456.	2264													0
457.	2276				-298	-820	-432	-626	-977	-647	-23			-3,823
458.	2324				-201	-337	-563	-594	-531	-468	-137			-2,831
459.	2261				-678	-606	-354	-312		-234	-180			-2,364
460.	2339				-47									-47
461.	2220		-38	-377	-462	-537	-597	-46	-187	-464	-79			-2,787
462.	2257			-20	-12									-32
463.	1914				-226	-310	-789	-125		-80				-616
464.	2025			-478	-654	-916	-546	-584	-638	-650	-379			-3,991
465.	2347					-36	-20			-586				-2,390
466.	2152													-20
467.	2299			-47	-278	-53	-330	-96	-21	-113				-809
468.	2303			-1	-193	-280	-279	-79		-212	-88			-900
469.	2383						-1,754	-2,233	-2,324	-1,644	-856	-269		-658
470.	2390		-752	-1,231	-1,550	-1,469	-1,177							-15,775
471.	2398			-206	-350	-166	-436		-238	-452	-152			-1,398
472.	2191			-90	-292	-249	-836	-60	-636	-630	-130			-2,144
473.	2356			-157	-639	-852	-205							-3,940
474.	2213				-13	-129	-205		-89					-347
475.	2457					-74	-66							-229
476.	2265													0
477.	2334													-113
478.	2382													-1,179
479.	2217			-255	-279	-305	-289	-920	-160	-40				-2,480
480.	2285				-150	-339	-379	-370	-308	-344	-33			-1,923
481.	2287				-136	-153	-247	-160		-168				-1,016
482.	2336			-121	-134	-149	-144	-101	-150	-71	-8			-878
483.	1950				-225	-258	-319	-222	-1	-255				-1,280
484.	2406					-221	-88							-309
485.	2262													0
486.	2258				-274	-403	-336	-89	-87	-292	-106			-1,674
487.	2242							-41	-380	-747	-180			-1,348
488.	2342					-134	-367	-217	-144					-862
489.	2335		-238		-571	-592	-602	-574	-707	-558	-224	-204		-5,102
490.	2272			-95	-319	-320	-249	-406	-403	-12				-1,262
491.	2366			-366	-224	-223	-249	-176	-157	-336	-122			-2,329
492.	2489						-15			-99				-447
493.	2430				-13	-92	-389	-430	-539	-140				-1,603
494.	2232/3058					-56	-224							-280
495.	2358						-84		-108	-236				-428
496.	2399						-329	-244	-186	-52				-811
497.	2478				-2	-185	-375	-171	-84	-100				-917
498.	2461			-135	-291	-228	-95	-137	-28	-340	-7	-45		-1,557
499.	2498													0
500.	2374		-403	-1,042	-1,663	-1,795	-1,746	-2,142	-2,197	-1,861	-1,417	-870	-492	-17,213
501.	2465			-50	-131	-78	-220	-215	-186	-173	-118	-32		-1,462
502.	2491					-68	-341	-29		-96				-771
503.	2499				-154	-102	-41							-297
504.	2490				-125	-349	-356	-183	-354	-365	-140			-1,882

Unitil Energy Systems, Inc.
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Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
505.	2504				-448	-413	-147	-199	-316	-279				-2,088
506.	2524			-286	-479	-476	-462	-389	-225	-259		-80		-3,184
507.	2535		-147	-275	-184	-304	-190	-11	-83	-28				-936
508.	2557				-421	-106	-347	-195	-117	-101				-866
509.	2543			-240	-421	-139	-538	-528	-419	-157		-113		-1,300
510.	2555				-139	-472	-121	-187	-419	-345		-51		-2,492
511.	2548					-62	-637	-526	-732	-555		-383		-370
512.	2481		-192	-158	-1,217	-954	-637	-526	-732	-555				-6,241
513.	2528				-132	-153	-55		-23					-288
514.	2549				-11	-177	-55		-23					-266
515.	2530			-200	-242	-470	-244	-237	-389	-42				-2,153
516.	2410				-242	-163	-219	-327						-709
517.	2597													0
518.	2595				-238	-387	-530	-236	-241	-164				-1,818
519.	2602													0
520.	2048			-268	-421	-1,525	-2,361	-2,198	-1,556	-461				-8,581
521.	2590				-585	-582	-101	-75	-167	-65				-2,635
522.	2565				-243	-265	-233	-128						-1,056
523.	2620				-598	-900	-1,031	-1,005	-643	-41				-4,218
524.	2622					-46	-7							-53
525.	2655				-247	-337	-353		-54	-207				-1,280
526.	2592				-368	-264	-130	-235	-91	-104				-1,332
527.	2621				-441	-18	-163	-138	-125	-47		-5		-1,589
528.	2629				-295	-387	-394	-194	-71	-117				-1,465
529.	2645				-412	-119	-181	-120	-212	-170		-13		-1,335
530.	2700				-200	-316	-314	-347	-361	-138				-1,691
531.	2706					-282	-320	-252	-221	-34				-1,109
532.	2563					-21								-21
533.	2578													0
534.	2630				-543	-570	-252			-58				-1,962
535.	2680				-212	-259	-200		-164					-875
536.	2702				-369	-348			-145					-1,425
537.	2616				-136	-229			-139					-504
538.	2668													0
539.	2676				-286	-431	-587	-544	-288	-25				-3,235
540.	2674				-163	-183	-253	-153	-83	-200				-1,035
541.	2594			-913	-1,285	-1,232	-1,476	-1,483	-1,153	-1,013		-891		-14,040
542.	2710				-392	-509	-713	-834	-643	-282				-3,618
543.	2699				-15	-566	-369	-404	-412	-279				-2,803
544.	2703				-434	-234				-17				-671
545.	2678				-256	-471	-101							-1,208
546.	2696				-295	-295	-362	-355	-237	-136				-1,580
547.	2679				-142	-295	-237	-268	-389	-4				-1,050
548.	2485				-395	-152								-881
549.	2715				-83									-429
550.	2749													0
551.	2778				-412	-615	-606	-511	-321					-3,228
552.	2748/3594				-95	-640	-578	-395	-513	-99				-2,478
553.	2717				-780	-388			-100					-2,099
554.	2757				-340	-388								-874
555.	2547			-16	-167	-257								0
556.	2705				-531	-563								-3,233
557.	2740				-222	-144								-693
558.	2735				-510	-227	-15	-389	-491	-79				-698
559.	2765				-84	-173	-329	-36	-160					-1,955
560.	2759				-291	-393	-596	-150	-291	-422		-22		-1,473

Unitil Energy Systems, Inc.
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Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
561.	2593						-414	-546	-203	-201				0
562.	2693													-1,364
563.	2796						-120							0
564.	2766				-74									-567
565.	2686		-37		-265									-2,093
566.	2754		-88		-467									-1,986
567.	2718				-82		-127	-160	-120	-257				-219
568.	2799				-93		-23	-140	-159	-64				-958
569.	2741				-331		-422	-430	-393	-231				-2,065
570.	2728				-99		-376	-453	-405	-264				-1,599
571.	2866				-155		-293	-165	-119	-150				-1,177
572.	2848				-394		-446	-479	-266	-296				-2,330
573.	2713				-465		-393	-96	-42	-85				-1,949
574.	2777				-481		-753	-566	-105	-259				-3,102
575.	2732				-1,383		-1,500	-932	-1,699	-959				-8,937
576.	2883				-163		-318	-245	-133	-79				-1,173
577.	2840				-227		-162	-7	-679	-106				-890
578.	2719				-331		-502	-736	-489	-489				-2,887
579.	2721				-175		-1,212	-843	-971	-1,053				-5,183
580.	2893				-125		-50	-111	-205					-286
581.	2857				-147		-199	-120						-931
582.	2856				-246		-408	-538						-947
583.	2824				-179		-35	-286						-2,774
584.	2887				-139		-855	-286	-548	-146				-1,511
585.	2787				-73		-129	-405	-324	-275				-1,756
586.	241/2443				-39		-174	-282	-347	-73				-1,184
587.	2786				-15		-405	-531	-261	-244				-1,476
588.	2913				-540		-840	-1,140	-720	-600				-4,920
589.	2737				-331		-624	-774	-808	-449				-4,094
590.	2619				-471		-364	-779	-482	-528				-2,708
591.	2988				-203		-82			-347				-935
592.	243/2745				-178		-457	-144	-83	-88				-1,848
593.	2506				-1,120		-2,200	-144	-83	-88				-12,420
594.	2941						-201	-407	-216	-5,180				-824
595.	2763				-419		-690	-711	-576	-384				-3,118
596.	2894				-259									-1,011
597.	2905				-394		-386	-138	-11					-1,020
598.	2923						-123	-240		-189				-123
599.	2806				-853		-798	-240	-418	-722				-3,120
600.	2816						-501	-518	-418	-221				-2,380
601.	2269				-2,317		-13,775	-15,601	-15,585	-11,343				-104,352
602.	2854				-11,985									0
603.	2994				-434		-566	-331		-299				-2,002
604.	2817						-112	-141	-113	-37				-403
605.	2818							-52	-41	-76				-169
606.	2819						-291	-194		-91				-674
607.	2903									-4				-4
608.	3032				-97		-502	-792	-509	-336				-2,376
609.	2822				-169		-722	-921	-708	-725				-3,864
610.	2823				-137		-361	-296	-195					-1,139
611.	2899				-230		-111		-22	-32				-556
612.	2993				-1,589		-1,467	-3,094	-3,072	-2,679				-12,058
613.	2820				-1,493		-1,774	-2,171	-2,219	-1,629				-17,477
614.	2880				-91		-613	-527	-279	-416				-3,359
615.	2886				-88		-170	-139						-397
616.	2897				-82		-251	-279	-473	-339				-1,497

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Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
617.	2900				-423	-397	-1,019							-1,839
618.	2889			-269	-502	-590	-470			-267	-129			-2,227
619.	3064			-85	-78	-110	-151	-142	-135	-96				-797
620.	3099			-128	-526	-184								-838
621.	2839a	-1,387	-1,636	-1,971	-3,008	-3,183	-3,201	-3,915	-4,041	-3,299	-2,536	-1,740	-1,247	-31,164
622.	2839b	-1,085	-1,260	-1,857	-2,987	-3,215	-3,247	-3,972	-4,087	-3,255	-2,437	-1,568	-1,128	-30,098
623.	3030	-451	-214	-542	-1,081	-1,002	-1,138	-1,667	-1,544	-1,226	-1,196	-536	-465	-11,062
624.	3020				-6	-113	-488	-70	-377	-247	-124			-1,425
625.	2291													0
626.	2870							-82	-167	-64				-313
627.	3073							-588	-468	-382	-175			-1,613
628.	3015				-259	-10								-539
629.	2726				-797	-63	-2,113							-2,973
630.	3029	-13		-121	-504	-336	-615	-623	-464	-434	-436	-133		-3,679
631.	2922				-103	-142	-148	-247	-134	-186	-118			-1,078
632.	2970			-327	-653	-461	-210	-67	-256	-343	-228			-2,545
633.	3096				-139	-13	-13							-152
634.	3082			-249	-436	-274	-433	-452	-350	-334	-254			-2,782
635.	3122				-400	-528	-643	-359	-252	-342	-46			-2,570
636.	2982						-309	-687	-679	-541	-317	-23		-2,556
637.	2734													0
638.	2896			-53	-340	-221	-357	-323	-294	-279	-212	-68		-2,331
639.	3063	-244	-288	-337	-374	-234	-324	-93	-414	-406	-464	-295	-25	-3,498
640.	2730					-209	-209	-49						-258
641.	2515	-246	-643	-764	-1,384	-1,510	-635	-2,017	-1,909	-1,729	-1,062	-764	-216	-12,879
642.	3021			-447	-797	-563	-1,150	-500	-352	-551	-369			-4,729
643.	2907			-334	-882	-659	-1,034	-1,046	-897	-950	-870	-331		-7,116
644.	3106			-326	-580	-301	-493	-214	-192	-191	-269	-85		-2,651
645.	3131													0
646.	3031					-487	-706	-65	-109	-94				-268
647.	1043			-24	-485			-873	-813	-630	-597	-318	-71	-5,255
648.	2898				-192	-258	-299	-258	-241	-58	-58	-123		-680
649.	3145							-216	-504	-325				-1,794
650.	3201						-228							-228
651.	2821						-132	-123						-255
652.	2881													0
653.	3097			-177	-597	-210	-692	-531	-325	-298	-88			-2,918
654.	3068				-1,908	-722	-2,762	-4,277	-3,562	-2,882	-2,574	-367		-19,054
655.	2902			-362	-543	-332	-646	-600	-635					-3,118
656.	3172					-211	-351	-191		-293	-19			-1,065
657.	3108			-290	-723	-524	-658	-491	-45					-2,731
658.	3254			-1	-209		-145	-135	-79	-139				-708
659.	3153			-200	-92	-199	-279	-141	-302	-302				-1,515
660.	3235				-23		-886	-672	-919	-653	-585			-3,738
661.	2760	-635		-952	-1,197	-974	-1,404	-1,094	-949	-1,198	-1,126	-741	-456	-11,381
662.	3277													0
663.	3083			-262	-835	-546	-367							-2,770
664.	2825													0
665.	3228			-16	-265	-76	-357	-240	-235	-194	-29			-1,412
666.	3332				-208									-208
667.	3192				-111		-112	-89						-200
668.	3200			-21	-44		-93	-75		-49				-301
669.	3310	-221	-260	-369	-549	-216	-93	-303	-284	-136	-20	-224		-2,675
670.	3342													0
671.	3226					-469	-1,073	-770	-291	-244				-2,847
672.	3352													0

Unitil Energy Systems, Inc.
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Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
673.	3241			-25	-222	-83	-256			-95	-138			-819
674.	3313													0
675.	3240			-76	-541	-477	-773	-910	-726	-421	-154			-4,078
676.	3227						-37	-116						-153
677.	3144			-108	-324	-24	-304	-367	-393	-262	-244			-2,026
678.	3319				-109	-13	-214			-111	-23			-470
679.	3297				-185	-35	-410	-443	-490	-265	-164			-1,992
680.	3343				-116	-154	-124	-59	-123	-263				-839
681.	3300													0
682.	3349		-17		-221	-149	-355							-919
683.	3308				-484	-329	-904	-516	-324	-337	-350			-3,244
684.	3368			-443	-842	-630	-680	-580	-538	-755	-301	-119		-5,800
685.	3442			-48	-308	-599	-727	-279	-122	-617	-117			-3,214
686.	2891	-1,456	-2,741	-3,358	-3,319	-3,603	-3,605	-4,322	-4,863	-3,834	-2,899	-1,936	-1,472	-37,408
687.	3380	-426			-806	-666	-1,453	-1,541	-1,406	-1,265	-1,112	-8		-8,683
688.	2890		-424	-1,871	-2,289	-3,109	-3,195	-3,262	-3,782	-2,215	-492			-20,639
689.	3239	-547	-200		-532	-217	-1,194	-55			-4			-3,327
690.	3337			-140	-1,199	-1,589	-1,620	-1,755	-1,082	-915	-232			-8,532
691.	3398			-733	-881	-1,106	-1,932	-2,226	-2,365	-1,768	-1,151	-604	-99	-12,865
692.	3450			-23	-663	-503	-486	-338	-344	-198	-60			-2,615
693.	3421				-195		-497	-528	-373	-368	-274			-2,235
694.	3396				-394	-271	-574	-721	-479	-533	-491	-76		-3,539
695.	3397			-101	-956	-561	-1,193	-848	-882	-797	-534			-5,872
696.	3459						-385							-385
697.	3447													0
698.	3393													0
699.	3412			-96	-329	-291	-369	-169	-145	-181	-107			-1,687
700.	3435				-417	-357	-758	-528	-234	-362	-255			-2,911
701.	3491				-260	-210	-407	-478	-569	-376	-305	-142		-2,761
702.	3513			-15	-543	-270	-520	-277	-114	-171	-165			-2,428
703.	3390													0
704.	3449				-891	-1,126	-1,302	-1,255	-3,200	-178	-952	-363		-6,067
705.	3496				-165	-68	-228	-358	-156	-195	-268	-36		-1,474
706.	3545				-690	-658	-726	-861	-897	-741	-336			-5,510
707.	3452			-601	-229	-469	-165	-378	-361	-415				-2,017
708.	3500				-115	-115	-426	-565	-621	-511	-506	-221	-198	-3,163
709.	3522				-93	-93	-917	-789	-537	-700				-3,036
710.	3472				-7,000	-7,000	-7,000	-7,400	-3,200	-3,700	-3,400	-9		-24,700
711.	3597					-243	-605			-218	-262			-1,337
712.	3577													0
713.	3407				-74	-74	-676	-730	-377	-471	-409			-2,737
714.	3523				-28	-28	-359	-102						-489
715.	3425				-1,040	-960	-920	-1,263	-4,160	-2,240	-978	-552	-57	-8,400
716.	3552								-769	-998	-978			-5,537
717.	3589								-254					-371
718.	3379			-5,320	-117		-17,840	-21,200	-19,520	-16,720	-13,320	-10,080	-8,120	-112,120
719.	3568						-636	-34			-126			-796
720.	3587						-732	-829	-354	-390	-315			-2,620
721.	3569						-506	-386	-278	-441	-239			-1,850
722.	3654						-288	-423	-467	-375	-395	-129		-2,077
723.	3614						-342	-40	-40	-15	-45			-397
724.	3558						-122	-572	-448	-62				-1,249
725.	3512													0
726.	3566													0
727.	3521													0
728.	3544						-978	-2,490	-1,921	-1,675	-1,148	-45		-8,257

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Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
729.	3499					-557			-530	-359	-421			-1,867
730.	3606						-276		-276	-633	-889	-417		-2,215
731.	3373					-1,435	-1,414		-1,414	-581	-1,004			-4,434
732.	3578					-956	-920		-920	-837	-442	-133		-3,288
733.	3576					-441	-477		-450	-454	-454			-1,822
734.	3109					-32	-82		-384	-195	-195			-693
735.	3605						-1,233		-615	-550	-550	-206		-2,604
736.	3690					-355	-343		-244	-101	-101			-1,043
737.	3704					-71	-67		-274	-366	-366	-115		-893
738.	3600					-49	-185		-197	-31	-31			-462
739.	3604													0
740.	3584													0
741.	3446													0
742.	3579						-307		-289	-38	-38			-634
743.	3726						-257		-235	-226	-226			-718
744.	3567						-462		-460	-367	-367			-1,289
745.	3703						-13		-59	-53	-53			-72
746.	3658								-84	-50	-591	-214		-137
747.	3548								-50	-458	-458			-855
748.	3744								-472	-351	-351			-458
749.	3670						-60		-196	-303	-303	-193		-883
750.	3756								-455	-367	-367			-692
751.	3615								-172	-217	-217			-822
752.	3779								-77	-174	-174	-41		-430
753.	3762									-88	-88	-64		-315
754.	3780									-1,166	-88	-9		-88
755.	3693													-1,175
756.	3810													0
757.	3510													0
758.	3784									-236	-236	-11		-247
759.	3799									-308	-308			-308
760.	3857													0
761.	3793													0
762.	3797									-162	-203			-365
763.	3798									-254	-266			-520
764.	3816									-78	-78			-78
765.	3699													-55
766.	3721									-314	-565	-55		-879
767.	3668									-12	-64			-76
768.	3811													0
769.	3666													0
770.	2851													0
771.	3830													0
772.	3827													0
773.	3669													0
774.	3841													-108
775.	3851													0
776.	3691													-72
777.	3824													0
778.	3821													-3
779.	3835													-8
780.	3822													0
781.	3848													0
782.	3834													0
783.	3924													0
784.	3783													0

Surplus kWh - customer generated excess

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
785.	3886													0
786.	3860													0
787.	3861													0
788.	3875													0
789.	3852													0
790.	3873													0
791.	3893													0
792.	3656													0
793.	3929												-33	-33
794.	3955													0
795.	3595												-174	-174
796.	3607												-94	-94
797.	3894													0
798.	3862													0
799.	3763													0
800.	3832													0
801.	3960													0
802.	3910													0
803.	3781													0
804.	3806													0
805.	3912													0
806.	3883													0
807.	3831													0
808.	3864													0
809.	3877													0
810.	3892													0
811.	3905													0
812.	3842													0
813.	3982													0
Total		-21,221	-33,972	-83,705	-194,767	-189,643	-313,014	-271,504	-241,797	-227,921	-128,967	-47,328	-22,569	-1,776,408

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
1.	749	50												50
2.	759	213												213
3.	648	175												175
4.	743	264												264
5.	647	227												227
6.	751	496												496
7.	690	185												185
8.	668	259												259
9.	550	2,532												2,532
10.	722	372												372
11.	620	1,144	290											1,434
12.	782	602	280											882
13.	680	602	331											933
14.	684	502	382											884
15.	739	745	567											1,312
16.	809	1,405	1,662	778										3,845
17.	702	602	712	939	183									2,437
18.	775	602	712	939	58									2,312
19.	876/916	1,295	1,499	1,614	524									4,932
20.	822	547	647	853	277									2,324
21.	790	799	553	1,554	63									2,970
22.	837	763	902	1,190	502									3,357
23.	610	828	980	1,105	189									3,103
24.	899	813	962	1,268	176									3,219
25.	897	1,017	1,203	1,586	1,157									4,962
26.	740	417	493	619	446									1,974
27.	904	753	891	1,174	811									3,629
28.	914	412	487	642	578	22								2,140
29.	875	622	736	971	872	130								3,331
30.	898	1,152	1,363	1,561	1,054	190								5,320
31.	893	1,084	1,282	1,691	1,517	340								5,915
32.	673	301	167	269	220	72								1,029
33.	860	723	855	1,127	1,097	794								4,596
34.	933	903	1,069	1,246	852	930								4,999
35.	950	1,084	1,282	1,691	1,646	1,588								7,292
36.	810	3,987	3,739	4,300	3,628	2,634								18,287
37.	882	502	594	782	558	722								3,157
38.	923	402	475	626	439	651	64							2,657
39.	931	587	695	916	571	669	94							3,531
40.	674	602	712	939	700	793	160							3,908
41.	788	838	992	1,307	856	972	223							5,187
42.	947	813	962	1,268	1,234	1,319	476							6,072
43.	930	632	748	986	807	1,026	293							4,493
44.	982	1,079	1,276	1,333	775	1,293	416							6,173
45.	945	542	641	760	470	578	133							3,125
46.	962	316	374	493	480	513	185							2,361
47.	983/3661	803	935	1,237	1,174	1,303	667							6,119
48.	925	813	962	1,268	1,234	1,319	1,166							6,762
49.	824	1,099	1,300	1,714	1,609	1,523	850	123						8,218
50.	912	502	594	783	762	814	801	56						4,312
51.	1018	1,036	1,225	1,616	1,312	1,432	1,351	100						8,072
52.	966	903	1,187	1,565	1,524	1,599	1,229	612						8,620
53.	957	331	392	517	383	433	350	197						2,603
54.	1052	475	562	740	721	770	684	520						4,472
55.	832	627	742	978	707	843	505	714						5,115
56.	880	838	992	1,190	959	1,200	905	661						6,745

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
57.	911	1,606	1,900	2,505	1,942	1,332	883	2,070	0	0	0	0	0	12,239
58.	1011	950	1,123	1,481	948	1,302	824	537	0	0	0	0	0	7,165
59.	902	502	594	783	645	814	584	588	0	0	0	0	0	4,510
60.	1009	777	919	1,129	662	1,017	977	1,350	416	0	0	0	0	7,247
61.	1019	763	902	1,190	841	1,103	875	851	32	0	0	0	0	6,558
62.	1061	432	511	673	555	700	448	536	173	0	0	0	0	4,028
63.	1093	763	902	1,190	1,158	1,238	1,179	1,325	490	0	0	0	0	8,245
64.	1118	669	791	1,043	817	939	718	1,162	716	0	0	0	0	6,857
65.	1132	971	1,149	1,515	1,155	1,575	1,320	1,349	641	0	0	0	0	9,675
66.	905	4,517	5,343	7,044	6,858	7,328	7,212	7,848	5,078	0	0	0	0	51,228
67.	924	602	712	939	914	977	962	1,046	774	0	0	0	0	6,927
68.	1154	799	945	1,246	1,158	1,296	1,113	1,388	1,027	0	0	0	0	8,972
69.	1034	602	712	939	855	758	456	1,046	871	0	0	0	0	6,240
70.	908	1,174	1,389	1,813	1,367	1,834	1,621	2,040	1,949	110	0	0	0	13,298
71.	1270	602	712	939	596	907	864	1,004	870	321	0	0	0	6,817
72.	842	4,015	4,750	6,214	3,820	2,883	3,364	4,082	3,988	793	0	0	0	33,909
73.	1062	602	712	877	658	902	838	1,042	999	122	0	0	0	6,754
74.	1220	993	1,174	1,548	1,507	1,610	1,585	1,725	1,647	770	0	0	0	12,560
75.	1099	518	613	753	507	840	827	900	860	452	0	0	0	6,269
76.	913	903	1,069	1,409	1,082	1,461	1,345	1,570	1,499	920	0	0	0	11,257
77.	1155	604	715	942	917	980	920	1,050	1,003	703	0	0	0	7,835
78.	1051	763	902	1,161	776	1,165	961	1,325	1,266	882	0	0	0	9,201
79.	1102	763	902	1,190	1,045	1,238	1,024	1,325	1,266	1,073	0	0	0	9,826
80.	1193	432	511	630	335	501	689	750	716	628	15	0	0	5,207
81.	1008	5,019	5,937	7,827	7,620	8,072	6,658	7,553	7,332	7,191	1,036	0	0	64,246
82.	1131	1,036	1,225	1,616	1,573	1,648	558	375	470	333	214	0	0	9,047
83.	1275	583	690	910	618	850	564	888	968	573	83	0	0	6,727
84.	1181	602	712	814	503	744	440	809	946	638	11	0	0	6,221
85.	1074	502	594	783	501	639	801	872	833	730	212	0	0	6,467
86.	1241	650	769	1,014	651	856	672	943	1,078	946	425	0	0	8,006
87.	1309	691	817	1,077	1,049	1,120	757	1,041	966	886	452	0	0	8,855
88.	1346	561	664	875	465	609	371	745	931	597	160	0	0	5,978
89.	1196	602	712	939	914	977	880	987	999	876	414	0	0	8,302
90.	1208	763	902	1,190	1,158	1,238	837	801	889	714	380	0	0	8,872
91.	1279	583	690	910	815	777	627	943	968	814	272	0	0	7,400
92.	1327	625	740	975	642	733	829	1,057	1,038	910	358	0	0	7,909
93.	1201	763	902	1,190	1,152	1,238	628	733	768	616	249	0	0	8,238
94.	1144	763	902	1,190	948	1,147	891	1,295	1,266	1,001	683	0	0	10,085
95.	1298	345	335	343	337	398	551	492	459	375	255	0	0	3,891
96.	1077	763	902	1,183	1,080	1,158	721	778	593	741	548	0	0	8,467
97.	766	5,421	6,412	8,453	8,230	8,793	8,654	9,417	8,995	7,883	5,409	0	0	77,668
98.	1216	518	613	808	639	757	473	837	717	745	517	0	0	6,624
99.	1284	647	766	1,010	781	727	447	418	478	584	234	0	0	6,092
100.	1069	502	594	783	592	688	452	703	781	589	357	0	0	6,041
101.	783	5,190	6,139	8,093	7,879	6,450	5,339	3,626	5,400	6,241	5,536	294	0	60,187
102.	1249	1,012	1,197	1,450	863	1,226	1,500	1,758	1,679	1,472	1,079	86	0	13,323
103.	1277	763	902	1,190	802	1,050	807	714	792	824	686	65	0	8,594
104.	1143	1,205	1,425	1,734	1,018	1,954	1,362	1,325	1,276	1,049	364	137	0	12,847
105.	1217	1,144	1,354	1,785	1,737	1,504	985	1,627	1,767	1,535	1,221	130	0	14,789
106.	1363	713	843	1,111	702	929	702	888	1,112	826	538	81	0	8,445
107.	1412	345	408	539	456	560	521	600	573	502	368	49	0	4,922
108.	1100	763	902	963	555	752	485	718	987	717	395	130	0	7,366
109.	1081	763	902	1,065	881	1,238	829	1,159	1,170	846	93	93	0	9,759
110.	1188	1,144	1,354	1,785	1,359	1,584	1,242	1,988	1,899	1,664	1,221	292	0	15,533
111.	1190	381	451	586	438	534	299	663	633	302	262	50	0	4,599
112.	1265	763	902	1,190	1,003	1,238	1,015	1,325	1,266	1,110	814	195	0	10,820

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
113.	1297	1,004	1,187	1,565	1,302	1,470	1,031	1,744	1,666	1,460	1,000	256	0	13,685
114.	1387	583	690	910	885	946	931	1,013	968	848	622	149	0	8,546
115.	1454	777	919	1,080	597	565	451	680	351	313	321	103	0	6,157
116.	1449/1565	1,526	1,805	2,379	1,456	2,166	1,717	2,323	2,266	2,013	1,606	390	0	19,646
117.	1269	602	712	939	914	977	483	514	539	521	450	222	0	6,875
118.	1271	173	204	238	143	217	141	172	210	162	115	53	0	1,827
119.	1280	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	281	0	11,265
120.	1288	1,156	1,368	1,803	1,756	1,876	1,846	2,009	1,919	1,682	1,233	427	0	17,075
121.	1120	271	321	423	411	440	433	471	450	394	289	123	0	4,025
122.	1046	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	390	0	11,373
123.	1287	381	451	555	379	593	475	560	531	478	360	195	0	4,958
124.	1299	453	536	706	449	593	412	447	476	379	351	257	0	5,059
125.	1179	763	902	1,190	1,134	1,146	1,006	1,173	1,266	1,110	814	498	0	11,001
126.	1146	1,405	1,662	1,862	1,047	1,480	1,015	1,968	1,958	1,631	962	740	0	15,729
127.	1254	1,205	1,425	1,879	1,705	1,954	1,172	1,657	1,936	1,501	1,183	820	0	16,436
128.	1238	475	562	740	549	703	478	501	591	510	461	404	12	5,986
129.	1286	482	570	701	732	782	592	756	670	701	514	410	12	6,922
130.	1437	647	766	801	596	1,029	720	863	1,074	942	691	551	17	8,696
131.	1010	763	902	1,190	668	1,081	956	1,325	1,266	1,110	814	649	39	10,763
132.	1268	502	594	783	669	698	445	606	567	461	278	427	26	6,056
133.	1342	1,004	1,187	1,565	1,172	1,485	1,106	1,482	1,666	1,415	1,071	854	52	14,059
134.	1416	402	475	626	610	651	641	698	666	584	428	342	21	6,143
135.	1436	777	919	1,212	896	1,165	779	1,040	1,194	795	570	661	40	10,048
136.	1082	381	438	490	302	421	289	621	579	549	304	283	30	4,686
137.	1294	763	902	1,190	1,083	1,154	684	631	662	560	497	649	59	8,834
138.	1345	1,004	1,187	1,565	1,524	1,628	1,338	941	1,066	955	1,026	854	78	13,166
139.	1386	502	594	609	427	626	470	853	721	641	363	363	39	6,208
140.	1393	301	356	470	457	489	481	523	500	438	321	256	23	4,615
141.	1435	502	594	783	725	814	685	857	833	730	535	427	39	7,524
142.	1389	1,036	1,204	1,255	774	1,254	826	922	834	703	549	630	107	10,093
143.	1460	518	613	808	786	840	581	546	542	509	553	441	54	6,790
144.	1350/3351	2,383	2,351	2,403	1,957	1,759	1,638	1,811	1,210	1,159	1,143	1,279	272	19,363
145.	1145	381	451	595	358	527	609	663	633	555	362	325	89	5,547
146.	1156	1,004	1,187	1,565	1,524	1,628	1,404	1,744	1,666	1,460	1,071	854	233	15,341
147.	1326	1,004	1,187	1,565	1,084	1,300	1,149	1,340	1,666	1,307	926	854	233	13,616
148.	1339	1,144	1,354	1,785	1,737	1,856	1,072	991	1,097	1,112	1,068	974	266	14,456
149.	1103	763	902	1,190	1,123	1,164	639	833	930	811	724	649	197	9,925
150.	1104	502	594	783	761	814	722	872	833	730	535	427	130	7,703
151.	1105	301	356	470	457	489	451	523	500	438	321	256	78	4,640
152.	1194	1,144	1,354	1,785	1,100	1,341	1,045	1,632	1,797	1,389	993	918	296	14,794
153.	1245	1,004	1,187	1,565	1,007	1,361	1,275	1,744	1,666	1,460	1,071	854	259	14,454
154.	1213	1,004	1,187	1,565	1,235	1,305	963	1,744	1,666	1,460	896	854	363	14,242
155.	1258	502	594	783	516	689	501	723	817	549	496	427	181	6,779
156.	1262	502	594	783	756	795	660	872	833	730	535	427	181	7,669
157.	1276	381	451	595	579	619	609	663	633	555	407	325	138	5,954
158.	1325	502	594	783	762	814	801	872	833	730	535	427	181	7,835
159.	1344	502	594	783	762	814	801	872	833	730	535	427	181	7,835
160.	1242/3735	602	712	939	914	977	761	892	1,664	861	673	943	401	10,340
161.	1475	1,405	1,662	2,192	2,134	2,280	2,244	2,442	2,332	2,044	1,499	1,196	544	21,974
162.	1489	763	823	905	574	871	537	1,012	799	859	432	464	315	8,354
163.	1476	381	451	568	509	619	394	372	315	305	260	325	167	4,666
164.	1273	602	712	939	872	977	822	1,046	999	876	642	513	280	9,282
165.	1251	502	594	783	504	613	454	651	752	569	427	401	272	6,522
166.	1516	763	902	1,190	1,005	1,238	1,218	1,325	1,266	941	771	649	414	11,682
167.	1264	691	817	1,077	1,003	1,120	936	749	795	600	643	588	392	9,410
168.	1267	1,004	1,187	1,565	1,524	1,628	1,368	1,394	1,290	1,071	1,071	854	570	14,527

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019	
169.	1021	1,561	1,686	1,958	2,089	2,115	1,925	2,195	1,673	1,362	1,362	1,290	1,709	1,193	20,755
170.	1324	602	712	939	914	977	962	1,046	999	876	876	642	513	358	9,542
171.	1583	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,460	1,071	854	596	15,903
172.	1484	906	1,072	1,414	1,025	1,278	858	1,022	1,251	1,020	1,020	967	772	656	12,241
173.	1075	301	356	470	457	489	481	523	500	438	438	321	256	233	4,825
174.	1166	10,038	11,874	15,654	13,480	13,324	11,066	16,640	16,018	10,839	10,839	10,707	8,544	7,779	145,963
175.	1373	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,460	1,071	854	778	16,084
176.	1417	1,004	1,187	1,513	978	1,309	1,033	1,380	1,619	1,279	1,279	1,061	854	778	13,995
177.	1340	763	902	1,190	1,158	1,238	1,171	1,325	1,266	1,071	1,071	680	557	611	11,932
178.	1368	1,445	1,710	2,254	1,503	1,643	1,100	2,511	2,399	1,818	1,818	1,499	1,230	1,157	20,270
179.	1444	883	1,354	1,732	895	1,301	1,105	1,988	1,899	1,664	1,664	1,221	668	916	15,627
180.	1252	301	356	414	187	232	44	286	500	438	438	295	193	241	3,487
181.	1465	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	1,110	814	649	611	12,244
182.	1551	602	712	939	494	674	443	488	480	501	501	383	451	482	6,651
183.	1614	763	902	1,190	920	964	838	1,325	1,266	1,110	1,110	814	649	611	11,352
184.	1161	777	902	1,190	838	851	1,218	1,325	1,266	1,110	1,110	814	649	611	11,537
185.	1557	777	919	1,212	1,062	859	420	721	694	893	893	586	358	622	9,338
186.	1541	6,324	7,481	9,862	8,321	7,299	5,896	6,427	6,694	7,237	7,237	6,746	5,383	5,064	82,734
187.	1617	502	594	783	540	610	451	598	530	528	528	384	295	402	6,217
188.	1648	388	460	606	590	550	459	500	595	468	468	414	331	311	5,672
189.	1522	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	1,110	814	649	611	12,244
190.	1640	502	594	783	762	814	801	872	833	730	730	535	427	402	8,055
191.	1658	602	712	939	914	977	962	1,046	999	876	876	642	513	482	9,666
192.	1688	602	712	939	679	807	614	750	817	716	716	642	513	482	8,275
193.	1210	1,385	1,639	2,160	2,103	2,247	2,212	2,407	2,299	2,015	2,015	1,478	1,179	1,109	22,232
194.	1537	602	712	939	914	903	729	1,046	999	876	876	642	513	482	9,359
195.	1548	301	356	470	457	489	436	429	500	390	390	321	256	241	4,646
196.	1656	502	594	783	762	814	672	872	833	730	730	535	427	402	7,926
197.	1604	502	594	783	673	813	645	872	833	730	730	535	427	402	7,809
198.	1408	1,144	1,354	1,785	1,639	1,856	1,593	1,605	1,090	1,436	1,436	1,221	974	916	16,614
199.	1418	1,004	1,187	1,393	854	856	834	1,272	1,148	912	912	878	854	804	11,996
200.	1576	1,104	1,306	1,722	1,676	1,791	1,619	1,918	1,832	1,606	1,606	1,178	940	884	17,577
201.	1620	763	902	1,190	1,158	1,238	1,083	1,325	1,266	968	968	814	649	611	11,967
202.	1488	602	648	655	616	618	597	866	795	632	632	569	513	482	7,595
203.	1643	497	588	775	608	680	596	863	825	703	703	530	423	398	7,486
204.	1509	602	712	939	914	977	962	1,046	999	876	876	642	513	482	9,666
205.	1361	602	712	939	909	826	884	1,046	999	876	876	642	513	482	9,432
206.	1399/3347	485	574	686	706	787	460	433	392	335	335	330	316	388	5,891
207.	1722	602	567	644	605	627	587	677	664	580	580	502	513	482	7,052
208.	1172	712	842	1,111	1,081	1,078	1,107	1,237	1,182	944	944	760	606	570	11,231
209.	1357	502	594	783	762	814	801	872	833	730	730	535	427	402	8,055
210.	1485	1,004	1,187	1,565	1,524	1,628	1,280	1,744	1,666	1,460	1,460	1,071	854	804	15,614
211.	1553	940	1,111	1,465	1,028	1,179	1,397	1,632	1,559	1,286	1,286	1,002	800	752	14,153
212.	1582	1,004	1,187	1,565	1,030	1,121	929	1,514	1,441	1,263	1,263	1,064	854	804	13,776
213.	1616	1,144	1,354	1,785	1,737	1,737	1,691	1,988	1,899	1,459	1,459	1,221	974	916	17,906
214.	1689	301	356	470	399	413	347	523	500	438	438	321	256	241	4,565
215.	1718	602	712	815	684	749	449	848	759	547	547	574	513	482	7,736
216.	1776	502	594	783	762	814	801	872	833	730	730	535	427	402	8,055
217.	1596	518	613	808	786	840	827	900	860	725	725	553	441	415	8,285
218.	1853	454	485	657	689	588	538	788	616	507	507	484	386	363	6,555
219.	1400	763	866	894	769	756	648	1,106	1,117	719	719	647	649	611	9,545
220.	1383	301	356	470	457	489	481	523	500	438	438	321	256	241	4,833
221.	1195	1,004	1,187	1,565	1,524	1,628	1,491	1,744	1,666	1,460	1,460	1,071	854	804	15,998
222.	1263	602	712	939	914	977	962	1,046	999	876	876	642	513	482	9,666
223.	1546	763	902	1,190	1,046	858	986	982	1,122	1,001	1,001	814	649	611	10,924
224.	1695	1,004	1,187	1,256	1,164	1,372	1,370	1,744	1,666	1,167	1,167	966	854	804	14,554

Unitil Energy Systems, Inc.
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Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
225.	1517	602	712	939	698	729	706	938	897	703	642	513	482	8,563
226.	1110	1,848	1,704	1,737	1,628	1,761	1,730	2,184	2,210	1,599	1,943	1,591	1,737	21,671
227.	1391	1,004	1,187	1,565	1,336	1,266	1,300	1,570	1,666	1,260	1,071	854	804	14,883
228.	1296	502	594	701	500	527	522	756	685	677	535	427	402	6,828
229.	1712	1,144	1,354	1,785	1,170	1,018	886	1,049	1,293	1,187	1,166	974	916	13,943
230.	1341	1,104	1,306	1,401	1,215	1,216	1,353	1,918	1,832	1,566	1,178	940	884	15,914
231.	1710	683	807	1,064	1,036	1,034	864	1,186	1,133	993	728	581	547	10,656
232.	1715	381	451	595	472	412	414	663	633	448	407	325	305	5,506
233.	1788	1,004	1,127	1,143	972	895	965	1,744	1,666	1,084	812	799	804	13,015
234.	1448	602	712	939	728	678	468	401	369	310	357	424	482	6,472
235.	1428	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666
236.	1474	763	902	1,190	1,158	1,238	1,114	1,229	1,266	978	814	649	611	11,912
237.	1491	502	594	783	668	612	578	872	833	677	535	427	402	7,483
238.	1073	1,004	1,187	1,565	1,281	1,322	1,603	1,744	1,666	1,460	1,071	854	804	15,561
239.	1691	502	594	783	762	814	801	872	833	730	535	427	402	8,055
240.	1925	602	712	774	693	977	962	1,046	999	876	642	513	482	9,280
241.	1539	381	451	532	403	403	389	325	335	403	398	325	305	4,650
242.	1588	763	902	1,190	1,144	1,098	996	1,325	1,094	709	814	649	611	11,295
243.	1544	1,144	1,354	1,774	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,355
244.	1697	1,767	2,090	2,513	2,238	2,133	2,559	3,069	2,932	2,569	1,885	1,236	1,415	26,405
245.	1849	381	451	595	579	619	609	663	633	555	407	325	305	6,122
246.	1606	1,295	1,532	2,019	1,966	2,101	2,067	2,250	2,149	1,883	1,381	1,102	1,037	20,782
247.	1731	540	639	717	328	489	280	497	769	679	461	460	432	6,292
248.	1877	940	1,111	1,465	1,428	1,428	957	1,075	942	1,055	1,002	800	752	12,955
249.	1930	482	570	660	419	391	251	219	222	235	234	405	386	4,473
250.	1783	502	594	783	762	814	801	872	833	730	535	427	402	8,055
251.	1657	763	902	1,190	1,106	1,045	1,062	1,325	1,266	1,110	814	649	611	11,843
252.	1693	301	356	470	457	489	463	523	500	417	321	256	241	4,794
253.	1706	502	594	783	762	814	801	872	833	730	535	427	402	8,055
254.	1808	1,301	1,539	2,029	1,626	1,539	1,675	2,179	1,998	1,729	1,388	1,107	1,042	19,152
255.	1558	763	902	1,100	759	709	659	1,250	1,057	871	725	649	611	10,055
256.	1698	1,004	1,187	1,565	1,524	1,501	1,393	1,720	1,655	1,433	1,071	854	804	15,711
257.	1754	381	451	595	579	619	609	663	633	555	407	325	305	6,122
258.	1837	381	451	591	520	538	519	663	633	555	407	325	305	5,888
259.	1746	675	798	1,052	718	668	634	775	899	715	720	574	540	8,768
260.	1951	602	712	921	775	977	696	709	625	496	303	481	482	7,781
261.	1960	578	684	715	589	707	818	978	899	775	617	492	463	8,314
262.	1599	458	541	714	695	743	731	795	760	658	488	390	367	7,338
263.	1615	1,526	1,805	2,379	2,317	2,298	1,739	1,977	2,006	1,779	1,628	1,299	1,222	21,974
264.	1672	301	356	470	457	425	384	523	500	246	295	256	241	4,454
265.	1794	530	627	820	473	455	486	779	718	499	469	451	424	6,730
266.	1859	763	902	1,018	787	829	922	1,110	950	964	814	649	611	10,319
267.	1941	723	855	1,127	1,097	1,172	1,104	1,256	1,199	1,051	771	615	579	11,549
268.	1700	502	594	779	650	676	597	622	705	730	532	427	402	7,216
269.	1809	578	684	902	878	827	717	873	816	645	617	492	463	8,491
270.	1694	502	594	726	606	549	442	872	833	528	535	427	402	7,016
271.	1702	763	902	1,071	1,124	1,091	1,218	1,325	1,266	1,010	619	649	611	11,649
272.	1703	502	354	427	334	379	371	792	833	442	394	393	402	5,623
273.	1769	385	456	601	585	625	615	670	640	561	411	328	309	6,186
274.	1771	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
275.	1796	699	826	956	608	691	886	1,208	1,114	905	745	595	559	9,793
276.	1199	502	594	783	762	814	801	872	833	730	535	427	402	8,055
277.	1701	891	1,054	1,390	1,187	1,229	1,125	1,549	1,479	1,296	951	759	714	13,625
278.	1819	602	522	560	514	511	508	910	901	675	446	477	482	7,110
279.	1940	578	684	902	878	927	923	1,005	959	841	617	492	463	9,268
280.	1972	1,277	1,510	1,463	1,387	1,357	1,570	1,998	1,697	1,306	1,189	1,087	1,022	16,864

Unitil Energy Systems, Inc.
Net Metering Accounts
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Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
281.	1068/2738	1,255	1,484	1,957	1,905	2,035	2,003	2,180	2,082	1,825	1,338	1,068	1,005	20,138
282.	1503	1,004	1,187	1,565	1,524	1,628	1,053	1,003	942	1,033	1,071	854	804	13,668
283.	1669	502	561	557	655	628	490	761	734	615	469	427	402	6,801
284.	1742	1,144	1,354	1,785	1,737	1,856	1,346	1,988	1,899	1,371	1,221	974	916	17,592
285.	1671	502	594	783	762	788	440	678	686	445	453	427	402	6,960
286.	1865	434	513	676	658	703	616	753	720	631	463	369	347	6,884
287.	1829	602	712	717	655	698	643	754	757	595	487	513	482	7,617
288.	1894	602	626	646	487	503	445	474	505	534	564	513	471	6,372
289.	1727	964	1,140	1,503	1,463	1,314	1,022	1,076	1,104	912	987	820	772	13,078
290.	1619	460	544	717	611	689	594	660	693	669	490	391	368	6,885
291.	1903	763	902	956	939	1,024	977	1,325	1,266	968	814	649	611	11,194
292.	1797	675	798	1,052	1,024	1,094	1,077	1,172	1,119	981	720	574	540	10,826
293.	1860	582	689	908	884	889	753	1,011	966	739	621	496	466	9,004
294.	1550	1,526	1,805	2,379	2,317	2,475	2,436	2,651	2,532	2,219	1,628	1,299	1,222	24,488
295.	1699	1,144	1,354	1,785	1,405	619	489	902	886	1,664	1,221	974	916	13,360
296.	1708	1,526	1,805	2,031	1,806	2,006	2,348	2,582	2,532	2,219	1,628	1,299	1,222	23,003
297.	1726	1,747	2,066	2,686	2,132	2,543	2,789	3,034	2,898	2,540	1,863	1,487	1,399	27,184
298.	1733	1,004	1,187	1,565	1,524	1,237	1,217	1,744	1,666	1,460	1,071	854	804	15,333
299.	1943	1,060	1,254	1,392	1,194	1,142	1,121	1,390	1,599	1,221	1,047	902	849	14,170
300.	1717	602	712	939	914	849	846	1,046	999	876	642	513	482	9,422
301.	1827	763	902	981	700	579	473	1,325	1,266	785	755	649	611	9,789
302.	1828	763	902	1,190	780	1,238	1,218	1,325	1,266	1,110	814	649	611	11,866
303.	1881	763	902	1,190	1,158	1,238	1,218	682	604	730	814	649	611	10,559
304.	1741	763	832	824	722	1,116	1,218	1,325	1,266	1,110	814	649	611	11,250
305.	1846	602	712	939	760	812	869	1,046	943	876	642	513	482	9,198
306.	2013	763	902	1,107	1,087	1,093	1,104	1,325	1,266	911	814	649	611	11,632
307.	1696	381	451	595	579	619	609	663	633	555	407	325	305	6,122
308.	1705	502	594	783	762	814	800	872	833	730	535	427	402	8,054
309.	1802	502	594	719	543	489	400	330	400	520	493	427	402	5,819
310.	1998	1,108	1,311	1,728	1,221	1,200	1,248	1,450	1,387	1,180	1,182	943	887	14,846
311.	1525	602	712	939	914	898	654	677	857	838	642	513	482	8,730
312.	1709	381	451	595	579	601	368	485	492	466	407	325	305	5,455
313.	1870	502	594	690	748	796	730	872	833	667	535	427	402	7,796
314.	1921	301	356	470	456	489	481	523	500	438	321	256	241	4,832
315.	2005	381	451	595	579	619	561	663	633	555	407	325	305	6,074
316.	2033	1,004	1,187	1,565	1,497	1,538	1,197	1,558	1,079	1,011	1,071	854	804	14,365
317.	1674	502	594	783	762	703	442	580	512	406	535	427	402	6,648
318.	1887	502	594	783	762	789	746	772	816	730	535	427	402	7,858
319.	1523	2,008	2,375	3,131	2,916	2,742	2,350	2,535	1,852	1,849	1,662	1,709	1,608	26,735
320.	2006	1,526	1,805	2,379	1,805	2,475	2,436	2,512	2,532	2,219	1,628	1,299	1,222	23,837
321.	1832	502	594	607	550	787	731	872	833	684	535	427	402	7,524
322.	1861	803	950	1,252	1,219	1,179	1,103	1,305	1,230	993	857	684	643	12,217
323.	2101	558	507	606	914	977	912	961	881	857	642	513	482	8,812
324.	1900	502	594	783	762	814	801	872	833	730	535	427	402	8,055
325.	2003	482	449	454	384	337	252	425	433	312	343	410	386	4,666
326.	1711	502	534	580	441	399	386	592	550	418	351	381	402	5,536
327.	1923	1,004	1,187	1,553	1,200	1,184	1,078	1,359	1,511	1,399	1,071	854	804	14,204
328.	2027	502	594	667	538	503	501	486	677	455	459	427	402	6,211
329.	1724	1,028	1,216	1,603	1,436	1,152	1,030	1,442	1,470	980	1,046	875	823	14,101
330.	2055	345	408	480	458	530	314	430	302	215	241	294	277	4,295
331.	1842	502	594	728	404	476	408	689	359	132	421	427	402	5,542
332.	1924	381	451	595	579	619	609	663	624	500	407	325	305	6,058
333.	2026	482	570	751	695	589	578	837	708	580	514	410	386	7,099
334.	1641	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666
335.	2081	626	741	704	735	709	571	470	602	576	576	533	502	7,346
336.	1407	10,028	11,862	15,639	15,225	16,267	16,010	17,422	16,641	14,584	10,697	8,536	8,030	160,941

Unitil Energy Systems, Inc.
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Displaced Distribution
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Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
337.	2014	602	712	900	708	977	962	1,046	999	876	642	513	482	9,421
338.	2064	578	684	902	878	938	664	947	883	841	617	492	463	8,886
339.	2146	502	562	699	630	597	462	572	535	437	409	427	402	6,234
340.	2075	626	741	907	894	1,016	1,000	1,088	1,039	911	668	533	502	9,926
341.	1690	301	356	470	457	489	481	523	500	438	321	256	241	4,833
342.	2138	1,144	1,016	1,090	1,078	1,170	1,308	1,701	1,196	672	723	877	916	12,892
343.	2074	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666
344.	2034	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666
345.	2144	602	712	939	891	818	723	1,012	990	779	642	513	482	9,105
346.	2106	337	399	526	446	547	530	586	560	491	360	287	270	5,339
347.	2087	675	798	1,052	971	976	814	1,075	991	839	720	574	540	10,025
348.	1964	984	1,164	1,534	871	937	1,418	1,709	1,632	1,393	1,049	837	788	14,315
349.	2107	241	285	357	362	340	191	298	400	186	142	205	193	3,198
350.	2132	843	997	1,315	1,036	1,109	1,346	1,465	1,399	1,226	899	718	675	13,030
351.	1798	502	594	583	422	417	346	325	275	335	314	383	402	4,898
352.	1826	502	594	668	541	475	396	866	609	500	443	427	402	6,423
353.	2114	1,907	2,036	1,815	1,844	2,536	2,653	3,488	3,332	2,685	2,141	1,412	1,608	27,455
354.	1450	301	356	470	457	489	444	523	500	438	321	256	241	4,796
355.	1908	502	594	783	710	700	549	809	827	618	535	427	402	7,456
356.	2127	578	684	902	694	598	584	749	732	593	617	492	463	7,685
357.	2149	1,325	1,567	2,066	2,012	1,921	1,720	2,029	1,968	1,927	1,413	1,128	1,061	20,139
358.	2158	1,004	1,187	1,565	1,488	1,279	1,103	1,146	884	730	698	854	804	12,742
359.	1955	675	798	915	806	898	874	1,172	1,119	819	720	574	540	9,910
360.	2046	289	342	451	439	469	462	502	480	211	144	246	231	4,267
361.	1687	1,004	1,187	1,565	1,374	1,301	1,458	1,744	1,666	1,392	1,071	854	804	15,420
362.	1920	502	594	783	762	814	801	872	833	730	535	427	402	8,055
363.	1931	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
364.	1982	358	286	409	357	483	632	872	833	500	372	242	402	5,746
365.	1928	763	902	1,190	969	613	498	1,325	1,266	1,110	814	649	611	10,710
366.	1949	301	356	470	457	427	376	391	461	421	321	256	241	4,478
367.	1995	502	594	783	762	759	368	360	273	302	208	233	349	5,493
368.	2002	502	578	663	599	814	695	872	833	645	535	427	402	7,565
369.	2073	502	594	579	520	814	801	872	818	581	441	427	402	7,351
370.	2197	502	585	545	599	632	506	728	833	728	535	427	402	7,022
371.	2066	723	855	922	778	677	751	985	928	846	771	615	579	9,520
372.	2169	1,510	1,786	2,354	2,292	2,366	1,763	1,829	1,880	1,659	1,533	1,285	1,209	21,467
373.	1948	502	594	694	445	400	360	712	770	307	446	427	402	6,059
374.	2209	647	766	1,010	983	1,002	1,034	1,125	1,074	942	652	551	518	10,304
375.	768/1906	3,814	4,512	5,949	5,791	5,589	5,874	6,627	6,330	4,643	4,069	3,247	3,054	59,499
376.	1957	763	902	1,190	1,158	792	723	1,177	1,008	595	530	649	611	10,098
377.	1978	763	902	1,190	991	1,138	903	1,325	1,266	1,110	570	649	611	11,418
378.	2001	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
379.	2018	1,144	1,354	1,785	1,737	1,856	1,824	1,988	1,899	1,664	1,221	974	916	18,363
380.	2039	763	733	804	635	724	789	748	972	609	814	649	611	8,851
381.	2044	502	594	783	762	814	801	872	823	730	535	427	402	8,045
382.	2102	301	356	470	457	489	481	523	500	438	321	256	241	4,833
383.	2208	381	451	595	579	619	609	663	633	555	407	325	305	6,122
384.	2029	988	1,168	1,540	1,481	1,495	1,382	1,367	1,121	1,076	1,022	841	791	14,271
385.	2078	2,008	2,360	2,422	2,337	2,843	3,197	3,488	3,332	2,799	2,141	1,709	1,608	30,242
386.	2201	835	988	1,302	1,268	1,355	1,333	1,451	1,386	1,215	891	711	669	13,404
387.	2227	853	1,009	1,331	1,295	1,384	827	1,144	955	892	910	726	683	12,011
388.	2216	891	1,047	1,208	1,012	1,100	1,108	1,472	1,437	1,296	951	759	714	12,996
389.	2118	4,336	5,130	6,763	4,919	4,682	4,330	6,405	6,753	5,762	4,626	3,691	3,472	60,868
390.	2211	502	464	518	484	471	477	765	765	422	366	395	402	6,031
391.	1714	1,004	1,187	1,467	1,484	1,217	1,048	1,375	1,244	1,104	970	854	804	13,758
392.	2058	502	594	783	762	682	615	872	833	680	535	427	402	7,687

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Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
393.	2071	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666
394.	2082	763	902	1,190	1,158	1,238	1,218	1,325	1,138	1,110	814	649	611	12,116
395.	2187	763	902	1,098	968	927	858	1,218	1,156	1,063	814	649	611	11,027
396.	2194	561	664	812	503	537	689	975	931	816	599	478	449	8,014
397.	2203	954	1,128	1,487	1,267	1,233	1,089	1,599	1,582	1,387	1,017	812	764	14,319
398.	2223	502	594	783	616	662	801	872	833	730	535	427	402	7,747
399.	2254	381	451	531	480	545	549	568	613	527	407	325	305	5,682
400.	2134	6,023	7,125	9,393	9,144	9,770	9,616	10,484	9,995	8,759	6,424	5,127	4,823	96,661
401.	2143	1,301	1,539	2,029	1,975	2,110	2,077	2,260	2,159	1,884	1,388	1,107	1,042	20,871
402.	2247	1,036	1,225	1,616	1,212	1,148	1,126	1,800	1,719	1,488	1,105	882	830	15,186
403.	2207	763	902	1,190	914	1,133	932	1,325	1,266	1,110	814	649	611	11,609
404.	2266	863	1,021	1,346	956	715	528	472	591	526	578	735	691	9,022
405.	2196	1,144	952	995	1,021	1,819	1,827	1,988	1,899	1,664	1,098	840	916	16,164
406.	2154	1,004	1,187	1,565	1,524	1,566	1,110	1,744	1,666	1,252	1,071	854	804	15,347
407.	2309	482	570	751	732	782	769	837	800	701	514	410	386	7,733
408.	2252	361	427	425	368	365	489	628	600	526	355	290	289	5,123
409.	2172	602	712	939	914	977	897	1,046	999	876	642	513	482	9,601
410.	2222	602	712	939	914	977	962	1,046	999	876	642	513	482	9,666
411.	2297	820	970	1,256	765	866	908	1,372	1,346	927	875	698	657	11,460
412.	2310	996	1,178	1,553	1,512	1,615	1,590	1,730	1,652	1,448	1,062	848	797	15,981
413.	2212	301	356	470	345	314	240	446	392	282	299	256	241	3,942
414.	2325	337	399	526	461	380	371	346	394	421	360	287	270	4,552
415.	2327	648	767	1,011	685	849	836	1,127	982	794	692	552	519	9,462
416.	2094	502	594	783	762	814	801	872	833	730	535	427	402	8,055
417.	2135	502	594	783	721	814	801	872	833	730	535	427	402	8,014
418.	2221	502	594	691	440	500	672	872	833	613	504	427	402	7,050
419.	2050	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366
420.	2133	1,638	1,938	2,532	2,085	1,975	1,377	1,197	1,075	1,319	1,747	1,394	1,312	19,590
421.	2311	1,004	1,187	1,565	1,524	1,608	1,455	1,518	1,666	1,460	1,071	854	804	15,716
422.	2238	1,144	1,354	1,785	1,737	1,777	1,001	974	987	1,128	1,217	974	916	14,995
423.	2137	502	594	783	693	701	801	872	833	730	535	427	402	7,873
424.	2142	763	902	1,081	691	1,127	1,053	1,325	1,266	677	661	649	611	10,806
425.	2189	602	712	939	909	977	962	1,046	999	876	642	513	482	9,661
426.	2206	301	348	416	376	397	425	523	500	320	251	256	241	4,354
427.	2224	502	594	783	597	791	486	656	613	382	498	427	402	6,731
428.	2249	763	902	1,190	993	1,238	1,136	1,283	1,266	1,067	814	649	611	11,912
429.	2250	301	356	470	457	489	481	523	500	438	321	256	241	4,833
430.	2072	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
431.	2277	1,144	1,354	1,785	1,737	1,856	1,174	1,435	1,335	1,155	1,119	974	916	15,985
432.	2279	427	505	665	648	692	654	741	707	620	455	363	342	6,819
433.	2045	502	572	662	427	466	479	668	591	465	445	427	402	6,106
434.	2092	301	356	470	457	489	481	523	500	438	321	256	241	4,833
435.	2151	602	712	939	907	758	720	1,046	993	837	642	513	482	9,153
436.	2070	712	842	1,052	639	670	919	1,236	1,181	810	726	606	570	9,962
437.	2214	602	712	753	625	624	560	1,046	999	739	572	513	482	8,229
438.	2231	763	902	886	656	567	486	548	525	392	271	391	571	6,958
439.	2271	381	451	595	579	563	609	663	633	555	407	325	305	6,066
440.	2293	763	869	896	851	1,047	1,199	1,325	1,266	1,110	814	649	611	11,400
441.	2295	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
442.	2298	903	1,069	1,409	1,372	1,466	1,313	1,570	1,499	1,314	964	769	723	14,370
443.	2275	1,606	1,900	2,505	2,172	2,154	2,339	2,790	2,665	2,209	1,713	1,367	1,286	24,707
444.	2376	771	912	1,202	1,170	1,291	1,140	1,277	1,249	1,121	822	656	617	12,190
445.	2248	502	594	783	656	736	643	762	684	606	535	427	402	7,330
446.	2331	1,144	1,354	1,785	1,382	1,153	1,134	1,988	1,899	1,318	1,221	974	916	16,269
447.	2323	1,526	1,805	2,379	2,317	2,355	2,038	2,297	2,211	1,849	1,535	1,299	1,222	22,832
448.	1602	502	594	783	762	814	801	872	833	730	535	427	402	8,055

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449.	1932	381	451	544	433	117	139	663	633	467	407	325	305	4,865
450.	1511	763	902	1,190	1,158	1,238	1,192	1,269	1,236	897	814	649	611	11,919
451.	2171	502	594	545	680	756	801	872	833	730	535	427	402	7,677
452.	2288	372	431	518	223	309	350	577	603	470	407	325	305	4,890
453.	2184	381	451	595	579	550	470	663	573	384	407	325	305	5,683
454.	2389	602	712	792	802	900	822	837	810	636	642	513	482	8,552
455.	2307	723	855	940	708	849	864	1,063	1,031	898	734	615	579	9,859
456.	2264	301	356	470	457	489	481	523	500	438	321	256	241	4,833
457.	2276	1,606	1,900	2,505	2,140	1,785	2,132	2,164	1,688	1,689	1,690	1,367	1,286	21,953
458.	2324	891	1,054	1,390	1,152	1,109	860	955	948	828	814	759	714	11,475
459.	2261	1,285	1,520	2,004	1,273	1,478	1,697	1,920	2,132	1,635	1,191	1,094	1,029	18,257
460.	2339	867	1,026	1,353	1,317	1,360	1,385	1,507	1,439	1,261	925	738	694	13,872
461.	2220	1,004	1,149	1,188	1,062	1,091	1,006	1,698	1,479	996	992	854	804	13,323
462.	2257	381	451	575	567	619	609	663	633	555	407	325	305	6,090
463.	1914	1,365	1,615	2,129	1,847	1,905	2,180	2,372	2,265	1,905	1,456	1,162	1,093	21,294
464.	2025	1,349	1,596	1,626	1,394	1,273	1,365	2,219	2,239	1,312	1,060	1,148	1,080	17,661
465.	2347	763	902	1,190	1,158	1,202	672	741	628	524	814	649	611	9,854
466.	2152	763	902	1,190	1,158	1,238	1,198	1,325	1,266	1,110	814	649	611	12,224
467.	2299	602	665	642	636	924	962	1,046	978	763	642	513	482	8,857
468.	2303	522	617	813	599	567	503	811	866	759	557	444	418	7,477
469.	2383	675	798	1,052	1,024	1,094	798	1,093	1,119	769	632	574	540	10,168
470.	2390	453	194	186	279	485	169	2,093	1,999	108	429	756	965	8,114
471.	2398	675	592	493	674	928	960	1,172	1,119	981	720	574	540	9,428
472.	2191	502	504	491	527	565	365	872	595	278	383	427	402	5,911
473.	2356	1,044	1,235	1,471	946	842	831	1,754	1,096	888	984	889	836	12,815
474.	2213	763	902	1,190	1,145	1,109	1,013	1,325	1,266	1,110	814	649	611	11,897
475.	2457	596	705	930	905	893	886	1,036	900	867	636	508	477	9,340
476.	2265	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
477.	2334	763	902	1,190	1,158	1,238	1,218	1,325	1,266	997	814	649	611	12,131
478.	2382	678	802	802	750	794	793	1,177	1,124	934	723	577	543	9,695
479.	2217	5,782	6,840	9,017	8,778	9,099	8,151	9,125	9,435	8,369	6,167	4,922	4,630	90,315
480.	2285	502	594	783	612	475	422	502	525	386	502	427	402	6,132
481.	2287	602	712	803	762	824	715	886	999	708	642	513	482	8,650
482.	2336	381	451	474	445	470	465	562	483	484	399	325	305	5,244
483.	1950	763	902	1,190	933	980	899	1,103	1,265	855	814	649	611	10,964
484.	2406	1,144	1,354	1,785	1,737	1,635	1,739	1,988	1,899	1,664	1,221	974	916	18,057
485.	2262	1,265	1,496	1,972	1,920	2,052	2,019	2,197	2,099	1,839	1,349	1,077	1,013	20,299
486.	2258	434	513	589	384	300	356	664	633	339	357	369	347	5,286
487.	2242	1,397	1,653	2,179	2,121	2,267	2,231	2,387	1,939	1,285	1,310	1,189	1,119	21,077
488.	2342	602	712	939	914	843	595	829	855	876	642	513	482	8,804
489.	2335	264	202	375	191	222	199	298	126	172	311	223	370	2,953
490.	2272	502	499	516	443	494	552	872	833	718	535	427	402	6,793
491.	2366	361	427	198	325	363	328	222	197	190	263	308	289	3,471
492.	2489	488	577	761	741	791	764	672	653	611	520	415	391	7,383
493.	2430	763	902	1,190	1,145	1,146	829	895	727	970	814	649	611	10,641
494.	2232/3058	624	739	918	948	1,013	773	1,085	1,036	908	666	531	500	9,741
495.	2358	763	902	1,190	1,158	1,238	1,134	1,325	1,158	874	814	649	611	11,816
496.	2399	578	684	902	878	938	594	761	773	789	617	492	463	8,468
497.	2478	578	684	902	876	753	548	834	875	741	617	492	463	8,362
498.	2461	502	459	532	471	586	706	735	805	390	528	382	402	6,498
499.	2498	554	655	864	841	899	885	963	920	806	591	472	444	8,893
500.	2374	1,123	763	716	732	680	690	509	335	358	211	429	730	7,275
501.	2465	344	401	464	357	541	389	448	447	382	289	293	305	4,660
502.	2491	602	712	939	677	909	621	1,017	999	780	642	513	482	8,895
503.	2499	663	784	1,033	852	973	1,017	1,151	1,099	964	707	564	530	10,336
504.	2490	786	930	1,216	1,068	926	899	1,183	950	778	698	669	629	10,732

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Generated kWh less monthly banked kWh (actual kWh displaced).

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505.	2504	840	994	1,024	828	1,363	928	1,313	1,195	906	617	715	673	11,396
506.	2524	602	565	664	435	585	486	584	610	651	383	433	482	6,482
507.	2535	410	484	639	438	528	350	522	669	513	409	349	328	5,637
508.	2557	663	784	1,033	1,006	1,075	952	804	904	847	606	564	530	9,767
509.	2543	578	684	662	457	708	784	1,005	959	841	460	379	463	7,979
510.	2555	502	594	783	762	675	329	334	305	311	190	376	402	5,563
511.	2548	522	617	814	792	847	771	786	679	759	557	444	418	8,007
512.	2481	1,173	1,615	1,971	856	1,328	1,226	1,735	1,739	1,253	901	779	1,093	15,669
513.	2528	522	617	814	660	844	680	907	866	759	557	444	418	8,089
514.	2549	502	594	783	751	814	624	817	833	707	535	427	402	7,789
515.	2530	763	902	990	916	909	748	1,081	1,029	721	772	649	611	10,091
516.	2410	1,004	1,187	1,565	1,524	1,628	1,440	1,525	1,339	1,460	1,071	854	804	15,401
517.	2597	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
518.	2595	623	737	972	708	989	608	553	798	666	501	531	499	8,186
519.	2602	502	594	783	762	814	801	872	833	730	535	427	402	8,055
520.	2048	2,760	3,265	4,305	3,770	4,419	2,882	2,435	2,383	2,459	2,484	2,350	2,210	35,722
521.	2590	1,004	1,187	1,297	939	836	1,021	1,643	1,591	1,293	1,006	854	804	13,475
522.	2565	602	712	939	671	790	697	813	871	876	642	513	482	8,610
523.	2620	1,104	1,306	1,722	1,676	1,193	863	887	827	963	1,137	940	884	13,503
524.	2622	602	712	939	914	977	916	1,039	999	876	642	513	482	9,613
525.	2655	434	513	676	411	621	355	400	720	577	256	369	347	5,680
526.	2592	602	712	804	546	977	698	916	764	785	538	508	482	8,334
527.	2621	763	902	895	717	1,220	856	1,162	1,128	985	767	649	611	10,655
528.	2629	763	902	1,190	957	1,137	831	931	1,072	1,039	697	649	611	10,779
529.	2645	663	784	1,033	594	967	939	970	979	752	537	551	530	9,298
530.	2700	763	902	1,190	958	1,223	902	1,011	919	749	676	649	611	10,553
531.	2706	602	712	939	914	977	680	726	747	655	608	513	482	8,557
532.	2563	502	594	783	762	814	780	872	833	730	535	427	402	8,034
533.	2578	522	617	814	792	847	833	907	866	759	557	444	418	8,377
534.	2630	763	902	905	615	984	648	1,073	1,266	1,110	756	649	611	10,282
535.	2680	434	513	666	446	673	433	553	720	467	463	369	347	6,085
536.	2702	984	1,164	1,257	1,125	1,310	1,223	1,709	1,632	1,286	1,049	837	788	14,363
537.	2616	723	855	1,127	961	1,172	925	1,256	1,199	912	771	615	579	11,095
538.	2668	301	356	470	457	489	481	523	500	438	321	256	241	4,833
539.	2676	1,004	1,187	1,021	1,238	1,197	1,073	1,157	1,122	1,172	1,046	854	804	12,875
540.	2674	458	541	714	532	743	548	542	607	583	288	390	367	6,311
541.	2594	91	1,187	280	278	325	371	268	183	307	58	854	804	5,006
542.	2710	682	738	798	1,158	1,238	709	612	432	467	532	649	611	8,626
543.	2699	663	784	1,018	572	751	492	782	695	552	428	564	530	7,830
544.	2703	763	902	1,190	902	1,074	984	1,325	1,266	1,110	797	649	611	11,573
545.	2678	502	594	662	467	594	330	771	833	730	535	427	402	6,847
546.	2696	381	451	595	437	566	314	301	278	318	271	325	305	4,542
547.	2679	1,004	1,187	1,565	1,524	1,628	1,451	1,507	1,398	1,071	1,067	854	804	15,060
548.	2485	1,004	1,187	1,541	1,129	1,166	1,603	1,744	1,666	1,460	1,071	854	804	15,229
549.	2715	675	798	969	743	1,029	1,077	1,172	1,119	981	720	574	540	10,397
550.	2749	663	784	1,033	1,006	1,075	1,058	1,151	1,099	964	707	564	530	10,633
551.	2778	1,004	1,187	1,421	1,112	1,009	988	1,138	1,155	1,139	1,071	854	804	12,882
552.	2748/3594	759	898	1,183	1,057	1,347	841	1,033	1,144	836	890	789	743	11,521
553.	2717	1,004	1,187	1,225	744	1,137	1,215	1,744	1,666	1,360	1,071	854	804	14,011
554.	2757	381	435	428	309	455	352	663	633	555	407	325	305	5,248
555.	2547	2,349	2,779	3,663	3,566	3,810	3,750	4,081	3,898	3,416	2,506	1,999	1,881	37,698
556.	2705	1,144	1,351	1,275	1,206	1,189	1,264	1,988	1,510	1,173	1,142	974	916	15,133
557.	2740	984	1,164	1,534	1,272	1,452	1,344	1,694	1,632	1,431	964	837	788	15,095
558.	2735	562	665	877	853	912	724	648	897	658	600	478	450	8,324
559.	2765	787	931	1,227	1,111	1,130	863	771	1,306	854	417	648	630	10,675
560.	2759	618	731	929	648	924	724	688	876	630	660	526	495	8,451

Unitil Energy Systems, Inc.
Net Metering Accounts
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Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
561.	2593	1,064	1,259	1,659	1,615	1,726	1,699	1,849	1,766	1,547	1,135	906	852	17,077
562.	2693	1,144	1,354	1,785	1,737	1,856	1,413	1,442	1,696	1,463	1,221	974	916	17,002
563.	2796	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
564.	2766	646	765	900	716	975	912	1,123	1,073	940	690	550	518	9,808
565.	2686	1,747	2,029	2,331	1,485	2,833	2,789	3,034	2,898	2,540	1,863	991	1,399	25,939
566.	2754	1,004	1,099	1,140	1,057	1,539	1,476	1,584	1,546	1,203	818	854	804	14,124
567.	2718	502	594	783	680	798	778	872	799	666	535	427	402	7,836
568.	2799	843	997	1,315	1,187	1,316	1,130	1,325	1,240	928	899	718	675	12,575
569.	2741	763	902	1,102	827	1,068	796	895	873	879	814	649	611	10,179
570.	2728	763	902	1,190	1,059	1,238	842	872	861	846	812	649	611	10,645
571.	2866	381	451	546	424	429	316	498	514	405	351	325	305	4,945
572.	2848	763	902	1,161	764	1,080	772	846	1,000	814	558	643	611	9,914
573.	2713	711	713	851	693	1,098	825	1,229	1,224	1,025	744	571	611	10,295
574.	2777	763	902	1,190	677	757	465	759	1,161	851	454	552	611	9,142
575.	2732	1,526	1,805	1,545	934	1,439	936	1,719	833	1,260	1,161	1,172	1,222	15,551
576.	2883	763	902	1,190	995	1,003	900	1,080	1,133	1,031	814	649	611	11,071
577.	2840	763	902	1,056	931	984	1,056	1,318	1,266	1,004	814	649	611	11,354
578.	2719	1,004	1,187	1,565	1,193	1,613	1,101	1,008	987	971	936	854	804	13,223
579.	2721	1,144	1,354	1,785	1,562	1,399	615	1,145	928	611	749	974	916	13,183
580.	2893	502	594	783	637	814	751	761	833	730	535	427	402	7,769
581.	2857	990	1,171	1,298	1,356	1,592	1,381	1,600	1,437	1,439	1,056	842	793	14,954
582.	2856	964	1,140	1,324	1,168	1,155	1,503	1,674	1,599	1,371	1,028	820	772	14,519
583.	2824	763	902	1,051	303	788	811	787	1,266	964	575	649	611	9,470
584.	2887	1,004	1,187	1,565	1,451	1,628	1,322	1,458	1,118	1,137	1,071	854	804	14,599
585.	2787	602	712	939	785	800	656	641	675	601	502	513	482	7,910
586.	241/2443	502	594	744	588	814	582	590	486	657	485	427	402	6,871
587.	2786	1,144	1,354	1,785	1,722	1,855	1,422	1,457	1,638	1,420	1,202	974	916	16,890
588.	2913	1,526	1,805	2,319	1,777	1,995	1,596	1,511	1,812	1,619	1,148	1,239	1,222	19,568
589.	2937	751	833	719	524	791	594	551	458	661	705	649	611	8,150
590.	2619	1,004	1,187	1,565	1,524	1,628	1,239	965	1,184	932	516	854	804	13,402
591.	2988	1,004	1,187	1,362	1,290	1,559	1,521	1,744	1,666	1,113	1,071	854	804	15,175
592.	243/2745	763	724	733	591	1,141	1,022	1,181	1,183	1,022	776	649	611	10,396
593.	2506	10,028	11,862	15,639	14,105	16,267	13,810	17,422	14,741	9,404	8,677	8,536	8,030	148,521
594.	2941	1,004	1,187	1,565	1,524	1,628	1,402	1,337	1,450	1,460	1,071	854	804	15,286
595.	2763	763	902	1,078	739	1,012	528	614	690	726	814	649	611	9,126
596.	2894	393	594	565	655	977	962	1,046	999	876	642	513	431	8,655
597.	2905	763	902	1,190	764	1,147	832	1,187	1,255	1,110	814	649	611	11,224
598.	2923	763	902	1,190	1,158	1,238	1,095	1,325	1,266	1,110	814	649	611	12,121
599.	2806	1,526	1,805	2,012	1,464	2,388	1,638	2,411	2,532	2,030	1,233	1,108	1,222	21,368
600.	2816	1,004	1,187	1,565	1,524	1,628	1,102	1,226	1,248	738	850	854	804	13,730
601.	2269	7,721	9,532	12,456	3,255	5,720	2,251	1,839	1,073	3,256	1,074	2,619	5,954	56,750
602.	2854	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
603.	2994	2,008	2,375	3,131	2,614	3,257	2,639	3,157	3,332	2,621	1,769	1,709	1,608	30,218
604.	2817	381	451	595	579	619	497	522	520	518	407	325	305	5,719
605.	2818	381	451	595	579	619	609	611	592	479	407	325	305	5,953
606.	2819	381	451	595	579	619	318	469	633	464	309	325	305	5,448
607.	2903	381	451	595	579	619	609	663	633	551	407	325	305	6,118
608.	3032	763	902	1,190	1,061	1,122	716	774	757	774	790	649	611	9,868
609.	2822	1,004	1,187	1,565	1,524	1,459	881	823	958	735	618	688	804	12,246
610.	2823	502	594	783	625	664	440	576	638	730	535	427	402	6,916
611.	2899	381	451	449	349	619	498	663	611	523	392	325	305	5,566
612.	2993	2,008	2,375	3,131	3,048	3,257	1,738	394	260	241	395	1,709	1,608	20,162
613.	2820	359	141	292	148	114	53	1,988	1,899	35	1,221	54	244	6,549
614.	2880	763	902	1,099	778	947	605	798	987	694	234	467	611	8,885
615.	2886	602	712	939	826	977	792	907	999	876	642	513	482	9,269
616.	2897	763	902	1,190	1,076	1,238	967	1,046	793	771	741	649	611	10,747

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
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Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
617.	2900	1,221	1,444	1,904	1,430	1,583	930	2,121	2,026	1,775	1,302	1,039	977	17,751
618.	2889	1,144	1,354	1,516	1,235	1,266	1,357	1,988	1,899	1,397	1,092	974	916	16,139
619.	3064	337	399	441	434	437	387	444	425	395	360	287	270	4,616
620.	3099	763	902	1,062	632	1,054	1,218	1,325	1,266	1,110	814	649	611	11,406
621.	2839a	902	1,071	1,598	467	530	453	61	3,798	30	2,441	208	586	12,144
622.	2839b	1,204	1,447	1,712	488	498	407	4	3,798	74	4	380	705	10,720
623.	3030	448	850	861	285	457	298	1,563	1,493	82	959	230	255	7,780
624.	3020	1,144	1,354	1,785	1,731	1,743	1,339	1,918	1,522	1,417	1,097	974	916	16,941
625.	2291	44,569	52,722	69,505	67,666	72,300	71,155	77,432	73,961	64,819	47,541	37,937	35,688	715,294
626.	2870	381	451	595	579	619	609	581	466	491	407	325	305	5,809
627.	3073	1,044	1,235	1,628	1,585	1,694	1,667	1,226	1,264	1,136	939	889	836	15,142
628.	3015	763	902	1,190	899	1,228	948	1,325	1,266	1,110	814	649	611	11,705
629.	2726	4,889	5,783	7,624	6,625	7,867	5,692	8,493	8,112	7,110	5,215	4,161	3,914	75,484
630.	3029	609	736	850	441	674	379	458	569	471	228	397	498	6,309
631.	2922	381	451	595	476	477	461	416	499	369	289	325	305	5,044
632.	2970	1,004	1,187	1,238	871	1,167	1,393	1,677	1,410	1,117	843	854	804	13,565
633.	3096	602	712	939	775	977	949	1,046	999	876	642	513	482	9,514
634.	3082	763	902	941	722	964	785	873	916	776	560	649	611	9,462
635.	3122	1,184	1,401	1,847	1,398	1,393	1,248	1,699	1,714	1,381	1,217	1,008	948	16,440
636.	2982	1,004	1,187	1,565	1,524	1,628	1,294	1,057	987	919	754	831	804	13,554
637.	2734	3,252	3,847	5,072	4,938	5,276	5,192	5,650	5,397	4,730	3,469	2,768	2,604	52,197
638.	2896	502	541	599	422	593	444	549	539	451	323	359	402	5,724
639.	3063	137	163	258	205	385	285	570	219	149	407	30	280	3,088
640.	2730	502	594	783	762	814	592	823	833	730	535	427	402	7,797
641.	2515	1,280	1,162	1,615	933	965	1,801	634	623	490	566	535	1,006	11,609
642.	3021	1,144	1,354	1,338	940	1,293	677	1,488	1,547	1,113	852	974	916	13,637
643.	2907	1,144	1,241	1,451	855	1,197	793	942	1,002	714	351	643	916	11,250
644.	3106	873	1,033	1,036	746	1,116	901	1,303	1,257	1,079	663	658	699	11,365
645.	3131	1,144	1,354	1,785	1,737	1,856	1,827	1,988	1,899	1,664	1,221	974	916	18,366
646.	3031	602	712	939	914	977	962	981	890	782	642	513	482	9,398
647.	1043	602	688	688	429	490	256	173	186	246	45	195	411	4,411
648.	2898	602	712	939	914	977	962	788	758	876	584	390	482	8,986
649.	3145	1,144	1,354	1,785	1,545	1,598	1,528	1,772	1,395	1,339	1,221	974	916	16,572
650.	3201	763	902	1,190	1,158	1,238	990	1,325	1,266	1,110	814	649	611	12,016
651.	2821	1,004	1,187	1,565	1,524	1,628	1,471	1,621	1,666	1,460	1,071	854	804	15,855
652.	2881	1,004	1,187	1,565	1,524	1,628	1,603	1,744	1,666	1,460	1,071	854	804	16,110
653.	3097	1,144	1,354	1,608	1,140	1,466	1,135	1,457	1,574	1,366	1,133	974	916	15,448
654.	3068	3,724	4,405	5,808	3,746	5,319	3,184	2,193	2,618	2,534	1,398	2,803	2,982	40,715
655.	2902	1,004	1,187	1,203	981	1,296	957	1,144	1,031	1,460	1,071	854	804	12,992
656.	3172	763	902	1,190	1,158	1,027	867	1,134	1,266	817	795	649	611	11,179
657.	3108	1,004	1,187	1,275	801	1,104	945	1,253	1,621	1,460	1,071	854	804	13,379
658.	3254	478	565	744	516	775	618	695	714	556	510	407	383	6,960
659.	3153	763	902	990	1,066	1,039	939	1,184	964	808	814	649	611	10,729
660.	3235	1,144	1,354	1,785	1,714	1,856	941	1,316	980	1,011	636	974	916	14,628
661.	2760	293	442	494	211	531	77	517	590	151	989	48	287	4,631
662.	3277	763	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	12,244
663.	3083	1,506	1,519	1,588	1,451	1,897	2,037	2,616	2,499	2,190	1,606	1,282	1,206	21,395
664.	2825	5,240	6,198	8,172	7,955	8,500	8,366	9,103	8,695	7,621	5,589	4,460	4,196	84,095
665.	3228	502	594	767	497	738	444	632	598	536	506	427	402	6,643
666.	3332	763	902	1,190	950	1,238	1,218	1,325	1,266	1,110	814	649	611	12,036
667.	3192	763	902	1,190	1,047	1,238	1,218	1,236	1,266	1,110	814	649	611	12,044
668.	3200	381	451	574	535	619	497	588	633	506	407	325	305	5,821
669.	3310	245	291	357	158	540	651	506	489	541	497	376	149	4,800
670.	3342	393	465	614	597	638	628	684	653	572	420	335	315	6,315
671.	3226	1,807	2,137	2,818	2,743	2,462	1,812	2,369	2,707	2,384	1,927	1,538	1,447	26,151
672.	3352	618	731	964	939	1,003	987	1,074	1,026	899	660	526	495	9,924

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
673.	3241	522	617	789	570	764	577	907	866	664	419	444	418	7,558
674.	3313	341	404	532	518	554	545	593	566	496	364	291	273	5,477
675.	3240	903	1,069	1,333	831	989	669	660	773	893	810	769	723	10,421
676.	3227	1,044	1,235	1,628	1,585	1,694	1,630	1,698	1,732	1,518	1,114	889	836	16,602
677.	3144	602	712	831	590	953	658	679	606	614	398	513	482	7,640
678.	3319	763	902	1,190	1,049	1,225	1,004	1,325	1,266	999	791	649	611	11,774
679.	3297	602	712	939	729	942	552	603	509	611	478	513	482	7,674
680.	3343	703	831	1,096	951	986	998	1,162	1,043	759	750	598	563	10,438
681.	3300	502	594	783	762	814	801	872	833	730	535	427	402	8,055
682.	3349	420	517	504	442	559	342	759	725	635	466	372	350	6,089
683.	3308	932	1,102	1,453	930	1,182	583	1,102	1,222	1,018	793	793	746	11,706
684.	3368	1,164	934	904	926	1,259	1,179	1,443	1,394	938	941	872	932	12,888
685.	3442	1,004	1,139	1,168	1,216	1,029	876	1,465	1,544	843	954	854	804	12,896
686.	2891	1,435	679	1,150	1,070	1,087	1,010	701	4,797	370	185	525	843	13,852
687.	3380	718	1,354	1,785	931	1,190	374	447	493	399	109	966	916	9,683
688.	2890	2,891	2,996	2,637	2,100	1,581	1,420	1,761	1,015	1,989	2,592	2,461	2,315	25,758
689.	3239	2,886	3,861	5,354	4,680	5,352	4,287	5,909	5,697	4,993	3,658	2,922	2,171	51,770
690.	3337	2,008	2,375	2,991	1,849	1,668	1,585	1,733	2,250	2,005	1,909	1,709	1,608	23,688
691.	3398	1,767	2,090	2,022	1,801	1,760	889	843	567	801	734	900	1,316	15,489
692.	3450	874	1,187	1,542	861	1,125	1,117	1,406	1,322	1,262	1,011	854	804	13,366
693.	3421	631	964	1,271	1,043	1,322	804	888	980	817	595	694	653	10,662
694.	3396	418	902	1,190	764	967	644	604	787	577	323	573	611	8,360
695.	3397	788	1,805	2,278	1,361	1,914	1,243	1,803	1,650	1,422	1,094	1,299	1,222	17,877
696.	3459	554	1,354	1,785	1,737	1,856	1,442	1,988	1,899	1,664	1,221	974	916	17,390
697.	3447	146	594	783	762	814	801	872	833	730	535	427	402	7,699
698.	3393	74	902	1,190	1,158	1,238	1,218	1,325	1,266	1,110	814	649	611	11,555
699.	3412	0	687	843	585	686	593	877	854	695	535	513	482	7,351
700.	3435	0	933	1,722	1,259	1,434	1,005	1,390	1,598	1,244	923	940	884	13,333
701.	3491	0	360	769	502	604	394	394	264	354	230	285	402	4,559
702.	3513	0	501	837	615	968	698	1,048	1,152	939	649	649	611	8,666
703.	3390	0	101	532	518	554	545	593	566	496	364	291	273	4,833
704.	3449	0	387	2,379	1,426	1,349	1,134	1,396	2,532	2,041	676	936	1,222	15,477
705.	3496	0	42	783	597	746	573	514	677	535	267	391	402	5,528
706.	3545	0	0	451	334	436	351	311	222	240	384	574	540	3,844
707.	3452	0	0	0	1,335	1,387	1,662	1,610	1,538	1,249	1,221	974	916	11,892
708.	3500	0	0	0	589	829	504	446	345	336	115	275	268	3,707
709.	3522	0	0	0	965	1,535	686	955	1,129	760	1,071	854	804	8,759
710.	3472	0	0	0	6,090	16,267	9,010	10,022	13,441	10,884	7,297	8,536	8,030	89,577
711.	3597	0	0	0	406	1,385	998	1,744	1,666	1,242	809	845	804	9,899
712.	3577	0	0	0	44	1,417	1,394	1,517	1,449	1,270	932	743	699	9,466
713.	3407	0	0	0	0	3,183	2,529	2,758	2,955	2,449	1,732	1,709	1,608	18,922
714.	3523	0	0	0	0	1,210	859	1,223	1,266	1,110	814	649	611	7,741
715.	3425	0	0	0	0	8,774	8,191	9,085	5,435	6,169	6,167	4,922	4,630	53,373
716.	3552	0	0	0	0	1,142	474	254	680	272	932	191	642	4,589
717.	3589	0	0	0	0	765	1,077	1,172	1,119	727	720	574	540	6,695
718.	3379	0	0	0	0	1,946	15,834	17,230	16,458	14,424	10,579	8,442	7,941	92,853
719.	3568	0	0	0	0	786	1,544	2,338	2,265	1,985	1,330	1,162	1,093	12,503
720.	3587	0	0	0	0	572	855	898	1,295	1,055	745	846	796	7,061
721.	3569	0	0	0	0	252	456	660	721	435	403	513	482	3,923
722.	3654	0	0	0	0	221	674	623	532	501	247	384	482	3,664
723.	3614	0	0	0	0	0	1,261	1,744	1,626	1,445	1,071	854	804	8,804
724.	3558	0	0	0	0	0	1,320	1,172	1,218	1,398	1,026	854	804	7,792
725.	3512	0	0	0	0	0	1,056	1,325	1,266	1,110	814	649	611	6,830
726.	3566	0	0	0	0	0	833	869	902	830	430	502	482	4,849
727.	3521	0	0	0	0	0	1,462	1,988	1,899	1,664	1,221	974	916	10,124
728.	3544	0	0	0	0	0	354	2,175	156	145	187	1,020	1,002	5,041

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
729.	3499	0	0	0	0	0	690	768	736	751	393	649	611	4,598
730.	3606	0	0	0	0	0	792	1,988	1,623	1,031	332	557	916	7,239
731.	3373	0	0	0	0	0	731	2,541	2,384	2,748	1,437	1,948	1,833	13,622
732.	3578	0	0	0	0	0	321	788	746	623	629	721	804	4,631
733.	3576	0	0	0	0	162	0	884	789	660	360	649	611	4,115
734.	3109	0	0	0	0	0	0	1,251	1,184	726	619	649	611	5,039
735.	3605	0	0	0	0	0	0	1,631	433	845	521	648	804	4,882
736.	3690	0	0	0	0	0	0	1,276	1,323	1,216	970	854	804	6,443
737.	3704	0	0	0	0	0	0	1,169	1,199	836	448	534	611	4,796
738.	3600	0	0	0	0	0	0	739	829	692	621	520	490	3,891
739.	3604	0	0	0	0	0	0	4,861	7,196	6,307	4,626	3,691	3,472	30,153
740.	3584	0	0	0	0	0	0	1,625	2,532	2,219	1,628	1,299	1,222	10,524
741.	3446	0	0	0	0	0	0	1,026	1,899	1,664	1,221	974	916	7,700
742.	3579	0	0	0	0	0	0	313	852	727	707	595	559	3,754
743.	3726	0	0	0	0	0	0	324	942	816	545	615	579	3,821
744.	3567	0	0	0	0	0	0	236	704	562	383	598	563	3,046
745.	3703	0	0	0	0	0	0	113	1,653	1,401	1,071	854	804	5,895
746.	3658	0	0	0	0	0	0	0	776	1,026	761	649	611	3,822
747.	3548	0	0	0	0	0	0	0	1,103	1,614	630	760	916	5,023
748.	3744	0	0	0	0	0	0	0	789	733	874	697	656	3,749
749.	3670	0	0	0	0	0	0	0	675	1,192	870	974	916	4,627
750.	3756	0	0	0	0	0	0	0	268	715	365	340	502	2,190
751.	3615	0	0	0	0	0	0	0	210	688	471	669	629	2,668
752.	3779	0	0	0	0	0	0	0	103	389	194	287	309	1,282
753.	3762	0	0	0	0	0	0	0	39	273	83	141	193	729
754.	3780	0	0	0	0	0	0	0	0	467	323	328	309	1,427
755.	3693	0	0	0	0	0	0	0	0	1,355	76	982	932	3,345
756.	3810	0	0	0	0	0	0	0	0	1,128	1,182	943	887	4,141
757.	3510	0	0	0	0	0	0	0	0	6,158	7,131	5,691	5,353	24,333
758.	3784	0	0	0	0	0	0	0	0	799	689	727	694	2,910
759.	3799	0	0	0	0	0	0	0	0	1,257	1,320	1,299	1,222	5,097
760.	3857	0	0	0	0	0	0	0	0	504	652	520	490	2,166
761.	3793	0	0	0	0	0	0	0	0	533	838	669	629	2,670
762.	3797	0	0	0	0	0	0	0	0	238	712	494	656	2,100
763.	3798	0	0	0	0	0	0	0	0	292	817	588	804	2,501
764.	3816	0	0	0	0	0	0	0	0	224	744	656	617	2,242
765.	3699	0	0	0	0	0	0	0	0	234	1,713	1,367	1,231	4,545
766.	3721	0	0	0	0	0	0	0	0	146	757	289	804	1,996
767.	3668	0	0	0	0	0	0	0	0	0	382	261	305	948
768.	3811	0	0	0	0	0	0	0	0	0	622	513	482	1,617
769.	3666	0	0	0	0	0	0	0	0	0	477	513	482	1,472
770.	2851	0	0	0	0	0	0	0	0	0	106	154	145	404
771.	3830	0	0	0	0	0	0	0	0	0	201	554	521	1,276
772.	3827	0	0	0	0	0	0	0	0	0	86	706	664	1,455
773.	3669	0	0	0	0	0	0	0	0	0	53	577	575	1,205
774.	3841	0	0	0	0	0	0	0	0	0	56	694	653	1,403
775.	3851	0	0	0	0	0	0	0	0	0	73	825	844	1,742
776.	3691	0	0	0	0	0	0	0	0	0	21	513	482	1,016
777.	3824	0	0	0	0	0	0	0	0	0	22	552	522	1,097
778.	3821	0	0	0	0	0	0	0	0	0	0	306	305	611
779.	3835	0	0	0	0	0	0	0	0	0	0	563	611	1,174
780.	3822	0	0	0	0	0	0	0	0	0	0	492	579	1,071
781.	3848	0	0	0	0	0	0	0	0	0	0	1,310	1,608	2,918
782.	3834	0	0	0	0	0	0	0	0	0	0	313	402	715
783.	3924	0	0	0	0	0	0	0	0	0	0	383	676	1,059
784.	3783	0	0	0	0	0	0	0	0	0	0	347	653	1,000

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Generated kWh less monthly banked kWh (actual kWh displaced).

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
785.	3886	0	0	0	0	0	0	0	0	0	0	198	466	664
786.	3860	0	0	0	0	0	0	0	0	0	0	313	804	1,117
787.	3861	0	0	0	0	0	0	0	0	0	0	238	611	849
788.	3875	0	0	0	0	0	0	0	0	0	0	293	752	1,046
789.	3852	0	0	0	0	0	0	0	0	0	0	216	611	827
790.	3873	0	0	0	0	0	0	0	0	0	0	173	490	663
791.	3893	0	0	0	0	0	0	0	0	0	0	119	420	539
792.	3656	0	0	0	0	0	0	0	0	0	0	130	916	1,046
793.	3929	0	0	0	0	0	0	0	0	0	0	107	719	826
794.	3955	0	0	0	0	0	0	0	0	0	0	87	611	697
795.	3595	0	0	0	0	0	0	0	0	0	0	130	1,048	1,178
796.	3607	0	0	0	0	0	0	0	0	0	0	140	1,224	1,364
797.	3894	0	0	0	0	0	0	0	0	0	0	0	552	552
798.	3862	0	0	0	0	0	0	0	0	0	0	0	532	532
799.	3763	0	0	0	0	0	0	0	0	0	0	0	3,920	3,920
800.	3832	0	0	0	0	0	0	0	0	0	0	0	327	327
801.	3960	0	0	0	0	0	0	0	0	0	0	0	327	327
802.	3910	0	0	0	0	0	0	0	0	0	0	0	394	394
803.	3781	0	0	0	0	0	0	0	0	0	0	0	493	493
804.	3806	0	0	0	0	0	0	0	0	0	0	0	374	374
805.	3912	0	0	0	0	0	0	0	0	0	0	0	308	308
806.	3883	0	0	0	0	0	0	0	0	0	0	0	276	276
807.	3831	0	0	0	0	0	0	0	0	0	0	0	337	337
808.	3864	0	0	0	0	0	0	0	0	0	0	0	224	224
809.	3877	0	0	0	0	0	0	0	0	0	0	0	560	560
810.	3892	0	0	0	0	0	0	0	0	0	0	0	70	70
811.	3905	0	0	0	0	0	0	0	0	0	0	0	174	174
812.	3842	0	0	0	0	0	0	0	0	0	0	0	79	79
813.	3982	0	0	0	0	0	0	0	0	0	0	0	52	52
Total		666,130	779,087	987,981	854,154	954,657	849,865	1,018,493	996,844	841,254	659,547	553,814	531,123	9,692,948

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
1.	749	\$1.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.75
2.	759	\$7.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.52
3.	648	\$6.18	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.18
4.	743	\$9.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.35
5.	647	\$8.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.02
6.	751	\$17.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.56
7.	690	\$6.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.53
8.	668	\$9.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.17
9.	550	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10.	722	\$13.17	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13.17
11.	620	\$40.48	\$10.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$50.74
12.	782	\$21.30	\$9.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.20
13.	680	\$21.30	\$11.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.00
14.	684	\$17.75	\$13.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.25
15.	739	\$26.36	\$20.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.41
16.	809	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17.	702	\$21.30	\$25.20	\$33.22	\$6.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$86.19
18.	775	\$21.30	\$25.20	\$33.22	\$2.05	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$81.77
19.	876/916	\$45.80	\$53.01	\$57.10	\$18.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$174.46
20.	822	\$19.35	\$22.89	\$30.18	\$9.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$82.21
21.	790	\$28.27	\$19.56	\$54.97	\$2.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$105.03
22.	837	\$26.98	\$31.92	\$42.08	\$17.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$118.74
23.	610	\$29.29	\$34.65	\$39.10	\$6.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$109.74
24.	899	\$28.76	\$34.02	\$44.85	\$6.23	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$113.85
25.	897	\$35.97	\$42.55	\$56.09	\$40.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$175.52
26.	740	\$14.73	\$17.43	\$21.88	\$15.79	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$69.83
27.	904	\$26.63	\$31.50	\$41.53	\$28.69	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$128.34
28.	914	\$14.56	\$17.22	\$22.70	\$20.44	\$0.77	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$75.68
29.	875	\$22.01	\$26.04	\$34.33	\$30.84	\$4.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$117.86
30.	898	\$40.76	\$48.22	\$55.22	\$37.26	\$6.74	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$188.20
31.	893	\$38.35	\$45.36	\$59.80	\$53.65	\$12.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$209.27
32.	673	\$10.65	\$5.91	\$9.50	\$7.79	\$2.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.41
33.	860	\$25.56	\$30.24	\$39.87	\$38.81	\$28.26	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$162.74
34.	933	\$31.95	\$37.80	\$44.07	\$33.08	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$177.02
35.	950	\$38.35	\$45.36	\$59.80	\$58.22	\$56.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$258.24
36.	810	\$141.03	\$132.25	\$152.09	\$128.31	\$93.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$647.38
37.	882	\$17.75	\$21.00	\$27.65	\$19.74	\$25.68	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$111.81
38.	923	\$14.20	\$16.80	\$22.15	\$15.51	\$23.17	\$2.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$94.12
39.	931	\$20.77	\$24.57	\$32.39	\$20.18	\$23.79	\$3.34	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$125.04
40.	674	\$21.30	\$25.20	\$33.22	\$24.77	\$28.22	\$5.70	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$138.42
41.	788	\$29.65	\$35.07	\$46.23	\$30.26	\$34.57	\$7.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$183.72
42.	947	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
43.	930	\$22.37	\$26.46	\$34.88	\$28.55	\$36.50	\$10.43	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$159.19
44.	982	\$38.17	\$45.15	\$47.14	\$27.42	\$46.02	\$14.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$218.71
45.	945	\$19.17	\$22.68	\$26.89	\$16.62	\$20.58	\$4.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$110.66
46.	962	\$11.18	\$13.23	\$17.44	\$16.98	\$18.25	\$6.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$83.67
47.	983/3661	\$28.40	\$33.07	\$43.76	\$41.53	\$46.35	\$23.73	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$216.85
48.	925	\$28.76	\$34.02	\$44.85	\$43.66	\$46.93	\$41.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$239.71
49.	824	\$38.88	\$45.99	\$60.63	\$56.90	\$54.19	\$30.24	\$4.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$291.21
50.	912	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$2.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$152.87
51.	1018	\$36.64	\$43.34	\$57.14	\$46.40	\$50.97	\$48.06	\$3.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$286.10
52.	966	\$31.93	\$42.00	\$55.37	\$53.90	\$56.91	\$43.71	\$21.78	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$305.60
53.	957	\$11.72	\$13.86	\$18.27	\$13.54	\$15.42	\$12.45	\$7.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$92.26
54.	1052	\$16.79	\$19.87	\$26.19	\$25.50	\$27.40	\$24.34	\$18.49	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$158.58
55.	832	\$22.19	\$26.25	\$34.61	\$24.99	\$29.98	\$17.95	\$25.39	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$181.36
56.	880	\$29.65	\$35.07	\$42.10	\$33.90	\$42.68	\$32.21	\$23.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$239.14

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
57.	911	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
58.	1011	\$33.59	\$39.73	\$52.38	\$33.52	\$46.34	\$29.32	\$19.11	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$253.99
59.	902	\$17.75	\$21.00	\$27.68	\$22.81	\$28.97	\$20.79	\$20.92	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$159.93
60.	1009	\$27.48	\$32.51	\$39.92	\$23.40	\$36.20	\$34.78	\$48.03	\$14.80	\$0.00	\$0.00	\$0.00	\$0.00	\$257.11
61.	1019	\$26.98	\$31.92	\$42.08	\$29.76	\$39.23	\$31.13	\$30.29	\$1.15	\$0.00	\$0.00	\$0.00	\$0.00	\$232.54
62.	1061	\$15.27	\$18.06	\$23.81	\$19.64	\$24.91	\$15.94	\$19.07	\$6.16	\$0.00	\$0.00	\$0.00	\$0.00	\$142.86
63.	1093	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$41.95	\$47.16	\$17.44	\$0.00	\$0.00	\$0.00	\$0.00	\$292.53
64.	1118	\$23.66	\$27.99	\$36.90	\$28.89	\$33.42	\$25.55	\$41.36	\$25.49	\$0.00	\$0.00	\$0.00	\$0.00	\$243.26
65.	1132	\$34.35	\$40.63	\$53.57	\$40.87	\$56.05	\$46.95	\$48.01	\$22.80	\$0.00	\$0.00	\$0.00	\$0.00	\$343.23
66.	905	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
67.	924	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$27.53	\$0.00	\$0.00	\$0.00	\$0.00	\$245.80
68.	1154	\$28.26	\$33.43	\$44.07	\$40.96	\$46.12	\$39.59	\$49.39	\$36.52	\$0.00	\$0.00	\$0.00	\$0.00	\$318.35
69.	1034	\$21.30	\$25.20	\$33.22	\$30.26	\$26.97	\$16.21	\$37.23	\$30.97	\$0.00	\$0.00	\$0.00	\$0.00	\$221.36
70.	908	\$41.54	\$49.14	\$64.11	\$48.35	\$65.26	\$57.68	\$72.60	\$69.34	\$3.91	\$0.00	\$0.00	\$0.00	\$471.93
71.	1270	\$21.30	\$25.20	\$33.22	\$21.10	\$32.27	\$30.73	\$35.74	\$30.97	\$11.43	\$0.00	\$0.00	\$0.00	\$241.95
72.	842	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
73.	1062	\$21.30	\$25.20	\$31.03	\$23.29	\$32.09	\$29.80	\$37.09	\$35.56	\$4.34	\$0.00	\$0.00	\$0.00	\$239.70
74.	1220	\$35.11	\$41.54	\$54.76	\$53.31	\$57.30	\$56.39	\$61.37	\$58.62	\$27.40	\$0.00	\$0.00	\$0.00	\$445.80
75.	1099	\$18.32	\$21.67	\$26.63	\$17.95	\$29.90	\$29.42	\$32.02	\$30.58	\$16.08	\$0.00	\$0.00	\$0.00	\$222.56
76.	913	\$31.95	\$37.80	\$49.83	\$38.26	\$51.97	\$47.87	\$55.85	\$53.34	\$32.72	\$0.00	\$0.00	\$0.00	\$399.59
77.	1155	\$21.37	\$25.28	\$33.33	\$32.45	\$34.88	\$32.73	\$37.35	\$35.68	\$25.02	\$0.00	\$0.00	\$0.00	\$278.09
78.	1051	\$26.98	\$31.92	\$41.05	\$27.46	\$41.44	\$34.19	\$47.16	\$45.04	\$31.37	\$0.00	\$0.00	\$0.00	\$326.61
79.	1102	\$26.98	\$31.92	\$42.08	\$36.97	\$44.03	\$36.43	\$47.16	\$45.04	\$38.16	\$0.00	\$0.00	\$0.00	\$348.78
80.	1193	\$15.27	\$18.06	\$22.29	\$11.86	\$17.83	\$24.52	\$26.68	\$25.49	\$22.34	\$0.53	\$0.00	\$0.00	\$184.86
81.	1008	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
82.	1131	\$36.64	\$43.34	\$57.14	\$55.63	\$58.65	\$19.85	\$13.33	\$16.73	\$11.83	\$7.61	\$0.00	\$0.00	\$320.76
83.	1275	\$20.63	\$24.40	\$32.17	\$21.87	\$30.25	\$20.07	\$31.60	\$34.43	\$20.39	\$2.94	\$0.00	\$0.00	\$238.76
84.	1181	\$21.30	\$25.20	\$28.80	\$17.81	\$26.47	\$15.64	\$28.80	\$33.68	\$22.70	\$0.41	\$0.00	\$0.00	\$220.80
85.	1074	\$17.75	\$21.00	\$27.68	\$17.72	\$22.74	\$28.51	\$31.03	\$29.63	\$25.97	\$7.54	\$0.00	\$0.00	\$229.59
86.	1241	\$23.01	\$27.22	\$35.88	\$23.01	\$30.46	\$23.93	\$33.56	\$38.37	\$33.66	\$15.13	\$0.00	\$0.00	\$284.22
87.	1309	\$24.43	\$28.90	\$38.09	\$37.09	\$39.86	\$26.92	\$37.03	\$34.37	\$31.54	\$16.06	\$0.00	\$0.00	\$314.29
88.	1346	\$19.85	\$23.48	\$30.95	\$16.44	\$21.68	\$13.19	\$26.50	\$33.13	\$21.24	\$5.69	\$0.00	\$0.00	\$212.16
89.	1196	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$31.29	\$35.13	\$35.56	\$31.17	\$14.75	\$0.00	\$0.00	\$294.73
90.	1208	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$29.78	\$28.51	\$31.63	\$29.39	\$13.52	\$0.00	\$0.00	\$314.82
91.	1279	\$20.63	\$24.40	\$32.17	\$28.84	\$27.65	\$22.31	\$33.56	\$34.43	\$28.97	\$9.69	\$0.00	\$0.00	\$262.66
92.	1327	\$22.12	\$26.17	\$34.50	\$22.72	\$26.10	\$29.51	\$37.63	\$36.92	\$32.36	\$12.75	\$0.00	\$0.00	\$280.77
93.	1201	\$26.98	\$31.92	\$42.08	\$40.76	\$44.03	\$22.34	\$26.09	\$27.33	\$21.90	\$8.84	\$0.00	\$0.00	\$292.28
94.	1144	\$26.98	\$31.92	\$42.08	\$33.54	\$40.79	\$31.70	\$46.09	\$45.04	\$35.60	\$24.28	\$0.00	\$0.00	\$358.04
95.	1298	\$12.21	\$11.87	\$12.11	\$11.93	\$14.17	\$19.61	\$17.50	\$16.33	\$13.35	\$9.07	\$0.00	\$0.00	\$138.15
96.	1077	\$26.98	\$31.92	\$41.83	\$38.21	\$41.19	\$25.65	\$27.70	\$21.10	\$26.35	\$19.50	\$0.00	\$0.00	\$300.42
97.	766	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
98.	1216	\$18.32	\$21.67	\$28.57	\$22.62	\$26.94	\$16.83	\$29.78	\$25.49	\$26.52	\$18.39	\$0.00	\$0.00	\$235.13
99.	1284	\$22.90	\$27.09	\$35.71	\$27.62	\$25.88	\$15.89	\$14.87	\$17.02	\$20.77	\$8.33	\$0.00	\$0.00	\$216.08
100.	1069	\$17.75	\$21.00	\$27.68	\$20.94	\$24.49	\$16.09	\$25.01	\$27.78	\$20.95	\$12.71	\$0.00	\$0.00	\$214.41
101.	783	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
102.	1249	\$35.79	\$42.34	\$51.28	\$30.53	\$43.64	\$53.38	\$62.55	\$59.74	\$52.36	\$38.40	\$3.06	\$0.00	\$473.07
103.	1277	\$26.98	\$31.92	\$42.08	\$28.38	\$37.34	\$28.71	\$25.42	\$28.18	\$29.30	\$24.40	\$2.31	\$0.00	\$305.02
104.	1143	\$42.61	\$50.40	\$61.31	\$36.00	\$69.52	\$48.46	\$47.13	\$45.40	\$37.32	\$12.95	\$4.86	\$0.00	\$455.97
105.	1217	\$40.48	\$47.88	\$63.12	\$61.45	\$53.52	\$35.04	\$57.89	\$62.87	\$54.63	\$43.43	\$4.62	\$0.00	\$524.93
106.	1363	\$25.21	\$29.82	\$39.31	\$24.83	\$33.06	\$24.97	\$31.60	\$39.55	\$29.37	\$19.15	\$2.88	\$0.00	\$299.76
107.	1412	\$12.21	\$14.45	\$19.05	\$16.14	\$19.93	\$18.55	\$21.35	\$20.39	\$17.87	\$13.11	\$1.74	\$0.00	\$174.77
108.	1100	\$26.98	\$31.92	\$34.05	\$19.64	\$26.74	\$17.26	\$25.56	\$35.12	\$25.49	\$14.05	\$4.62	\$0.00	\$261.43
109.	1081	\$26.98	\$31.92	\$37.66	\$31.17	\$44.03	\$29.49	\$41.25	\$41.63	\$30.08	\$28.95	\$3.30	\$0.00	\$346.48
110.	1188	\$40.48	\$47.88	\$63.12	\$48.08	\$56.37	\$44.19	\$70.74	\$67.57	\$59.21	\$43.43	\$10.40	\$0.00	\$551.46
111.	1190	\$13.49	\$15.96	\$20.72	\$15.50	\$18.99	\$10.64	\$23.58	\$22.52	\$10.74	\$9.32	\$1.79	\$0.00	\$163.25
112.	1265	\$26.98	\$31.92	\$42.08	\$35.49	\$44.03	\$36.11	\$47.16	\$45.04	\$39.48	\$28.95	\$6.93	\$0.00	\$384.18

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
113.	1297	\$35.50	\$42.00	\$55.37	\$46.05	\$52.32	\$36.67	\$62.05	\$59.27	\$51.94	\$35.57	\$9.12	\$0.00	\$485.86
114.	1387	\$20.63	\$24.40	\$32.17	\$31.32	\$33.66	\$33.13	\$36.05	\$34.43	\$30.18	\$22.13	\$5.30	\$0.00	\$303.41
115.	1454	\$27.48	\$32.51	\$38.19	\$21.10	\$20.12	\$16.06	\$24.19	\$12.50	\$11.13	\$11.41	\$3.68	\$0.00	\$218.37
116.	1449/1565	\$53.97	\$63.84	\$84.16	\$51.48	\$77.07	\$61.09	\$82.65	\$80.62	\$71.62	\$57.12	\$13.86	\$0.00	\$697.49
117.	1269	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$17.17	\$18.30	\$19.19	\$18.53	\$16.03	\$7.90	\$0.00	\$243.96
118.	1271	\$6.11	\$7.22	\$8.43	\$5.06	\$7.72	\$5.00	\$6.12	\$7.45	\$6.77	\$4.10	\$1.87	\$0.00	\$64.86
119.	1280	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$10.01	\$0.00	\$399.96
120.	1288	\$40.90	\$48.38	\$63.79	\$62.10	\$66.74	\$65.69	\$71.48	\$68.28	\$59.84	\$43.89	\$15.18	\$0.00	\$606.26
121.	1120	\$9.59	\$11.34	\$14.95	\$14.55	\$15.64	\$15.40	\$16.75	\$16.00	\$14.02	\$10.29	\$4.38	\$0.00	\$142.91
122.	1046	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$13.86	\$0.00	\$403.81
123.	1287	\$13.49	\$15.96	\$19.63	\$13.41	\$21.09	\$16.90	\$19.91	\$18.89	\$17.00	\$12.80	\$6.93	\$0.00	\$176.02
124.	1299	\$16.01	\$18.94	\$24.97	\$15.89	\$21.11	\$14.65	\$15.89	\$16.95	\$13.50	\$12.49	\$9.14	\$0.00	\$179.54
125.	1179	\$26.98	\$31.92	\$42.08	\$40.12	\$40.76	\$35.79	\$41.75	\$45.04	\$39.48	\$28.95	\$17.71	\$0.00	\$390.59
126.	1146	\$49.71	\$58.80	\$65.84	\$37.02	\$52.65	\$36.10	\$70.01	\$69.67	\$58.03	\$34.23	\$26.33	\$0.00	\$558.38
127.	1254	\$42.61	\$50.40	\$66.44	\$60.30	\$69.52	\$41.70	\$58.95	\$68.88	\$53.40	\$42.09	\$29.18	\$0.00	\$583.48
128.	1238	\$16.79	\$19.87	\$26.19	\$19.41	\$25.02	\$17.01	\$17.82	\$21.02	\$18.13	\$16.42	\$14.38	\$0.44	\$212.50
129.	1286	\$17.04	\$20.16	\$24.81	\$25.87	\$27.81	\$21.07	\$26.90	\$23.82	\$24.93	\$18.29	\$14.59	\$0.44	\$245.75
130.	1437	\$22.90	\$27.09	\$28.32	\$21.08	\$36.62	\$25.61	\$30.70	\$38.23	\$33.50	\$24.57	\$19.61	\$0.60	\$308.83
131.	1010	\$26.98	\$31.92	\$42.08	\$23.64	\$38.45	\$34.01	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$1.40	\$382.22
132.	1268	\$17.75	\$21.00	\$27.68	\$23.66	\$24.84	\$15.84	\$21.56	\$20.17	\$16.40	\$9.90	\$15.20	\$0.92	\$214.94
133.	1342	\$35.50	\$42.00	\$55.37	\$41.45	\$52.85	\$39.34	\$52.73	\$59.27	\$50.34	\$38.10	\$30.40	\$1.85	\$499.20
134.	1416	\$14.20	\$16.80	\$22.15	\$21.56	\$23.17	\$22.81	\$24.82	\$23.71	\$20.78	\$15.24	\$12.16	\$0.74	\$218.14
135.	1436	\$27.48	\$32.51	\$42.86	\$31.68	\$41.46	\$27.73	\$42.86	\$42.49	\$28.28	\$20.27	\$23.53	\$1.43	\$356.72
136.	1082	\$13.49	\$15.50	\$17.33	\$10.69	\$14.97	\$10.28	\$22.08	\$20.60	\$19.52	\$10.81	\$10.06	\$1.05	\$166.39
137.	1294	\$26.98	\$31.92	\$42.08	\$38.31	\$41.04	\$24.34	\$22.47	\$23.55	\$19.91	\$17.67	\$23.10	\$2.10	\$313.49
138.	1345	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$47.59	\$53.48	\$37.92	\$33.97	\$36.50	\$30.40	\$2.77	\$467.35
139.	1386	\$17.75	\$21.00	\$21.53	\$15.10	\$22.28	\$16.73	\$30.35	\$25.65	\$22.80	\$12.93	\$12.92	\$1.38	\$220.44
140.	1393	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$0.83	\$163.88
141.	1435	\$17.75	\$21.00	\$27.68	\$25.64	\$28.97	\$24.38	\$30.49	\$29.63	\$25.97	\$19.05	\$15.20	\$1.38	\$267.16
142.	1389	\$36.64	\$42.60	\$44.37	\$27.37	\$44.63	\$29.38	\$32.80	\$29.68	\$25.00	\$19.53	\$22.41	\$3.81	\$358.22
143.	1460	\$18.32	\$21.67	\$28.57	\$27.81	\$29.90	\$20.67	\$19.42	\$19.27	\$18.12	\$19.66	\$15.69	\$1.90	\$241.00
144.	1350/3351	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
145.	1145	\$13.49	\$15.96	\$21.04	\$12.67	\$18.74	\$21.67	\$23.58	\$22.52	\$19.74	\$12.88	\$11.55	\$3.16	\$196.99
146.	1156	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$49.94	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$8.30	\$544.72
147.	1326	\$35.50	\$42.00	\$55.37	\$38.34	\$46.27	\$40.87	\$47.68	\$39.27	\$46.50	\$32.94	\$30.40	\$8.30	\$483.43
148.	1339	\$40.48	\$47.88	\$63.12	\$61.45	\$66.05	\$38.14	\$35.26	\$39.03	\$39.57	\$37.99	\$34.66	\$9.47	\$513.09
149.	1103	\$26.98	\$31.92	\$42.08	\$39.73	\$41.40	\$22.73	\$29.65	\$33.09	\$28.84	\$25.75	\$23.10	\$7.01	\$352.29
150.	1104	\$17.75	\$21.00	\$27.68	\$26.92	\$28.97	\$25.70	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$4.61	\$273.51
151.	1105	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$16.04	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$2.77	\$164.75
152.	1194	\$40.48	\$47.88	\$63.12	\$38.92	\$47.72	\$37.18	\$58.07	\$63.94	\$49.43	\$35.32	\$32.66	\$10.52	\$525.24
153.	1245	\$35.50	\$42.00	\$55.37	\$35.62	\$48.44	\$45.35	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$9.23	\$513.26
154.	1213	\$35.50	\$42.00	\$55.37	\$43.68	\$46.45	\$34.25	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$12.92	\$505.70
155.	1258	\$17.75	\$21.00	\$27.68	\$18.25	\$24.52	\$17.84	\$25.72	\$29.06	\$19.53	\$17.66	\$15.20	\$6.46	\$240.68
156.	1262	\$17.75	\$21.00	\$27.68	\$26.74	\$28.29	\$23.49	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$6.46	\$272.30
157.	1276	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$21.67	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$4.91	\$211.44
158.	1325	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$6.46	\$278.20
159.	1344	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$6.46	\$278.20
160.	1242/3735	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$27.06	\$31.75	\$59.21	\$30.62	\$23.95	\$33.56	\$14.26	\$367.24
161.	1475	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
162.	1489	\$26.98	\$29.13	\$32.00	\$20.31	\$30.97	\$19.11	\$36.02	\$28.43	\$30.55	\$15.36	\$16.52	\$11.22	\$296.60
163.	1476	\$13.49	\$15.96	\$20.09	\$18.01	\$22.02	\$14.02	\$13.23	\$11.21	\$10.84	\$9.25	\$11.55	\$5.96	\$165.61
164.	1273	\$21.30	\$25.20	\$33.22	\$30.86	\$34.76	\$29.23	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$9.96	\$329.59
165.	1251	\$17.75	\$21.00	\$27.68	\$17.83	\$21.82	\$16.16	\$23.16	\$26.75	\$20.24	\$15.21	\$14.28	\$9.69	\$231.57
166.	1516	\$26.98	\$31.92	\$42.08	\$35.56	\$44.03	\$43.34	\$47.16	\$45.04	\$33.46	\$27.42	\$23.10	\$14.72	\$414.82
167.	1264	\$24.43	\$28.90	\$38.09	\$35.46	\$39.86	\$33.29	\$26.64	\$28.29	\$21.36	\$22.87	\$20.92	\$13.96	\$334.06
168.	1267	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$48.66	\$49.60	\$45.89	\$38.10	\$38.10	\$30.40	\$20.30	\$515.76

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
169.														
170.	1021	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
171.	1324	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$0.00	\$338.83
172.	1583	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$57.02	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$21.22	\$564.71
173.	1484	\$32.06	\$37.93	\$50.00	\$36.26	\$45.49	\$30.53	\$36.36	\$44.52	\$36.30	\$34.40	\$27.45	\$23.33	\$434.62
174.	1075	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.30	\$171.35
175.	1166	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
176.	1373	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$57.02	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$27.68	\$571.17
177.	1417	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$57.02	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$27.68	\$496.97
178.	1340	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$41.66	\$47.16	\$45.04	\$38.09	\$24.19	\$19.83	\$21.73	\$423.69
179.	1368	\$51.13	\$60.48	\$79.73	\$53.15	\$58.45	\$39.13	\$89.35	\$85.35	\$64.69	\$53.33	\$43.78	\$41.18	\$719.75
180.	1444	\$31.24	\$47.88	\$61.25	\$31.67	\$46.30	\$39.31	\$70.74	\$67.57	\$59.21	\$43.43	\$23.77	\$32.60	\$554.98
181.	1252	\$10.65	\$12.60	\$14.63	\$6.62	\$8.24	\$1.56	\$10.18	\$17.78	\$15.58	\$10.50	\$6.88	\$8.58	\$123.81
182.	1465	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
183.	1551	\$21.30	\$25.20	\$33.22	\$17.49	\$23.98	\$15.75	\$17.38	\$17.10	\$17.82	\$13.64	\$16.03	\$17.16	\$236.07
184.	1614	\$26.98	\$31.92	\$42.08	\$32.55	\$34.28	\$29.81	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$403.10
185.	1161	\$26.98	\$31.92	\$42.08	\$29.65	\$30.26	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$409.70
186.	1557	\$27.48	\$32.51	\$42.86	\$37.55	\$30.58	\$14.96	\$25.65	\$32.35	\$31.77	\$20.84	\$12.75	\$22.14	\$331.42
187.	1541	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
188.	1617	\$17.75	\$21.00	\$27.68	\$19.10	\$21.71	\$16.06	\$21.28	\$18.85	\$18.78	\$13.68	\$10.50	\$14.30	\$220.70
189.	1648	\$13.74	\$16.25	\$21.43	\$20.86	\$19.58	\$16.34	\$17.79	\$21.16	\$16.65	\$14.74	\$11.77	\$11.07	\$201.37
190.	1522	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
191.	1640	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
192.	1658	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
193.	1688	\$21.30	\$25.20	\$33.22	\$24.03	\$28.71	\$21.83	\$26.70	\$29.09	\$25.47	\$22.86	\$18.24	\$17.16	\$293.81
194.	1210	\$49.00	\$57.96	\$76.41	\$74.39	\$79.95	\$78.69	\$85.63	\$81.79	\$71.68	\$52.57	\$41.95	\$39.47	\$789.49
195.	1537	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$332.33
196.	1548	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$15.50	\$15.27	\$17.78	\$13.88	\$11.43	\$9.12	\$8.58	\$164.97
197.	1656	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$22.96	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$277.31
198.	1604	\$40.48	\$47.88	\$63.12	\$57.98	\$66.05	\$56.68	\$57.11	\$38.78	\$51.10	\$43.43	\$34.66	\$32.60	\$589.87
199.	1418	\$35.50	\$42.00	\$49.29	\$30.21	\$30.47	\$29.66	\$45.26	\$40.84	\$32.45	\$31.23	\$30.40	\$28.60	\$425.89
200.	1576	\$39.06	\$46.20	\$60.91	\$59.30	\$63.73	\$57.60	\$68.26	\$65.20	\$57.14	\$41.91	\$33.44	\$31.46	\$624.18
201.	1620	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$38.53	\$47.16	\$45.04	\$34.42	\$28.95	\$23.10	\$21.73	\$424.94
202.	1488	\$21.30	\$22.94	\$23.18	\$21.80	\$21.99	\$21.23	\$30.83	\$29.30	\$22.48	\$20.26	\$18.24	\$17.16	\$269.71
203.	1643	\$17.57	\$20.79	\$27.41	\$21.52	\$24.20	\$21.22	\$30.71	\$29.34	\$25.00	\$18.86	\$15.05	\$14.16	\$265.82
204.	1509	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
205.	1361	\$21.30	\$25.20	\$33.22	\$32.17	\$29.39	\$31.44	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$334.93
206.	1399/3347	\$17.15	\$20.29	\$24.27	\$24.97	\$27.98	\$16.37	\$15.42	\$13.93	\$11.92	\$11.75	\$11.23	\$13.81	\$209.10
207.	1722	\$21.30	\$20.07	\$22.79	\$21.41	\$22.31	\$20.87	\$24.10	\$23.64	\$20.63	\$17.88	\$18.24	\$17.16	\$250.41
208.	1172	\$25.19	\$29.80	\$39.28	\$38.25	\$38.37	\$39.39	\$44.02	\$42.05	\$33.58	\$27.03	\$21.57	\$20.29	\$398.82
209.	1357	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
210.	1485	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$45.53	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$28.60	\$554.45
211.	1553	\$33.23	\$39.31	\$51.83	\$36.38	\$41.95	\$49.71	\$58.08	\$55.48	\$45.77	\$35.66	\$28.45	\$26.77	\$502.62
212.	1582	\$35.50	\$42.00	\$55.37	\$36.43	\$39.90	\$33.04	\$53.87	\$51.26	\$44.93	\$37.85	\$30.40	\$28.60	\$489.15
213.	1616	\$40.48	\$47.88	\$63.12	\$61.45	\$61.81	\$60.16	\$70.74	\$67.57	\$51.92	\$43.43	\$34.66	\$32.60	\$635.82
214.	1689	\$10.65	\$12.60	\$16.61	\$14.12	\$14.68	\$12.34	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$162.10
215.	1718	\$21.30	\$25.20	\$28.84	\$24.21	\$26.65	\$15.96	\$30.19	\$27.02	\$19.46	\$19.05	\$15.20	\$14.30	\$274.66
216.	1776	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
217.	1596	\$18.32	\$21.67	\$28.57	\$27.81	\$29.90	\$29.42	\$32.02	\$30.58	\$25.81	\$19.66	\$15.69	\$14.76	\$294.20
218.	1853	\$16.05	\$17.14	\$23.22	\$24.36	\$20.92	\$19.16	\$28.05	\$21.91	\$18.03	\$17.22	\$13.74	\$12.93	\$232.74
219.	1400	\$26.98	\$30.65	\$31.61	\$27.21	\$26.88	\$23.05	\$39.37	\$39.74	\$25.56	\$23.01	\$23.10	\$21.73	\$338.91
220.	1383	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.63
221.	1195	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$53.04	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$28.60	\$568.11
222.	1263	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
223.	1546	\$26.98	\$31.92	\$42.08	\$37.01	\$30.51	\$35.08	\$34.95	\$39.92	\$35.60	\$28.95	\$23.10	\$21.73	\$387.85
224.	1695	\$35.50	\$42.00	\$44.44	\$41.17	\$48.83	\$48.73	\$62.05	\$59.27	\$41.52	\$34.36	\$30.40	\$28.60	\$516.87

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
225.	1517	\$21.30	\$25.20	\$33.22	\$24.70	\$25.94	\$25.10	\$33.39	\$31.93	\$25.01	\$22.86	\$18.24	\$17.16	\$304.06
226.	1110	\$65.35	\$60.28	\$61.44	\$57.57	\$62.64	\$61.55	\$77.69	\$78.63	\$56.91	\$69.13	\$56.61	\$61.80	\$769.60
227.	1391	\$35.50	\$42.00	\$55.37	\$47.26	\$45.06	\$46.24	\$55.86	\$59.27	\$44.83	\$38.10	\$30.40	\$28.60	\$528.48
228.	1296	\$17.75	\$21.00	\$24.78	\$17.69	\$18.76	\$18.58	\$26.90	\$24.37	\$24.09	\$19.05	\$15.20	\$14.30	\$242.46
229.	1712	\$40.48	\$47.88	\$63.12	\$41.40	\$36.23	\$31.52	\$37.33	\$46.00	\$42.24	\$41.47	\$34.66	\$32.60	\$494.93
230.	1341	\$39.06	\$46.20	\$49.55	\$42.99	\$43.27	\$48.13	\$68.26	\$65.20	\$55.71	\$41.91	\$33.44	\$31.46	\$565.17
231.	1710	\$24.14	\$28.56	\$37.65	\$36.66	\$36.80	\$30.73	\$42.19	\$40.30	\$35.32	\$25.91	\$20.67	\$19.45	\$378.38
232.	1715	\$13.49	\$15.96	\$21.04	\$16.70	\$14.65	\$14.73	\$23.58	\$22.52	\$15.93	\$14.48	\$11.55	\$10.87	\$195.50
233.	1788	\$35.50	\$39.88	\$40.44	\$34.38	\$31.86	\$34.32	\$62.05	\$59.27	\$38.56	\$28.88	\$28.44	\$28.60	\$462.19
234.	1448	\$21.30	\$25.20	\$33.22	\$25.76	\$24.12	\$16.64	\$14.28	\$13.15	\$11.03	\$12.72	\$15.07	\$17.16	\$229.65
235.	1428	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
236.	1474	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$39.63	\$43.74	\$45.04	\$34.78	\$28.95	\$23.10	\$21.73	\$422.98
237.	1491	\$17.75	\$21.00	\$27.68	\$23.63	\$21.78	\$20.58	\$31.03	\$29.63	\$24.09	\$19.05	\$15.20	\$14.30	\$265.71
238.	1073	\$35.50	\$42.00	\$55.37	\$45.31	\$47.05	\$57.02	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$28.60	\$552.61
239.	1691	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
240.	1925	\$21.30	\$25.20	\$27.39	\$24.53	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$329.60
241.	1539	\$13.49	\$15.96	\$18.81	\$14.26	\$14.33	\$13.84	\$11.55	\$11.92	\$14.33	\$14.16	\$11.55	\$10.87	\$165.07
242.	1588	\$26.98	\$31.92	\$42.08	\$40.47	\$39.05	\$35.44	\$47.16	\$38.92	\$25.21	\$28.95	\$23.10	\$21.73	\$401.03
243.	1544	\$40.48	\$47.88	\$62.73	\$61.45	\$66.05	\$65.00	\$70.74	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$651.80
244.	1697	\$62.49	\$73.92	\$88.89	\$79.17	\$75.89	\$91.03	\$109.21	\$104.31	\$91.42	\$67.05	\$43.97	\$50.33	\$937.68
245.	1849	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$21.67	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$217.40
246.	1606	\$45.80	\$54.18	\$71.43	\$69.54	\$74.74	\$73.56	\$80.04	\$76.46	\$67.01	\$49.15	\$39.22	\$36.89	\$738.00
247.	1731	\$19.10	\$22.60	\$25.37	\$11.60	\$17.40	\$9.97	\$17.69	\$27.37	\$24.17	\$16.40	\$16.36	\$15.39	\$223.41
248.	1877	\$33.23	\$39.31	\$51.83	\$50.45	\$50.81	\$34.05	\$38.26	\$33.52	\$37.55	\$35.66	\$28.45	\$26.77	\$459.91
249.	1930	\$17.04	\$20.16	\$23.36	\$14.80	\$13.90	\$8.94	\$7.80	\$7.88	\$8.35	\$8.32	\$14.41	\$13.73	\$158.70
250.	1783	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
251.	1657	\$26.98	\$31.92	\$42.08	\$39.13	\$37.17	\$37.78	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$420.53
252.	1693	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$16.47	\$18.62	\$17.78	\$14.84	\$11.43	\$9.12	\$8.58	\$170.24
253.	1706	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
254.	1808	\$46.01	\$54.43	\$71.76	\$67.52	\$54.77	\$59.59	\$77.53	\$71.08	\$61.52	\$49.37	\$39.40	\$37.06	\$680.06
255.	1558	\$26.98	\$31.92	\$38.90	\$26.85	\$25.21	\$23.45	\$44.49	\$37.61	\$30.97	\$25.79	\$23.10	\$21.73	\$357.01
256.	1698	\$35.50	\$42.00	\$55.37	\$53.90	\$53.42	\$49.55	\$61.20	\$58.88	\$50.98	\$38.10	\$30.40	\$28.60	\$557.90
257.	1754	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$21.67	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$217.40
258.	1837	\$13.49	\$15.96	\$20.90	\$18.40	\$19.13	\$18.47	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$209.08
259.	1746	\$23.86	\$28.22	\$37.21	\$25.40	\$23.78	\$22.56	\$27.57	\$22.52	\$25.44	\$25.60	\$20.43	\$19.22	\$311.29
260.	1951	\$21.30	\$25.20	\$32.58	\$27.43	\$34.76	\$24.75	\$25.24	\$32.25	\$17.65	\$10.80	\$17.10	\$17.16	\$276.22
261.	1960	\$20.45	\$24.19	\$25.28	\$20.83	\$25.15	\$29.11	\$34.78	\$32.00	\$27.57	\$21.94	\$17.51	\$16.47	\$295.29
262.	1599	\$16.19	\$19.15	\$25.25	\$24.58	\$26.42	\$26.00	\$28.29	\$27.03	\$23.40	\$17.37	\$13.86	\$13.04	\$260.59
263.	1615	\$53.97	\$63.84	\$84.16	\$81.93	\$81.77	\$61.87	\$70.34	\$71.37	\$63.30	\$57.91	\$46.21	\$43.47	\$780.13
264.	1672	\$10.65	\$12.60	\$16.61	\$16.17	\$15.10	\$13.65	\$18.62	\$17.78	\$8.75	\$10.50	\$9.12	\$8.58	\$158.14
265.	1794	\$18.75	\$22.18	\$28.99	\$16.72	\$16.18	\$17.30	\$27.71	\$25.53	\$17.75	\$16.70	\$16.05	\$15.10	\$238.95
266.	1859	\$26.98	\$31.92	\$36.00	\$27.85	\$29.48	\$32.80	\$39.51	\$33.80	\$34.28	\$28.95	\$23.10	\$21.73	\$366.41
267.	1941	\$25.56	\$30.24	\$39.87	\$38.81	\$41.71	\$39.28	\$44.68	\$42.67	\$37.40	\$27.43	\$21.89	\$20.59	\$410.13
268.	1700	\$17.75	\$21.00	\$27.54	\$22.99	\$24.06	\$21.25	\$22.13	\$25.08	\$25.97	\$18.94	\$15.20	\$14.30	\$256.22
269.	1809	\$20.45	\$24.19	\$31.89	\$31.05	\$29.42	\$25.51	\$31.04	\$29.05	\$22.95	\$21.94	\$17.51	\$16.47	\$301.49
270.	1694	\$17.75	\$21.00	\$25.67	\$21.43	\$19.54	\$15.74	\$31.03	\$29.63	\$18.78	\$19.05	\$15.20	\$14.30	\$249.12
271.	1702	\$26.98	\$31.92	\$37.87	\$39.76	\$38.80	\$43.34	\$47.16	\$45.04	\$35.92	\$22.02	\$23.10	\$21.73	\$413.65
272.	1703	\$17.75	\$12.51	\$15.09	\$11.81	\$13.49	\$13.21	\$28.18	\$29.63	\$15.72	\$14.03	\$13.99	\$14.30	\$199.73
273.	1769	\$13.63	\$16.13	\$21.26	\$20.70	\$22.25	\$21.90	\$23.83	\$22.76	\$19.95	\$14.63	\$11.67	\$10.98	\$219.68
274.	1771	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
275.	1796	\$24.71	\$29.23	\$33.80	\$21.49	\$24.60	\$31.54	\$42.97	\$39.65	\$32.20	\$26.52	\$21.16	\$19.90	\$347.78
276.	1199	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
277.	1701	\$31.53	\$37.30	\$49.17	\$42.00	\$43.73	\$40.03	\$55.10	\$52.63	\$46.13	\$33.83	\$27.00	\$25.40	\$483.82
278.	1819	\$21.30	\$18.48	\$19.82	\$18.19	\$18.18	\$18.06	\$32.39	\$32.07	\$24.01	\$15.88	\$16.96	\$17.16	\$252.52
279.	1940	\$20.45	\$24.19	\$31.89	\$31.05	\$32.98	\$32.84	\$35.74	\$34.14	\$29.92	\$21.94	\$17.51	\$16.47	\$329.13
280.	1972	\$45.16	\$53.42	\$51.75	\$49.04	\$48.29	\$55.88	\$71.10	\$60.37	\$46.47	\$42.30	\$38.67	\$36.38	\$598.84

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
281.	1068/2738	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
282.	1503	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$37.45	\$35.69	\$33.51	\$36.75	\$38.10	\$30.40	\$28.60	\$485.21
283.	1669	\$17.75	\$19.83	\$19.69	\$23.17	\$22.35	\$17.44	\$27.08	\$26.11	\$21.88	\$16.70	\$15.20	\$14.30	\$241.51
284.	1742	\$40.48	\$47.88	\$63.12	\$61.45	\$66.05	\$47.89	\$70.74	\$67.57	\$48.79	\$43.43	\$34.66	\$32.60	\$624.65
285.	1671	\$17.75	\$21.00	\$27.68	\$26.95	\$28.04	\$15.67	\$24.12	\$24.40	\$15.83	\$16.13	\$15.20	\$14.30	\$247.09
286.	1865	\$15.34	\$18.14	\$23.92	\$23.29	\$25.03	\$21.93	\$26.81	\$25.60	\$22.44	\$16.46	\$13.13	\$12.35	\$244.44
287.	1829	\$21.30	\$25.20	\$25.37	\$23.18	\$24.84	\$22.86	\$26.84	\$26.95	\$21.17	\$17.34	\$18.24	\$17.16	\$270.45
288.	1894	\$21.30	\$22.16	\$22.86	\$17.24	\$17.90	\$15.82	\$16.88	\$17.98	\$19.00	\$20.08	\$18.24	\$16.77	\$226.22
289.	1727	\$34.08	\$40.32	\$53.15	\$51.75	\$46.76	\$36.38	\$38.29	\$39.29	\$32.47	\$35.11	\$29.18	\$27.45	\$464.24
290.	1619	\$16.26	\$19.24	\$25.36	\$21.61	\$24.51	\$21.13	\$23.47	\$24.65	\$34.42	\$28.95	\$13.92	\$13.10	\$244.50
291.	1903	\$26.98	\$31.92	\$33.80	\$33.22	\$36.42	\$34.76	\$47.16	\$45.04	\$34.42	\$28.95	\$23.10	\$21.73	\$397.53
292.	1797	\$23.86	\$28.22	\$37.21	\$36.22	\$38.93	\$38.32	\$41.70	\$39.83	\$34.91	\$25.60	\$20.43	\$19.22	\$384.45
293.	1860	\$20.59	\$24.36	\$32.11	\$31.26	\$31.65	\$26.77	\$35.99	\$34.38	\$26.28	\$22.10	\$17.63	\$16.59	\$319.72
294.	1550	\$53.97	\$63.84	\$84.16	\$81.93	\$88.06	\$86.67	\$94.32	\$90.09	\$78.95	\$57.91	\$46.21	\$43.47	\$869.58
295.	1699	\$40.48	\$47.88	\$63.12	\$49.71	\$22.04	\$17.40	\$32.10	\$31.52	\$78.95	\$43.43	\$34.66	\$32.60	\$474.14
296.	1708	\$53.97	\$63.84	\$71.85	\$63.86	\$71.38	\$83.54	\$91.86	\$90.09	\$78.95	\$57.91	\$46.21	\$43.47	\$816.93
297.	1726	\$61.78	\$73.08	\$95.00	\$75.40	\$90.49	\$99.22	\$107.97	\$103.13	\$90.38	\$66.29	\$52.90	\$49.76	\$965.39
298.	1733	\$35.50	\$42.00	\$55.37	\$53.90	\$44.03	\$43.29	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$28.60	\$544.45
299.	1943	\$37.49	\$44.35	\$49.24	\$42.24	\$40.62	\$39.90	\$49.44	\$56.89	\$43.43	\$37.24	\$32.10	\$30.20	\$503.15
300.	1717	\$21.30	\$25.20	\$33.22	\$32.34	\$30.21	\$30.08	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$334.57
301.	1827	\$26.98	\$31.92	\$34.69	\$24.77	\$20.59	\$16.83	\$47.16	\$45.04	\$27.91	\$26.85	\$23.10	\$21.73	\$347.58
302.	1828	\$26.98	\$31.92	\$42.08	\$27.60	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$421.42
303.	1881	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$374.84
304.	1741	\$26.98	\$29.44	\$29.14	\$25.55	\$39.69	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$399.61
305.	1846	\$21.30	\$25.20	\$33.22	\$26.90	\$28.89	\$30.90	\$37.23	\$33.57	\$31.17	\$22.86	\$18.24	\$17.16	\$326.64
306.	2013	\$26.98	\$31.92	\$39.14	\$38.46	\$38.87	\$39.28	\$47.16	\$45.04	\$32.40	\$28.95	\$23.10	\$21.73	\$413.05
307.	1696	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$21.67	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$217.40
308.	1705	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.47	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.01
309.	1802	\$17.75	\$21.00	\$25.42	\$19.21	\$17.41	\$14.24	\$11.74	\$14.23	\$18.50	\$17.55	\$15.20	\$14.30	\$206.55
310.	1998	\$39.20	\$46.37	\$61.13	\$43.17	\$42.69	\$44.41	\$51.60	\$49.35	\$41.97	\$42.06	\$33.56	\$31.57	\$527.08
311.	1525	\$21.30	\$25.20	\$33.22	\$32.34	\$31.95	\$23.25	\$24.10	\$30.51	\$29.81	\$22.86	\$18.24	\$17.16	\$309.95
312.	1709	\$13.49	\$15.96	\$21.04	\$20.48	\$21.38	\$13.09	\$17.25	\$17.51	\$16.57	\$14.48	\$11.55	\$10.87	\$193.66
313.	1870	\$17.75	\$21.00	\$24.40	\$26.46	\$28.33	\$25.98	\$31.03	\$29.63	\$23.73	\$19.05	\$15.20	\$14.30	\$276.85
314.	1921	\$10.65	\$12.60	\$16.61	\$16.14	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.59
315.	2005	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$19.96	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$215.69
316.	2033	\$35.50	\$42.00	\$55.37	\$52.95	\$54.74	\$42.57	\$55.43	\$38.38	\$35.97	\$38.10	\$30.40	\$28.60	\$510.01
317.	1674	\$17.75	\$21.00	\$27.68	\$26.95	\$25.02	\$15.74	\$20.64	\$18.21	\$14.44	\$19.05	\$15.20	\$14.30	\$235.99
318.	1887	\$17.75	\$21.00	\$27.68	\$26.95	\$28.08	\$26.55	\$27.47	\$29.03	\$25.97	\$19.05	\$15.20	\$14.30	\$279.04
319.	1523	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
320.	2006	\$53.97	\$63.84	\$84.16	\$63.83	\$88.06	\$86.67	\$99.37	\$90.09	\$78.95	\$57.91	\$46.21	\$43.47	\$846.53
321.	1832	\$17.75	\$21.00	\$21.46	\$19.45	\$28.01	\$26.02	\$31.03	\$29.63	\$24.33	\$19.05	\$15.20	\$14.30	\$267.24
322.	1861	\$28.40	\$33.60	\$44.30	\$43.12	\$41.94	\$39.25	\$46.44	\$43.75	\$35.33	\$30.48	\$24.32	\$22.88	\$433.80
323.	2101	\$19.75	\$17.95	\$21.44	\$32.34	\$34.76	\$32.43	\$34.21	\$31.36	\$30.49	\$22.86	\$18.24	\$17.16	\$312.99
324.	1900	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
325.	2003	\$17.04	\$15.88	\$16.07	\$13.57	\$11.98	\$8.97	\$15.13	\$15.39	\$11.09	\$12.20	\$14.59	\$13.73	\$165.64
326.	1711	\$17.75	\$18.88	\$20.50	\$15.60	\$14.20	\$13.74	\$21.06	\$19.57	\$14.87	\$12.50	\$13.56	\$14.30	\$196.54
327.	1923	\$35.50	\$42.00	\$54.94	\$42.44	\$42.14	\$38.34	\$48.35	\$53.75	\$49.77	\$38.10	\$30.40	\$28.60	\$504.35
328.	2027	\$17.75	\$21.00	\$23.58	\$19.03	\$17.90	\$17.84	\$17.29	\$24.08	\$16.19	\$16.34	\$15.20	\$14.30	\$220.51
329.	1724	\$36.36	\$43.01	\$56.70	\$50.78	\$41.00	\$36.65	\$51.30	\$52.29	\$34.87	\$37.23	\$31.13	\$29.28	\$500.60
330.	2055	\$12.21	\$14.45	\$16.96	\$16.21	\$18.86	\$11.18	\$15.30	\$10.75	\$7.66	\$8.59	\$10.46	\$9.84	\$152.46
331.	1842	\$17.75	\$21.00	\$25.74	\$14.29	\$16.94	\$14.53	\$24.51	\$12.77	\$4.69	\$14.99	\$15.20	\$14.30	\$196.72
332.	1924	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$17.67	\$23.58	\$22.20	\$17.78	\$14.48	\$11.55	\$10.87	\$215.12
333.	2026	\$17.04	\$20.16	\$26.58	\$24.57	\$20.94	\$20.78	\$29.78	\$25.18	\$20.63	\$18.29	\$14.59	\$13.73	\$252.05
334.	1641	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
335.	2081	\$22.15	\$26.21	\$24.89	\$26.00	\$25.23	\$20.32	\$16.73	\$21.44	\$20.49	\$20.50	\$18.97	\$17.85	\$260.77
336.	1407	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
337.	2014	\$21.30	\$25.20	\$31.84	\$25.06	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$334.59
338.	2064	\$20.45	\$24.19	\$31.89	\$31.05	\$33.37	\$23.63	\$33.68	\$31.43	\$29.92	\$21.94	\$17.51	\$16.47	\$315.54
339.	2146	\$17.75	\$19.87	\$24.71	\$22.28	\$21.25	\$16.45	\$20.35	\$19.03	\$15.55	\$14.57	\$15.20	\$14.30	\$221.31
340.	2075	\$22.15	\$26.21	\$32.07	\$31.62	\$36.15	\$35.58	\$38.72	\$36.98	\$32.41	\$23.77	\$18.97	\$17.85	\$352.49
341.	1690	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.63
342.	2138	\$40.48	\$35.92	\$38.54	\$38.14	\$41.64	\$46.54	\$60.53	\$42.55	\$23.92	\$25.71	\$31.21	\$32.60	\$457.78
343.	2074	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
344.	2034	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
345.	2144	\$21.30	\$25.20	\$33.22	\$31.53	\$29.11	\$25.71	\$36.02	\$35.24	\$27.71	\$22.86	\$18.24	\$17.16	\$323.30
346.	2106	\$11.93	\$14.11	\$18.60	\$15.78	\$19.47	\$18.87	\$20.85	\$19.91	\$17.45	\$12.80	\$10.21	\$9.61	\$189.60
347.	2087	\$23.86	\$28.22	\$37.21	\$34.35	\$34.74	\$28.96	\$38.25	\$35.27	\$29.85	\$25.60	\$20.43	\$19.22	\$355.96
348.	1964	\$34.79	\$41.16	\$54.26	\$30.79	\$33.33	\$50.44	\$60.81	\$58.08	\$49.55	\$37.33	\$29.79	\$28.03	\$508.37
349.	2107	\$8.52	\$10.08	\$12.62	\$12.80	\$12.09	\$6.78	\$10.59	\$14.22	\$6.63	\$5.05	\$7.30	\$6.86	\$113.54
350.	2132	\$29.82	\$35.28	\$46.51	\$36.65	\$39.45	\$47.90	\$52.12	\$49.79	\$43.63	\$32.00	\$25.54	\$24.02	\$462.71
351.	1798	\$17.75	\$21.00	\$20.61	\$14.93	\$14.84	\$12.32	\$11.56	\$9.78	\$11.92	\$11.19	\$13.63	\$14.30	\$173.83
352.	1826	\$17.75	\$21.00	\$23.62	\$19.14	\$16.91	\$14.10	\$30.81	\$21.66	\$17.79	\$15.78	\$15.20	\$14.30	\$228.05
353.	2114	\$67.44	\$72.01	\$64.19	\$65.22	\$90.22	\$94.40	\$124.10	\$118.54	\$95.52	\$76.19	\$50.23	\$57.20	\$975.27
354.	1450	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$15.79	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$170.31
355.	1908	\$17.75	\$21.00	\$27.68	\$25.11	\$24.91	\$19.54	\$28.78	\$29.42	\$21.99	\$19.05	\$15.20	\$14.30	\$264.75
356.	2127	\$20.45	\$24.19	\$31.89	\$24.54	\$21.27	\$20.78	\$26.63	\$26.06	\$21.10	\$21.94	\$17.51	\$16.47	\$272.85
357.	2149	\$46.87	\$55.44	\$73.09	\$71.15	\$68.37	\$61.21	\$72.19	\$70.02	\$68.56	\$50.29	\$40.13	\$37.75	\$715.06
358.	2158	\$35.50	\$42.00	\$55.37	\$52.63	\$45.52	\$39.23	\$40.77	\$31.44	\$29.97	\$24.83	\$30.40	\$28.60	\$452.27
359.	1955	\$28.86	\$28.22	\$32.36	\$28.51	\$31.96	\$31.09	\$41.70	\$39.83	\$29.14	\$25.60	\$20.43	\$19.22	\$351.93
360.	2046	\$10.23	\$12.10	\$15.95	\$15.52	\$16.69	\$16.42	\$17.87	\$17.07	\$7.52	\$5.14	\$8.76	\$8.24	\$151.49
361.	1687	\$35.50	\$42.00	\$55.37	\$48.60	\$46.30	\$51.86	\$62.05	\$59.27	\$49.52	\$38.10	\$30.40	\$28.60	\$547.57
362.	1920	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
363.	1931	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
364.	1982	\$12.66	\$10.11	\$14.46	\$12.63	\$17.19	\$22.50	\$31.03	\$29.63	\$17.79	\$13.25	\$8.62	\$14.30	\$204.15
365.	1928	\$26.98	\$31.92	\$42.08	\$34.28	\$21.79	\$17.72	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$380.25
366.	1949	\$10.65	\$12.60	\$16.61	\$16.17	\$15.18	\$13.37	\$13.92	\$16.39	\$14.98	\$11.43	\$9.12	\$8.58	\$159.00
367.	1995	\$17.75	\$21.00	\$27.68	\$26.95	\$27.01	\$13.10	\$12.81	\$9.71	\$10.74	\$7.41	\$8.30	\$12.41	\$194.89
368.	2002	\$17.75	\$20.43	\$23.44	\$21.19	\$28.97	\$24.74	\$31.03	\$29.63	\$22.95	\$19.05	\$15.20	\$14.30	\$268.68
369.	2073	\$17.75	\$21.00	\$20.47	\$18.39	\$28.97	\$28.51	\$31.03	\$29.10	\$20.67	\$15.70	\$15.20	\$14.30	\$261.09
370.	2197	\$17.75	\$20.68	\$19.27	\$21.19	\$22.49	\$18.01	\$25.90	\$29.63	\$29.90	\$19.05	\$15.20	\$14.30	\$249.38
371.	2066	\$25.56	\$30.24	\$32.62	\$27.53	\$27.31	\$26.72	\$35.03	\$33.03	\$30.10	\$27.43	\$21.89	\$20.59	\$338.05
372.	2169	\$53.40	\$63.17	\$83.28	\$81.07	\$84.18	\$62.74	\$65.07	\$66.90	\$59.02	\$54.56	\$45.72	\$43.01	\$762.12
373.	1948	\$17.75	\$21.00	\$24.54	\$15.74	\$14.24	\$12.82	\$25.33	\$27.39	\$10.92	\$15.88	\$15.20	\$14.30	\$215.11
374.	2209	\$22.90	\$27.09	\$35.71	\$34.77	\$35.66	\$36.78	\$40.02	\$38.23	\$33.50	\$23.18	\$19.61	\$18.45	\$365.90
375.	768/1906	\$134.92	\$159.60	\$210.40	\$204.84	\$198.85	\$208.99	\$235.79	\$225.22	\$165.18	\$144.77	\$115.52	\$108.67	\$2,112.76
376.	1957	\$26.98	\$31.92	\$42.08	\$40.97	\$28.16	\$25.72	\$41.89	\$35.86	\$21.15	\$18.85	\$23.10	\$21.73	\$358.44
377.	1978	\$26.98	\$31.92	\$42.08	\$35.06	\$40.47	\$32.13	\$47.16	\$45.04	\$39.48	\$20.27	\$23.10	\$21.73	\$405.44
378.	2001	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
379.	2018	\$40.48	\$47.88	\$63.12	\$61.45	\$66.05	\$64.90	\$70.74	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$652.08
380.	2039	\$26.98	\$25.94	\$28.43	\$22.47	\$25.74	\$28.07	\$26.63	\$34.58	\$21.65	\$28.95	\$23.10	\$21.73	\$314.29
381.	2044	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.28	\$25.97	\$19.05	\$15.20	\$14.30	\$285.69
382.	2102	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.63
383.	2208	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$21.67	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$217.40
384.	2029	\$34.94	\$41.33	\$54.48	\$52.37	\$53.20	\$49.17	\$48.64	\$39.89	\$38.27	\$36.35	\$29.91	\$28.14	\$506.69
385.	2078	\$71.01	\$83.47	\$85.66	\$82.66	\$101.14	\$113.76	\$124.10	\$118.54	\$99.58	\$76.19	\$60.80	\$57.20	\$1,074.11
386.	2201	\$29.54	\$34.94	\$46.07	\$44.85	\$48.20	\$47.44	\$51.63	\$49.31	\$43.22	\$31.70	\$25.29	\$23.79	\$475.98
387.	2227	\$30.18	\$35.70	\$47.06	\$45.82	\$49.25	\$29.43	\$40.72	\$33.98	\$31.73	\$32.38	\$25.84	\$24.31	\$426.40
388.	2216	\$31.53	\$37.05	\$42.73	\$35.81	\$39.14	\$39.43	\$52.36	\$51.14	\$46.13	\$33.83	\$27.00	\$25.40	\$461.52
389.	2118	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
390.	2211	\$17.75	\$16.40	\$18.31	\$17.12	\$16.76	\$16.98	\$27.22	\$27.21	\$15.01	\$13.04	\$14.06	\$14.30	\$214.17
391.	1714	\$35.50	\$42.00	\$51.90	\$52.49	\$43.31	\$37.27	\$48.92	\$44.25	\$39.28	\$34.50	\$30.40	\$28.60	\$488.44
392.	2058	\$17.75	\$21.00	\$27.68	\$26.95	\$24.27	\$21.89	\$31.03	\$29.63	\$24.19	\$19.05	\$15.20	\$14.30	\$272.95

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Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
393.	2071	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
394.	2082	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$40.49	\$39.48	\$28.95	\$23.10	\$21.73	\$430.24
395.	2187	\$26.98	\$31.92	\$38.83	\$34.25	\$32.97	\$30.53	\$43.35	\$41.13	\$37.80	\$28.95	\$23.10	\$21.73	\$391.55
396.	2194	\$19.85	\$23.48	\$28.72	\$17.79	\$19.12	\$24.51	\$34.69	\$33.13	\$29.04	\$21.30	\$16.99	\$15.99	\$284.59
397.	2203	\$33.73	\$39.90	\$52.60	\$44.81	\$43.87	\$38.76	\$56.88	\$56.31	\$49.35	\$36.19	\$28.88	\$27.17	\$508.44
398.	2223	\$17.75	\$21.00	\$27.68	\$21.79	\$23.20	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$275.12
399.	2254	\$13.49	\$15.96	\$18.78	\$16.98	\$19.38	\$19.53	\$20.20	\$21.81	\$18.74	\$14.48	\$11.55	\$10.87	\$201.77
400.	2134	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
401.	2143	\$46.01	\$54.43	\$71.76	\$69.86	\$75.09	\$73.90	\$80.42	\$76.81	\$67.03	\$49.37	\$39.40	\$37.06	\$741.15
402.	2247	\$36.64	\$43.34	\$57.14	\$42.86	\$40.86	\$40.06	\$64.04	\$61.17	\$52.93	\$39.32	\$31.37	\$29.51	\$539.24
403.	2037	\$26.98	\$31.92	\$42.08	\$32.34	\$40.30	\$33.16	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$412.25
404.	2266	\$30.53	\$36.12	\$47.62	\$33.80	\$25.45	\$18.79	\$16.79	\$21.01	\$18.70	\$20.56	\$26.14	\$24.59	\$320.12
405.	2196	\$40.48	\$33.66	\$35.18	\$36.13	\$64.73	\$65.00	\$70.74	\$67.57	\$59.21	\$39.05	\$29.89	\$32.60	\$574.24
406.	2154	\$35.50	\$42.00	\$55.37	\$53.90	\$55.73	\$39.48	\$62.05	\$59.27	\$44.54	\$38.10	\$30.40	\$28.60	\$544.95
407.	2309	\$17.04	\$20.16	\$26.58	\$25.87	\$27.81	\$27.37	\$29.78	\$28.45	\$24.93	\$18.29	\$14.59	\$13.73	\$274.60
408.	2252	\$12.78	\$15.12	\$15.02	\$13.00	\$12.99	\$17.40	\$22.34	\$21.34	\$18.70	\$22.86	\$10.30	\$10.30	\$181.93
409.	2172	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$31.90	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$340.94
410.	2222	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.26
411.	2297	\$29.01	\$34.31	\$44.42	\$27.06	\$30.83	\$32.32	\$48.81	\$47.89	\$32.97	\$31.13	\$24.84	\$23.36	\$406.95
412.	2310	\$35.22	\$41.66	\$54.93	\$53.47	\$57.47	\$56.56	\$61.55	\$58.79	\$51.53	\$37.79	\$30.16	\$28.37	\$567.52
413.	2212	\$10.65	\$12.60	\$16.61	\$12.21	\$11.15	\$8.53	\$15.88	\$13.94	\$10.03	\$10.65	\$9.12	\$8.58	\$139.95
414.	2325	\$11.93	\$14.11	\$18.60	\$16.31	\$13.53	\$13.22	\$12.31	\$14.01	\$14.96	\$12.80	\$10.21	\$9.61	\$161.60
415.	2327	\$22.94	\$27.13	\$35.77	\$24.21	\$30.20	\$29.75	\$40.08	\$34.94	\$28.25	\$24.61	\$19.64	\$18.47	\$336.01
416.	2094	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
417.	2135	\$17.75	\$21.00	\$27.68	\$25.50	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$284.60
418.	2221	\$17.75	\$21.00	\$24.43	\$15.56	\$17.80	\$23.92	\$31.03	\$29.63	\$21.81	\$17.95	\$15.20	\$14.30	\$250.38
419.	2050	\$40.48	\$47.88	\$63.12	\$61.45	\$66.05	\$65.00	\$70.74	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$652.19
420.	2133	\$57.94	\$68.54	\$89.55	\$73.75	\$70.29	\$49.01	\$42.59	\$38.23	\$46.91	\$62.17	\$49.61	\$46.67	\$695.29
421.	2311	\$35.50	\$42.00	\$55.37	\$53.90	\$57.23	\$51.75	\$54.01	\$59.27	\$51.94	\$38.10	\$30.40	\$28.60	\$558.07
422.	2238	\$40.48	\$47.88	\$63.12	\$61.45	\$63.24	\$35.61	\$34.66	\$35.12	\$40.14	\$43.29	\$34.66	\$32.60	\$532.25
423.	2137	\$17.75	\$21.00	\$27.68	\$24.51	\$24.95	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$279.59
424.	2142	\$26.98	\$31.92	\$38.23	\$24.45	\$40.08	\$37.46	\$47.16	\$45.04	\$24.07	\$23.51	\$23.10	\$21.73	\$383.75
425.	2189	\$21.30	\$25.20	\$33.22	\$32.17	\$34.76	\$34.21	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$343.08
426.	2206	\$10.65	\$12.32	\$14.70	\$13.31	\$14.11	\$15.11	\$18.62	\$17.78	\$11.38	\$8.94	\$9.12	\$8.58	\$154.62
427.	2249	\$26.98	\$31.92	\$42.08	\$35.13	\$44.03	\$40.42	\$45.66	\$45.04	\$37.95	\$28.95	\$23.10	\$21.73	\$238.97
428.	2249	\$26.98	\$31.92	\$42.08	\$35.13	\$44.03	\$40.42	\$45.66	\$45.04	\$37.95	\$28.95	\$23.10	\$21.73	\$238.97
429.	2250	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.63
430.	2072	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
431.	2277	\$40.48	\$47.88	\$63.12	\$61.45	\$66.05	\$41.77	\$51.06	\$47.50	\$41.10	\$39.80	\$34.66	\$32.60	\$567.47
432.	2279	\$15.09	\$17.85	\$23.53	\$22.91	\$24.62	\$23.27	\$26.37	\$25.15	\$22.08	\$16.19	\$12.92	\$12.15	\$242.14
433.	2045	\$17.75	\$20.22	\$23.40	\$15.10	\$16.59	\$17.05	\$23.77	\$21.02	\$16.54	\$15.85	\$15.20	\$14.30	\$216.80
434.	2092	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.63
435.	2151	\$21.30	\$25.20	\$33.22	\$32.10	\$37.23	\$25.60	\$37.23	\$35.35	\$29.78	\$22.86	\$18.24	\$17.16	\$325.00
436.	2070	\$25.17	\$29.78	\$37.21	\$22.58	\$23.82	\$32.71	\$43.99	\$42.02	\$28.82	\$25.84	\$21.55	\$20.28	\$353.77
437.	2214	\$21.30	\$25.20	\$26.64	\$22.12	\$22.20	\$19.91	\$37.23	\$35.56	\$26.29	\$20.37	\$18.24	\$17.16	\$292.23
438.	2231	\$26.98	\$31.92	\$31.33	\$23.21	\$20.16	\$17.29	\$19.51	\$18.68	\$13.93	\$9.63	\$13.92	\$20.31	\$246.88
439.	2271	\$13.49	\$15.96	\$21.04	\$20.48	\$20.02	\$21.67	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$215.40
440.	2293	\$26.98	\$30.75	\$31.68	\$30.11	\$37.24	\$42.66	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$404.89
441.	2295	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
442.	2298	\$31.95	\$37.80	\$49.83	\$48.51	\$52.14	\$46.73	\$55.85	\$53.34	\$46.75	\$34.29	\$27.36	\$25.74	\$510.29
443.	2275	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
444.	2376	\$27.27	\$32.26	\$42.52	\$41.40	\$44.50	\$40.55	\$45.45	\$44.45	\$39.89	\$29.26	\$23.35	\$21.96	\$432.86
445.	2248	\$17.75	\$21.00	\$27.68	\$23.20	\$26.19	\$22.89	\$27.11	\$24.33	\$21.56	\$19.05	\$15.20	\$14.30	\$260.27
446.	2331	\$40.48	\$47.88	\$63.12	\$48.89	\$41.04	\$40.35	\$70.74	\$67.57	\$46.90	\$43.43	\$34.66	\$32.60	\$577.65
447.	2323	\$53.97	\$63.84	\$84.16	\$81.93	\$83.80	\$72.51	\$81.72	\$78.67	\$65.79	\$54.60	\$46.21	\$43.47	\$810.66
448.	1602	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
449.	1932	\$13.49	\$15.96	\$19.24	\$15.32	\$4.16	\$4.95	\$23.58	\$22.52	\$16.61	\$14.48	\$11.55	\$10.87	\$172.71
450.	1511	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$42.41	\$45.17	\$43.98	\$31.90	\$28.95	\$23.10	\$21.73	\$423.23
451.	2171	\$17.75	\$21.00	\$19.27	\$24.05	\$26.91	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$272.66
452.	2288	\$13.17	\$15.25	\$18.32	\$7.89	\$10.99	\$12.45	\$20.52	\$21.45	\$16.71	\$14.48	\$11.55	\$10.87	\$173.66
453.	2184	\$13.49	\$15.96	\$21.04	\$20.48	\$19.56	\$16.72	\$23.58	\$20.39	\$13.65	\$14.48	\$11.55	\$10.87	\$201.78
454.	2389	\$21.30	\$25.20	\$28.02	\$28.38	\$32.02	\$29.23	\$29.79	\$28.84	\$22.63	\$22.86	\$18.24	\$17.16	\$303.67
455.	2307	\$25.56	\$30.24	\$33.25	\$25.05	\$30.22	\$30.74	\$37.81	\$36.70	\$31.96	\$26.11	\$21.89	\$20.59	\$350.12
456.	2264	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.63
457.	2276	\$56.81	\$67.20	\$88.59	\$75.71	\$63.52	\$75.86	\$77.01	\$60.07	\$60.09	\$60.14	\$48.64	\$45.76	\$779.39
458.	2324	\$31.53	\$37.30	\$49.17	\$40.76	\$39.46	\$30.60	\$33.97	\$33.74	\$29.47	\$28.96	\$27.00	\$25.40	\$407.33
459.	2261	\$45.45	\$53.76	\$70.87	\$45.02	\$52.60	\$60.39	\$68.32	\$75.86	\$58.16	\$42.36	\$38.91	\$36.61	\$648.31
460.	2339	\$30.68	\$36.29	\$47.84	\$46.57	\$48.39	\$49.27	\$53.61	\$51.21	\$44.88	\$32.92	\$26.27	\$24.71	\$492.62
461.	2220	\$35.50	\$40.66	\$42.03	\$37.56	\$38.83	\$35.78	\$60.41	\$52.61	\$35.43	\$35.29	\$30.40	\$28.60	\$473.12
462.	2257	\$13.49	\$15.96	\$20.33	\$20.06	\$22.02	\$21.67	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$216.26
463.	1914	\$48.29	\$57.12	\$75.30	\$65.32	\$67.77	\$77.55	\$84.39	\$80.61	\$67.80	\$51.81	\$41.34	\$38.89	\$756.18
464.	2025	\$47.72	\$56.45	\$57.51	\$49.32	\$45.28	\$48.56	\$78.95	\$79.66	\$46.68	\$37.72	\$40.86	\$38.44	\$627.13
465.	2347	\$26.98	\$31.92	\$42.08	\$40.97	\$42.75	\$23.91	\$26.38	\$22.34	\$18.63	\$28.95	\$23.10	\$21.73	\$349.75
466.	2152	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$42.62	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.08
467.	2299	\$21.30	\$23.54	\$22.72	\$22.51	\$32.88	\$34.21	\$37.23	\$34.81	\$27.15	\$22.86	\$18.24	\$17.16	\$314.60
468.	2303	\$18.46	\$21.84	\$28.76	\$21.20	\$20.17	\$17.91	\$28.85	\$30.82	\$27.01	\$19.81	\$15.81	\$14.87	\$265.51
469.	2383	\$23.86	\$28.22	\$37.21	\$36.22	\$38.93	\$28.39	\$38.89	\$39.83	\$27.36	\$22.47	\$20.43	\$19.22	\$361.03
470.	2390	\$16.01	\$6.86	\$6.56	\$9.86	\$17.26	\$6.02	\$7.46	\$71.12	\$3.84	\$15.26	\$26.91	\$34.32	\$288.47
471.	2398	\$23.86	\$20.94	\$17.44	\$23.84	\$33.03	\$34.15	\$41.70	\$39.83	\$34.91	\$25.60	\$20.43	\$19.22	\$334.94
472.	2191	\$17.75	\$17.82	\$17.36	\$18.64	\$20.11	\$13.00	\$31.03	\$21.17	\$9.89	\$13.64	\$15.20	\$14.30	\$209.89
473.	2356	\$36.92	\$43.68	\$52.03	\$33.46	\$29.94	\$29.56	\$62.40	\$39.01	\$31.61	\$35.00	\$31.62	\$29.74	\$454.96
474.	2213	\$26.98	\$31.92	\$42.08	\$40.51	\$39.44	\$36.04	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$422.45
475.	2457	\$21.09	\$24.95	\$32.89	\$32.02	\$31.78	\$31.52	\$36.86	\$32.04	\$30.85	\$22.63	\$18.06	\$16.99	\$331.68
476.	2265	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
477.	2334	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$430.77
478.	2382	\$23.97	\$28.35	\$28.35	\$26.52	\$28.26	\$28.21	\$41.88	\$40.01	\$33.25	\$25.72	\$20.52	\$19.30	\$344.33
479.	2217	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
480.	2285	\$17.75	\$21.00	\$27.68	\$21.65	\$16.91	\$15.03	\$17.86	\$18.68	\$13.73	\$17.87	\$15.20	\$14.30	\$217.66
481.	2287	\$21.30	\$25.20	\$28.41	\$26.97	\$29.32	\$25.42	\$31.54	\$35.56	\$25.19	\$22.86	\$18.24	\$17.16	\$307.17
482.	2336	\$13.49	\$15.96	\$16.76	\$15.74	\$16.71	\$16.54	\$19.99	\$17.19	\$17.21	\$14.19	\$11.55	\$10.87	\$186.21
483.	1950	\$26.98	\$31.92	\$42.08	\$33.01	\$34.85	\$31.99	\$39.26	\$45.01	\$30.40	\$28.95	\$23.10	\$21.73	\$389.30
484.	2406	\$40.48	\$47.88	\$63.12	\$61.45	\$58.19	\$61.87	\$70.74	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$641.19
485.	2262	\$44.74	\$52.92	\$69.77	\$67.92	\$73.00	\$71.85	\$78.18	\$74.68	\$65.45	\$48.00	\$38.30	\$36.03	\$720.84
486.	2258	\$15.34	\$18.14	\$20.84	\$13.60	\$10.69	\$12.68	\$23.64	\$22.51	\$12.05	\$12.69	\$13.13	\$12.35	\$187.66
487.	2242	\$49.42	\$58.46	\$77.07	\$75.04	\$80.65	\$79.37	\$84.91	\$68.98	\$45.73	\$46.63	\$42.32	\$39.81	\$748.39
488.	2342	\$21.30	\$25.20	\$33.22	\$32.34	\$29.99	\$21.15	\$29.51	\$30.44	\$31.17	\$22.86	\$18.24	\$17.16	\$312.59
489.	2335	\$9.33	\$7.13	\$13.25	\$6.76	\$7.91	\$7.09	\$10.60	\$4.48	\$6.12	\$11.08	\$7.94	\$13.16	\$104.86
490.	2272	\$17.75	\$17.64	\$18.24	\$15.67	\$17.58	\$19.65	\$31.03	\$29.63	\$25.54	\$19.05	\$15.20	\$14.30	\$241.29
491.	2366	\$12.78	\$15.12	\$6.99	\$11.48	\$12.92	\$11.67	\$7.89	\$7.00	\$6.74	\$9.37	\$10.94	\$10.30	\$123.21
492.	2489	\$17.26	\$20.41	\$26.91	\$26.20	\$28.16	\$27.18	\$33.89	\$23.22	\$21.72	\$18.52	\$14.77	\$13.90	\$262.13
493.	2430	\$26.98	\$31.92	\$42.08	\$40.51	\$40.76	\$29.49	\$31.86	\$25.87	\$34.50	\$28.95	\$23.10	\$21.73	\$377.76
494.	2232/3058	\$22.08	\$26.12	\$32.46	\$33.53	\$36.04	\$27.50	\$38.60	\$36.86	\$32.31	\$23.70	\$18.91	\$17.79	\$345.89
495.	2358	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$40.35	\$47.16	\$41.20	\$31.08	\$28.95	\$23.10	\$21.73	\$419.56
496.	2399	\$20.45	\$24.19	\$31.89	\$31.05	\$33.37	\$21.14	\$27.06	\$27.52	\$28.07	\$21.94	\$17.51	\$16.47	\$300.67
497.	2478	\$20.45	\$24.19	\$31.89	\$30.98	\$26.79	\$19.50	\$29.66	\$31.15	\$26.36	\$21.94	\$17.51	\$16.47	\$296.90
498.	2461	\$17.75	\$16.22	\$18.81	\$16.66	\$20.86	\$25.13	\$26.15	\$28.64	\$13.87	\$18.80	\$13.60	\$14.30	\$230.79
499.	2498	\$19.60	\$23.18	\$30.56	\$29.76	\$31.98	\$31.48	\$34.25	\$32.72	\$28.67	\$21.03	\$16.78	\$15.79	\$315.80
500.	2374	\$39.71	\$26.98	\$25.34	\$25.87	\$24.20	\$24.55	\$18.10	\$11.92	\$12.74	\$7.49	\$15.25	\$25.96	\$258.13
501.	2465	\$12.18	\$14.19	\$16.41	\$12.63	\$19.24	\$13.84	\$15.93	\$15.90	\$13.58	\$10.28	\$10.41	\$10.87	\$165.47
502.	2491	\$21.30	\$25.20	\$33.22	\$23.96	\$32.34	\$22.08	\$36.20	\$35.56	\$27.75	\$22.86	\$18.24	\$17.16	\$315.87
503.	2499	\$23.43	\$27.72	\$36.54	\$30.13	\$34.61	\$36.17	\$40.95	\$39.12	\$34.28	\$25.14	\$20.06	\$18.88	\$367.05
504.	2490	\$27.80	\$32.89	\$43.00	\$37.79	\$32.95	\$31.98	\$42.07	\$33.81	\$27.68	\$24.85	\$23.80	\$22.39	\$381.02

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
505.	2504	\$29.72	\$35.15	\$36.23	\$29.27	\$48.49	\$33.03	\$46.71	\$42.53	\$32.23	\$21.96	\$25.45	\$23.94	\$404.70
506.	2524	\$21.30	\$20.00	\$23.49	\$15.40	\$20.82	\$17.28	\$20.79	\$21.72	\$23.16	\$13.64	\$15.39	\$17.16	\$230.16
507.	2535	\$14.49	\$17.14	\$22.59	\$15.48	\$18.80	\$12.45	\$18.56	\$23.79	\$18.24	\$14.55	\$12.40	\$11.67	\$200.15
508.	2557	\$23.43	\$27.72	\$36.54	\$35.58	\$38.24	\$33.86	\$28.61	\$32.18	\$30.12	\$21.55	\$20.06	\$18.88	\$346.77
509.	2543	\$20.45	\$24.19	\$23.40	\$16.16	\$25.19	\$27.90	\$35.74	\$34.14	\$29.92	\$16.36	\$13.49	\$16.47	\$283.41
510.	2555	\$17.75	\$21.00	\$27.68	\$26.95	\$24.02	\$11.72	\$11.88	\$10.85	\$11.06	\$6.77	\$13.39	\$14.30	\$197.38
511.	2548	\$18.46	\$21.84	\$28.79	\$28.03	\$30.13	\$27.44	\$27.96	\$24.17	\$27.01	\$19.81	\$15.81	\$14.87	\$284.32
512.	2481	\$41.50	\$57.12	\$69.71	\$30.26	\$47.24	\$43.60	\$61.72	\$61.89	\$44.60	\$32.06	\$27.72	\$38.89	\$556.32
513.	2528	\$18.46	\$21.84	\$28.79	\$23.36	\$30.02	\$24.21	\$32.27	\$30.82	\$27.01	\$19.81	\$15.81	\$14.87	\$287.27
514.	2549	\$17.75	\$21.00	\$27.68	\$26.56	\$28.97	\$22.21	\$29.07	\$29.63	\$25.15	\$19.05	\$15.20	\$14.30	\$276.58
515.	2530	\$26.98	\$31.92	\$35.01	\$32.33	\$32.33	\$26.61	\$38.48	\$36.61	\$25.64	\$27.46	\$23.10	\$21.73	\$358.28
516.	2410	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$51.22	\$54.26	\$47.63	\$51.94	\$38.10	\$30.40	\$28.60	\$546.87
517.	2597	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
518.	2595	\$22.05	\$26.08	\$34.38	\$25.06	\$35.20	\$21.64	\$19.68	\$28.41	\$23.68	\$17.82	\$18.88	\$17.76	\$290.64
519.	2602	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
520.	2048	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
521.	2590	\$35.50	\$42.00	\$45.89	\$33.21	\$29.76	\$36.31	\$58.46	\$56.60	\$46.00	\$35.78	\$30.40	\$28.60	\$478.52
522.	2565	\$21.30	\$25.20	\$33.22	\$23.75	\$28.11	\$24.78	\$28.94	\$31.01	\$31.17	\$22.86	\$18.24	\$17.16	\$305.73
523.	2620	\$39.06	\$46.20	\$60.91	\$59.30	\$42.45	\$30.70	\$31.57	\$29.44	\$34.26	\$40.45	\$33.44	\$31.46	\$479.23
524.	2622	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$32.58	\$36.98	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$341.37
525.	2655	\$15.34	\$18.14	\$23.92	\$14.55	\$22.11	\$12.64	\$14.25	\$25.60	\$20.52	\$9.09	\$13.13	\$12.35	\$201.65
526.	2592	\$21.30	\$25.20	\$32.45	\$19.33	\$34.76	\$24.82	\$32.60	\$20.13	\$27.93	\$19.16	\$18.06	\$17.16	\$295.97
527.	2621	\$26.98	\$31.92	\$31.65	\$25.37	\$43.39	\$30.46	\$41.36	\$40.13	\$35.03	\$27.28	\$23.10	\$21.73	\$378.41
528.	2629	\$26.98	\$31.92	\$42.08	\$33.86	\$40.44	\$29.57	\$33.14	\$38.14	\$36.95	\$24.79	\$23.10	\$21.73	\$382.71
529.	2645	\$23.43	\$27.72	\$36.54	\$21.00	\$34.40	\$33.40	\$34.51	\$34.85	\$26.74	\$19.10	\$19.60	\$18.88	\$330.17
530.	2700	\$26.98	\$31.92	\$42.08	\$33.89	\$43.50	\$32.09	\$35.99	\$32.70	\$26.63	\$24.04	\$23.10	\$21.73	\$374.67
531.	2706	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$24.18	\$25.84	\$26.59	\$23.30	\$21.65	\$18.24	\$17.16	\$303.80
532.	2563	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$27.76	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$285.30
533.	2578	\$18.46	\$21.84	\$28.79	\$28.03	\$30.13	\$29.65	\$32.27	\$30.82	\$27.01	\$19.81	\$15.81	\$14.87	\$297.49
534.	2630	\$26.98	\$31.92	\$32.00	\$21.76	\$35.00	\$23.05	\$38.19	\$45.04	\$39.48	\$26.89	\$23.10	\$21.73	\$365.16
535.	2680	\$15.34	\$18.14	\$23.57	\$15.79	\$23.96	\$15.42	\$19.69	\$25.60	\$16.60	\$16.46	\$13.13	\$12.35	\$216.06
536.	2702	\$34.79	\$41.16	\$44.46	\$39.77	\$46.60	\$43.50	\$60.81	\$58.08	\$45.74	\$37.33	\$29.79	\$28.03	\$510.09
537.	2616	\$25.56	\$30.24	\$39.87	\$34.00	\$41.71	\$32.91	\$44.68	\$42.67	\$32.45	\$27.43	\$21.89	\$20.59	\$394.00
538.	2668	\$10.65	\$12.60	\$16.61	\$16.17	\$17.38	\$17.11	\$18.62	\$17.78	\$15.58	\$11.43	\$9.12	\$8.58	\$171.63
539.	2676	\$35.50	\$42.00	\$36.13	\$43.79	\$42.60	\$38.16	\$41.16	\$39.91	\$41.70	\$37.21	\$30.40	\$28.60	\$457.17
540.	2674	\$16.19	\$19.15	\$25.25	\$18.82	\$26.42	\$19.49	\$19.29	\$21.58	\$20.73	\$10.26	\$13.86	\$13.04	\$224.08
541.	2594	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
542.	2710	\$24.12	\$26.12	\$28.22	\$40.97	\$44.03	\$25.23	\$21.79	\$15.37	\$16.60	\$18.92	\$23.10	\$21.73	\$306.20
543.	2699	\$23.43	\$27.72	\$36.01	\$20.23	\$26.71	\$17.50	\$27.82	\$24.74	\$19.62	\$15.22	\$20.06	\$18.88	\$277.94
544.	2703	\$26.98	\$31.92	\$42.08	\$31.91	\$38.20	\$35.01	\$47.16	\$45.04	\$39.48	\$28.35	\$23.10	\$21.73	\$410.97
545.	2678	\$17.75	\$21.00	\$23.40	\$16.52	\$21.14	\$11.75	\$27.43	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$243.15
546.	2696	\$13.49	\$15.96	\$21.04	\$15.46	\$20.13	\$11.17	\$10.70	\$9.89	\$11.31	\$9.64	\$11.55	\$10.87	\$161.21
547.	2679	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$51.61	\$53.62	\$49.73	\$38.10	\$37.95	\$30.40	\$28.60	\$534.73
548.	2485	\$35.50	\$42.00	\$54.52	\$39.93	\$41.50	\$57.02	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$28.60	\$540.84
549.	2715	\$23.86	\$28.22	\$34.27	\$26.28	\$36.62	\$38.32	\$41.70	\$39.83	\$34.91	\$25.60	\$20.43	\$19.22	\$369.26
550.	2749	\$23.43	\$27.72	\$36.54	\$35.58	\$38.24	\$37.63	\$40.95	\$39.12	\$34.28	\$25.14	\$20.06	\$18.88	\$377.58
551.	2778	\$35.50	\$42.00	\$50.28	\$39.33	\$35.91	\$35.14	\$40.49	\$41.09	\$40.52	\$38.10	\$30.40	\$26.43	\$457.36
552.	2748/3594	\$26.84	\$31.75	\$41.86	\$37.39	\$47.91	\$29.92	\$36.77	\$40.71	\$29.74	\$31.68	\$28.09	\$26.43	\$409.09
553.	2717	\$35.50	\$42.00	\$43.34	\$26.32	\$40.47	\$43.22	\$62.05	\$59.27	\$48.38	\$38.10	\$30.40	\$28.60	\$497.65
554.	2757	\$13.49	\$15.39	\$15.13	\$10.93	\$16.18	\$12.52	\$23.58	\$22.52	\$19.74	\$14.48	\$11.55	\$10.87	\$186.39
555.	2547	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
556.	2705	\$40.48	\$47.77	\$45.08	\$42.67	\$42.32	\$44.97	\$70.74	\$53.73	\$41.75	\$40.62	\$34.66	\$32.60	\$537.38
557.	2740	\$34.79	\$41.16	\$54.26	\$44.97	\$51.66	\$47.80	\$60.28	\$58.08	\$50.90	\$34.31	\$29.79	\$28.03	\$536.04
558.	2735	\$19.88	\$23.52	\$31.01	\$30.19	\$32.44	\$25.78	\$23.40	\$31.91	\$23.40	\$21.33	\$17.02	\$16.02	\$295.54
559.	2765	\$27.84	\$32.93	\$43.41	\$39.29	\$40.19	\$30.72	\$27.44	\$46.47	\$30.37	\$14.85	\$23.05	\$22.42	\$378.98
560.	2759	\$21.87	\$25.87	\$32.87	\$22.91	\$32.88	\$25.77	\$24.49	\$31.17	\$22.43	\$23.47	\$18.73	\$17.62	\$300.07

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
617.	2900	\$43.17	\$51.07	\$67.33	\$50.59	\$56.33	\$33.08	\$75.45	\$72.07	\$63.16	\$46.33	\$36.97	\$34.78	\$630.32
618.	2889	\$40.48	\$47.88	\$53.61	\$43.70	\$45.06	\$48.28	\$70.74	\$67.57	\$49.72	\$38.84	\$34.66	\$32.60	\$573.11
619.	3064	\$11.93	\$14.11	\$15.60	\$15.35	\$15.55	\$13.79	\$15.80	\$15.11	\$14.04	\$12.80	\$10.21	\$9.61	\$163.90
620.	3099	\$26.98	\$31.92	\$37.55	\$22.36	\$37.49	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$405.11
621.	2839a	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
622.	2839b	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
623.	3030	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
624.	3020	\$40.48	\$47.88	\$63.12	\$61.24	\$62.03	\$47.64	\$68.25	\$54.15	\$50.43	\$39.02	\$34.66	\$32.60	\$601.49
625.	2291	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
626.	2870	\$13.49	\$15.96	\$21.04	\$20.48	\$22.02	\$21.67	\$20.66	\$16.58	\$17.46	\$14.48	\$11.55	\$10.87	\$206.26
627.	3073	\$36.92	\$43.68	\$57.58	\$56.06	\$60.25	\$59.30	\$43.61	\$44.99	\$40.43	\$33.39	\$31.62	\$29.74	\$537.59
628.	3015	\$26.98	\$31.92	\$42.08	\$31.81	\$43.68	\$33.73	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$415.67
629.	2726	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
630.	3029	\$21.55	\$26.04	\$30.05	\$15.59	\$23.97	\$13.47	\$16.30	\$20.24	\$16.76	\$8.11	\$14.12	\$17.73	\$223.93
631.	2922	\$13.49	\$15.96	\$21.04	\$16.84	\$16.96	\$16.40	\$14.79	\$17.75	\$13.12	\$10.28	\$11.55	\$10.87	\$179.06
632.	2970	\$35.50	\$42.00	\$43.80	\$30.81	\$41.54	\$49.55	\$59.67	\$50.16	\$39.74	\$29.98	\$30.40	\$28.60	\$481.75
633.	3096	\$21.30	\$25.20	\$33.22	\$27.43	\$34.76	\$33.75	\$37.23	\$35.56	\$31.17	\$22.86	\$18.24	\$17.16	\$337.88
634.	3082	\$26.98	\$31.92	\$33.27	\$25.55	\$34.28	\$27.93	\$31.03	\$32.59	\$27.59	\$19.92	\$23.10	\$21.73	\$335.95
635.	3122	\$41.90	\$49.56	\$65.34	\$49.46	\$49.58	\$44.41	\$60.45	\$60.97	\$49.12	\$43.32	\$35.87	\$33.75	\$583.71
636.	2982	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$46.03	\$37.61	\$35.11	\$32.69	\$26.82	\$29.58	\$28.60	\$481.15
637.	2734	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
638.	2896	\$17.75	\$19.13	\$21.18	\$14.93	\$21.11	\$15.81	\$19.53	\$19.17	\$16.04	\$11.51	\$12.78	\$14.30	\$203.23
639.	3063	\$4.86	\$5.77	\$9.12	\$7.26	\$13.69	\$10.14	\$20.27	\$7.79	\$5.29	\$14.48	\$1.06	\$9.98	\$109.71
640.	2730	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$21.07	\$29.28	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$276.87
641.	2515	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
642.	3021	\$40.48	\$47.88	\$47.31	\$33.26	\$46.02	\$24.09	\$52.95	\$55.04	\$39.61	\$30.30	\$34.66	\$32.60	\$484.19
643.	2907	\$40.48	\$43.88	\$51.31	\$30.25	\$42.60	\$28.21	\$33.52	\$35.65	\$25.41	\$12.48	\$22.88	\$32.60	\$399.28
644.	3106	\$30.89	\$36.54	\$36.64	\$26.38	\$39.70	\$32.07	\$46.37	\$44.73	\$38.39	\$23.57	\$23.42	\$24.88	\$403.59
645.	3131	\$40.48	\$47.88	\$63.12	\$61.45	\$66.05	\$65.00	\$70.74	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$652.19
646.	3031	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$34.92	\$31.68	\$27.82	\$22.86	\$18.24	\$17.16	\$333.72
647.	1043	\$21.30	\$24.35	\$24.34	\$15.19	\$17.43	\$9.09	\$6.17	\$6.63	\$8.75	\$1.62	\$6.93	\$14.63	\$156.44
648.	2898	\$21.30	\$25.20	\$33.22	\$32.34	\$34.76	\$34.21	\$28.05	\$26.99	\$31.17	\$20.79	\$13.86	\$17.16	\$319.06
649.	3145	\$40.48	\$47.88	\$63.12	\$54.66	\$56.87	\$54.36	\$63.05	\$49.63	\$47.65	\$43.43	\$34.66	\$32.60	\$588.40
650.	3201	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$35.22	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$426.68
651.	2821	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
652.	2881	\$35.50	\$42.00	\$55.37	\$53.90	\$57.94	\$49.02	\$62.05	\$59.27	\$51.94	\$38.10	\$30.40	\$28.60	\$572.09
653.	3097	\$40.48	\$47.88	\$56.86	\$40.34	\$58.58	\$40.38	\$51.84	\$56.00	\$48.61	\$40.30	\$34.66	\$32.60	\$548.53
654.	3068	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
655.	2902	\$35.50	\$42.00	\$42.57	\$34.70	\$46.12	\$34.04	\$40.70	\$36.68	\$51.94	\$38.10	\$30.40	\$28.60	\$461.34
656.	3172	\$26.98	\$31.92	\$42.08	\$40.97	\$36.53	\$30.85	\$40.36	\$45.04	\$29.05	\$28.28	\$23.10	\$21.73	\$396.90
657.	3108	\$35.50	\$42.00	\$45.11	\$28.33	\$39.29	\$33.61	\$44.58	\$57.67	\$51.94	\$38.10	\$30.40	\$28.60	\$475.14
658.	3254	\$16.90	\$19.99	\$26.32	\$18.27	\$27.58	\$21.98	\$24.73	\$25.40	\$19.78	\$18.13	\$14.47	\$13.61	\$247.17
659.	3153	\$26.98	\$31.92	\$35.01	\$37.71	\$36.95	\$33.41	\$42.14	\$34.30	\$28.73	\$28.95	\$23.10	\$21.73	\$380.95
660.	3235	\$40.48	\$47.88	\$63.12	\$60.64	\$66.05	\$33.48	\$46.83	\$34.87	\$35.98	\$22.62	\$34.66	\$32.60	\$519.19
661.	2760	\$10.35	\$15.64	\$17.49	\$7.47	\$18.88	\$2.73	\$18.41	\$21.00	\$5.37	\$35.20	\$1.73	\$10.20	\$164.46
662.	3277	\$26.98	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$434.79
663.	3083	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
664.	2825	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
665.	3228	\$17.75	\$21.00	\$27.12	\$17.58	\$26.26	\$15.81	\$22.49	\$21.27	\$19.07	\$18.02	\$15.20	\$14.30	\$235.87
666.	3332	\$26.98	\$31.92	\$42.08	\$33.61	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$427.43
667.	3192	\$26.98	\$31.92	\$42.08	\$37.04	\$44.03	\$43.34	\$43.99	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$427.70
668.	3200	\$13.49	\$15.96	\$20.30	\$18.93	\$22.02	\$17.68	\$20.91	\$22.52	\$17.99	\$14.48	\$11.55	\$10.87	\$206.70
669.	3310	\$8.66	\$10.29	\$12.64	\$5.59	\$19.20	\$23.15	\$18.01	\$17.40	\$19.26	\$17.68	\$13.39	\$5.30	\$170.57
670.	3342	\$13.92	\$16.46	\$21.70	\$21.13	\$22.71	\$22.35	\$24.32	\$23.23	\$20.36	\$14.93	\$11.92	\$11.21	\$224.26
671.	3226	\$63.91	\$75.60	\$99.66	\$97.03	\$87.60	\$64.46	\$84.29	\$96.33	\$84.82	\$68.57	\$54.72	\$51.48	\$928.47
672.	3352	\$21.87	\$25.87	\$34.11	\$33.21	\$35.69	\$35.12	\$38.22	\$36.51	\$32.00	\$23.47	\$18.73	\$17.62	\$352.41

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
673.	3241	\$18.46	\$21.84	\$27.91	\$20.18	\$27.17	\$20.54	\$32.27	\$30.82	\$23.63	\$14.90	\$15.81	\$14.87	\$268.40
674.	3313	\$12.07	\$14.28	\$18.83	\$18.33	\$19.70	\$19.39	\$21.10	\$20.15	\$17.66	\$12.95	\$10.34	\$9.72	\$194.51
675.	3240	\$31.95	\$37.80	\$47.14	\$29.38	\$35.17	\$23.81	\$23.47	\$27.51	\$31.77	\$28.81	\$27.36	\$25.74	\$369.92
676.	3227	\$36.92	\$43.68	\$57.58	\$56.06	\$60.25	\$57.98	\$60.40	\$61.64	\$54.02	\$39.62	\$31.62	\$29.74	\$589.53
677.	3144	\$21.30	\$25.20	\$29.40	\$20.88	\$33.91	\$23.40	\$24.17	\$21.58	\$21.84	\$14.18	\$18.24	\$17.16	\$271.26
678.	3319	\$26.98	\$31.92	\$42.08	\$37.11	\$43.57	\$35.72	\$47.16	\$45.04	\$35.53	\$28.14	\$23.10	\$21.73	\$418.09
679.	3297	\$21.30	\$25.20	\$33.22	\$25.80	\$33.52	\$19.62	\$21.47	\$18.13	\$21.74	\$17.02	\$18.24	\$17.16	\$272.42
680.	3343	\$24.85	\$29.40	\$38.76	\$33.63	\$35.08	\$35.50	\$41.34	\$37.11	\$27.00	\$26.67	\$21.28	\$20.02	\$370.64
681.	3300	\$17.75	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$286.05
682.	3349	\$14.84	\$18.27	\$17.83	\$15.63	\$19.90	\$20.75	\$26.99	\$25.78	\$22.60	\$16.57	\$13.22	\$12.44	\$216.25
683.	3308	\$32.95	\$38.98	\$51.38	\$32.90	\$42.06	\$20.75	\$39.22	\$43.47	\$36.21	\$22.90	\$28.21	\$26.54	\$415.58
684.	3368	\$41.19	\$33.05	\$31.97	\$32.75	\$44.79	\$41.95	\$51.34	\$49.61	\$33.39	\$33.48	\$31.03	\$33.17	\$457.73
685.	3442	\$35.50	\$40.30	\$41.33	\$43.01	\$36.62	\$31.15	\$52.12	\$54.93	\$29.99	\$33.93	\$30.40	\$28.60	\$457.90
686.	2891	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
687.	3380	\$25.41	\$47.88	\$63.12	\$32.94	\$42.35	\$13.31	\$15.91	\$17.54	\$14.21	\$3.87	\$34.37	\$32.60	\$343.50
688.	2890	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
689.	3239	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
690.	3337	\$71.01	\$84.00	\$105.79	\$65.40	\$59.34	\$56.40	\$61.66	\$80.04	\$71.33	\$67.94	\$60.80	\$57.20	\$840.90
691.	3398	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
692.	3450	\$30.92	\$42.00	\$54.56	\$30.45	\$40.04	\$39.73	\$50.02	\$47.03	\$44.90	\$35.96	\$30.40	\$28.60	\$474.61
693.	3421	\$22.32	\$34.10	\$44.96	\$36.87	\$47.05	\$28.62	\$31.60	\$34.85	\$29.08	\$21.19	\$24.69	\$23.22	\$378.55
694.	3396	\$14.80	\$31.92	\$42.08	\$27.03	\$34.39	\$22.91	\$21.50	\$28.00	\$20.51	\$11.48	\$20.40	\$21.73	\$296.77
695.	3397	\$27.85	\$63.84	\$60.59	\$48.12	\$68.10	\$44.22	\$64.14	\$58.71	\$50.60	\$38.91	\$46.21	\$43.47	\$634.76
696.	3459	\$19.58	\$47.88	\$63.12	\$61.45	\$66.05	\$51.30	\$70.74	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$617.60
697.	3447	\$5.15	\$21.00	\$27.68	\$26.95	\$28.97	\$28.51	\$31.03	\$29.63	\$25.97	\$19.05	\$15.20	\$14.30	\$273.45
698.	3393	\$2.61	\$31.92	\$42.08	\$40.97	\$44.03	\$43.34	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$410.42
699.	3412	\$0.00	\$24.30	\$29.83	\$20.71	\$24.41	\$21.08	\$31.22	\$30.40	\$24.73	\$19.05	\$18.24	\$17.16	\$261.12
700.	3435	\$0.00	\$33.00	\$60.91	\$44.55	\$51.03	\$35.75	\$49.47	\$56.87	\$44.26	\$32.83	\$33.44	\$31.46	\$473.56
701.	3491	\$0.00	\$12.75	\$27.19	\$17.76	\$21.50	\$14.03	\$14.02	\$9.39	\$12.59	\$8.20	\$10.15	\$14.30	\$161.87
702.	3513	\$0.00	\$17.71	\$29.60	\$21.76	\$34.43	\$24.83	\$37.30	\$40.99	\$33.39	\$23.08	\$23.10	\$21.73	\$307.93
703.	3390	\$0.00	\$3.57	\$18.83	\$18.33	\$19.70	\$19.39	\$21.10	\$20.15	\$17.66	\$12.95	\$10.34	\$9.72	\$171.73
704.	3449	\$0.00	\$13.68	\$84.16	\$50.42	\$48.00	\$40.35	\$49.66	\$90.09	\$72.62	\$24.04	\$33.29	\$43.47	\$549.78
705.	3496	\$0.00	\$1.50	\$27.68	\$21.12	\$26.55	\$20.40	\$18.29	\$24.08	\$19.03	\$9.51	\$13.92	\$14.30	\$196.38
706.	3545	\$0.00	\$0.00	\$15.95	\$11.82	\$15.52	\$20.40	\$11.06	\$7.91	\$8.54	\$13.65	\$20.43	\$19.22	\$136.59
707.	3452	\$0.00	\$0.00	\$0.00	\$47.21	\$49.36	\$59.13	\$57.29	\$54.72	\$44.45	\$43.43	\$34.66	\$32.60	\$422.85
708.	3500	\$0.00	\$0.00	\$0.00	\$20.84	\$29.51	\$17.91	\$15.89	\$12.28	\$11.95	\$4.09	\$9.77	\$9.54	\$131.79
709.	3522	\$0.00	\$0.00	\$0.00	\$34.14	\$54.63	\$24.39	\$33.98	\$40.16	\$27.04	\$38.10	\$30.40	\$28.60	\$311.43
710.	3472	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
711.	3597	\$0.00	\$0.00	\$0.00	\$14.37	\$49.29	\$35.49	\$62.05	\$59.27	\$44.19	\$28.77	\$30.08	\$28.60	\$352.12
712.	3577	\$0.00	\$0.00	\$0.00	\$1.56	\$50.41	\$49.61	\$53.98	\$51.56	\$45.19	\$33.14	\$26.45	\$24.88	\$336.79
713.	3407	\$0.00	\$0.00	\$0.00	\$0.00	\$113.24	\$89.99	\$98.13	\$105.12	\$87.13	\$61.64	\$60.80	\$57.20	\$673.25
714.	3523	\$0.00	\$0.00	\$0.00	\$0.00	\$43.04	\$30.56	\$43.53	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$275.44
715.	3425	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
716.	3552	\$0.00	\$0.00	\$0.00	\$0.00	\$40.65	\$16.87	\$9.05	\$24.20	\$9.68	\$33.14	\$6.81	\$22.85	\$163.26
717.	3589	\$0.00	\$0.00	\$0.00	\$0.00	\$27.24	\$38.32	\$41.70	\$39.83	\$25.87	\$25.60	\$20.43	\$19.22	\$238.20
718.	3379	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
719.	3568	\$0.00	\$0.00	\$0.00	\$0.00	\$27.96	\$54.92	\$63.18	\$80.61	\$70.64	\$47.33	\$41.34	\$38.89	\$444.87
720.	3587	\$0.00	\$0.00	\$0.00	\$0.00	\$20.35	\$30.41	\$31.93	\$46.08	\$37.55	\$26.51	\$30.10	\$28.31	\$251.24
721.	3569	\$0.00	\$0.00	\$0.00	\$0.00	\$8.97	\$16.21	\$23.50	\$25.67	\$15.47	\$14.35	\$18.24	\$17.16	\$139.57
722.	3654	\$0.00	\$0.00	\$0.00	\$0.00	\$7.85	\$23.97	\$22.18	\$18.95	\$17.82	\$8.80	\$13.65	\$17.16	\$130.38
723.	3614	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.85	\$62.05	\$57.85	\$51.41	\$38.10	\$30.40	\$28.60	\$313.25
724.	3558	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.98	\$41.70	\$43.33	\$49.74	\$36.50	\$30.40	\$28.60	\$277.24
725.	3512	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.56	\$47.16	\$45.04	\$39.48	\$28.95	\$23.10	\$21.73	\$243.03
726.	3566	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.65	\$30.93	\$32.11	\$29.53	\$15.32	\$17.85	\$17.16	\$172.55
727.	3521	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.00	\$70.74	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$360.21
728.	3544	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
729.	3499	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.56	\$27.34	\$26.19	\$26.70	\$13.97	\$23.10	\$21.73	\$163.60
730.	3606	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.17	\$70.74	\$57.75	\$36.69	\$11.80	\$19.82	\$32.60	\$257.57
731.	3373	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.00	\$90.42	\$84.82	\$97.76	\$51.14	\$69.31	\$65.20	\$484.65
732.	3578	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.40	\$28.04	\$26.53	\$22.16	\$22.37	\$25.67	\$28.60	\$164.77
733.	3576	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5.78	\$31.47	\$28.07	\$23.47	\$12.80	\$23.10	\$21.73	\$146.42
734.	3109	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.50	\$42.13	\$25.81	\$22.02	\$23.10	\$21.73	\$179.29
735.	3605	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$58.05	\$15.40	\$30.06	\$18.53	\$23.07	\$28.60	\$173.70
736.	3690	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.42	\$47.06	\$43.26	\$34.50	\$30.40	\$28.60	\$229.24
737.	3704	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.59	\$42.66	\$29.73	\$15.93	\$19.01	\$21.73	\$170.66
738.	3600	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.29	\$29.51	\$24.62	\$22.10	\$18.51	\$17.42	\$138.46
739.	3604	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
740.	3584	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$57.81	\$90.09	\$78.95	\$57.91	\$46.21	\$43.47	\$374.43
741.	3446	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.51	\$67.57	\$59.21	\$43.43	\$34.66	\$32.60	\$273.98
742.	3579	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.14	\$30.33	\$25.87	\$25.16	\$21.16	\$19.90	\$133.57
743.	3726	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.53	\$33.53	\$29.04	\$19.39	\$21.89	\$20.59	\$135.96
744.	3567	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.41	\$25.05	\$19.99	\$13.61	\$21.28	\$20.02	\$108.36
745.	3703	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4.00	\$58.81	\$49.84	\$38.10	\$30.40	\$28.60	\$209.75
746.	3658	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.61	\$36.49	\$27.07	\$23.10	\$21.73	\$136.00
747.	3548	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.23	\$57.44	\$22.40	\$27.04	\$32.60	\$178.72
748.	3744	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.08	\$26.09	\$31.09	\$24.81	\$23.34	\$133.40
749.	3670	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.02	\$42.42	\$30.94	\$34.66	\$32.60	\$164.64
750.	3756	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.54	\$25.44	\$12.99	\$12.10	\$17.85	\$77.92
751.	3615	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.49	\$24.48	\$16.77	\$23.80	\$22.39	\$94.94
752.	3779	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3.67	\$13.83	\$6.91	\$10.22	\$10.98	\$45.60
753.	3762	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.38	\$9.73	\$2.95	\$5.02	\$6.86	\$25.94
754.	3780	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16.62	\$11.50	\$11.67	\$10.98	\$50.78
755.	3693	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48.20	\$2.71	\$34.94	\$33.17	\$119.03
756.	3810	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.14	\$42.06	\$33.56	\$31.57	\$147.34
757.	3510	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
758.	3784	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.42	\$24.52	\$25.87	\$24.71	\$103.53
759.	3799	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.74	\$46.95	\$46.21	\$43.47	\$181.37
760.	3857	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.93	\$23.20	\$18.51	\$17.42	\$77.06
761.	3793	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.98	\$29.83	\$23.80	\$22.39	\$95.01
762.	3797	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.48	\$25.32	\$17.58	\$23.34	\$74.72
763.	3798	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.39	\$29.06	\$20.94	\$28.60	\$88.98
764.	3816	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.98	\$26.48	\$23.35	\$21.96	\$79.77
765.	3699	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.31	\$60.96	\$48.64	\$43.80	\$161.71
766.	3721	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5.19	\$26.92	\$10.30	\$28.60	\$71.02
767.	3668	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13.58	\$9.28	\$10.87	\$33.73
768.	3811	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.12	\$18.24	\$17.16	\$57.52
769.	3666	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16.96	\$18.24	\$17.16	\$52.36
770.	2851	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3.76	\$5.47	\$5.15	\$14.38
771.	3830	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.17	\$19.70	\$18.53	\$45.40
772.	3827	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3.05	\$25.11	\$23.62	\$51.78
773.	3669	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.87	\$20.54	\$20.45	\$42.86
774.	3841	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.00	\$24.69	\$23.22	\$49.90
775.	3851	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.58	\$29.36	\$30.03	\$61.97
776.	3691	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.74	\$18.24	\$17.16	\$36.14
777.	3824	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.80	\$19.65	\$18.59	\$39.04
778.	3821	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.88	\$10.87	\$21.75
779.	3835	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.02	\$21.73	\$41.76
780.	3822	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.51	\$20.59	\$38.10
781.	3848	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.61	\$57.20	\$103.81
782.	3834	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.15	\$14.30	\$25.45
783.	3924	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13.64	\$24.05	\$37.69
784.	3783	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.34	\$23.22	\$35.56

Unitil Energy Systems, Inc.
Net Metering Accounts
Displaced Distribution
Revenue Calculation

Total distribution revenue displaced - \$

Sequence	GID ID	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Total 2019
785.	3886	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.05	\$16.59	\$23.64
786.	3860	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.15	\$28.60	\$39.75
787.	3861	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8.47	\$21.73	\$30.21
788.	3875	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.43	\$26.77	\$37.20
789.	3852	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.70	\$21.73	\$29.44
790.	3873	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.17	\$17.42	\$23.59
791.	3893	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4.23	\$14.93	\$19.16
792.	3656	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4.62	\$32.60	\$37.22
793.	3929	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3.79	\$25.59	\$29.39
794.	3955	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3.08	\$21.73	\$24.82
795.	3595	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4.62	\$37.28	\$41.90
796.	3607	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4.99	\$43.56	\$48.54
797.	3894	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.63	\$19.63
798.	3862	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.93	\$18.93
799.	3763	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
800.	3832	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.62	\$11.62
801.	3960	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.62	\$11.62
802.	3910	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14.02	\$14.02
803.	3781	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.53	\$17.53
804.	3806	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13.32	\$13.32
805.	3912	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.96	\$10.96
806.	3883	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$9.82	\$9.82
807.	3831	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.99	\$11.99
808.	3864	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7.97	\$7.97
809.	3877	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.93	\$19.93
810.	3892	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.48	\$2.48
811.	3905	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6.18	\$6.18
812.	3842	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2.80	\$2.80
813.	3982	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1.85	\$1.85
Total		\$16,997	\$19,922	\$25,087	\$21,347	\$23,804	\$20,772	\$25,371	\$24,794	\$21,015	\$16,514	\$14,095	\$13,369	\$243,087

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Caution: Photovoltaic system performance predictions calculated by PVWatts® include many inherent assumptions and uncertainties and do not reflect variations between PV technologies nor site-specific characteristics except as represented by PVWatts® inputs. For example, PV modules with better performance are not differentiated within PVWatts® from lesser performing modules. Both NREL and private companies provide more sophisticated PV modeling tools (such as the System Advisor Model at <https://sam.nrel.gov>) that allow for more precise and complex modeling of PV systems.

The expected range is based on 30 years of actual weather data at the given location and is intended to provide an indication of the variation you might see. For more information, please refer to this NREL report: The Error Report.

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The energy output range is based on analysis of 30 years of historical weather data for nearby, and is intended to provide an indication of the possible interannual variability in generation for a Fixed (open rack) PV system at this location.

Schedule

DJD-2

1,611,023 kWh/Year*

System output may range from 1,536,110 to 1,682,230 kWh per year near this location.

RESULTS

Month	Solar Radiation (kWh / m ² / day)	AC Energy (kWh)	Value (\$)
January	3.08	100,381	13,973
February	4.19	118,743	16,529
March	5.03	156,543	21,791
April	5.36	152,402	21,214
May	5.60	162,837	22,667
June	5.85	160,259	22,308
July	6.28	174,396	24,276
August	5.97	166,578	23,188
September	5.29	145,989	20,322
October	3.60	107,074	14,905
November	2.84	85,443	11,894
December	2.50	80,378	11,189
Annual	4.63	1,611,023	\$ 224,256

User Comments

1,250 kW-DC with a 1.25 DC to AC ratio would represent a 1,000 kW-AC system. Results should be divided by 1,000 to get units on a per 1 kW-AC basis.

Location and Station Identification

Requested Location	concord, nh
Weather Data Source	Lat, Lon: 43.21, -71.54 0.2 mi
Latitude	43.21° N
Longitude	71.54° W

PV System Specifications (Residential)

DC System Size	1250 kW
Module Type	Standard
Array Type	Fixed (open rack)
Array Tilt	20°
Array Azimuth	180°
System Losses	14.08%
Inverter Efficiency	96%
DC to AC Size Ratio	1.25

Economics

Average Retail Electricity Rate	0.139 \$/kWh
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Performance Metrics

Capacity Factor	14.7%
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