

NHPUC NO. 10 - ELECTRICITY DELIVERY  
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
DBA EVERSOURCE ENERGY

RESIDENTIAL TIME-OF-DAY  
DELIVERY SERVICE RATE R-OTOD 2

AVAILABILITY

Subject to the Terms and Conditions of the Tariff of which it is a part, this rate is for Delivery Service in individual urban, rural and farm residences and apartments. Service under this rate is available at the Customer's option to those Customers who have completed a written Application for Service and signed a Service Agreement and who receive all of their Delivery Service requirements hereunder, except that outdoor area lighting is available under Outdoor Lighting Delivery Service Rate OL.

This rate is not applicable to commercial purposes except as specified hereafter. Multiple use of service within the residence through one meter shall be billed in accordance with the predominant use of the demand. When wired for connection to the same meter, service under this rate shall include the residence and connecting and adjacent buildings used exclusively for noncommercial purposes.

The use of single-phase motors of 3 H.P. rating or less is permitted under this rate provided such use does not interfere with the quality of service rendered to other Customers. Upon written application to the Company, the use of larger motors may be authorized where existing distribution facilities permit.

LIMITATIONS ON AVAILABILITY

The availability of this rate to particular Customers is contingent upon the availability of time-of-use meters and personnel to administer the rate, all as determined by the Company.

Because the Company's distribution system and Customer service facilities have a limited electrical capacity, large and/or intermittent and irregular electrical loads can result in the overloading and damaging of said facilities and can adversely affect the quality of service to other Customers of the Company. Therefore, service under this rate shall not be available where, in the Company's judgment, sufficient distribution system capacity and Customer service facilities do not exist in order to supply the electrical requirements of the applicant unless the Service Agreement provides for a suitable cash payment or a satisfactory revenue guarantee to the Company, or both. Further, in the event that a Customer receiving service under this rate shall propose to materially increase the amount of Delivery Service required, the Customer shall give the Company prior written notice of this fact, thereby allowing the Company to ascertain whether sufficient distribution system capacity and Customer service facilities exist to serve the proposed increased requirement. Where the capacity or facilities do not exist, the Customer will not make the proposed increase until the Service Agreement shall be amended to provide for a suitable cash payment or a satisfactory revenue guarantee to the Company, or both.

Issued: June 15, 2021

Issued by: /s/ Joseph A. Purington  
Joseph A. Purington

Effective:

Title: President, NH Electric Operations

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Original Page 47B  
Rate R-OTOD 2

SERVICE AGREEMENT

The term of the Service Agreement shall be one year and shall continue thereafter until canceled by one month's notice to the Company by the Customer. The Customer will not be permitted to change from this rate to any other rate until the Customer has taken service under this rate for at least twelve months. However, upon payment by the Customer of a suitable termination charge, the Company may, at its option, waive this provision where a substantial hardship to the Customer would otherwise result.

CHARACTER OF SERVICE

Service supplied under this rate will be single-phase, 60 hertz, alternating current, normally three-wire at a nominal voltage of 120/240 volts.

RATE PER MONTH

Customer Charge .....\$32.08 per month

Energy Charges:

Per Kilowatt-Hour

Distribution Charges:

On-Peak Hours (12:00 Noon to 7:00 p.m.)  
weekdays excluding Holidays) .....2.800¢

Off-Peak Hours (all other hours) .....2.310¢

Regulatory Reconciliation Adjustment.... ....0.000¢

Transmission Charges:

On-Peak Hours (12:00 Noon to 7:00 p.m.)  
weekdays excluding Holidays) ..... 7.400¢

Off-Peak Hours (all other hours) ..... 1.650¢

Stranded Cost Recovery.....0.844¢

The On-Peak Hours shall be the hours after 12:00 Noon and before 7:00 p.m. weekdays excluding holidays as defined in this Tariff. The Off-Peak Hours shall be all hours not included in the On-Peak Hours.

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#### CAPACITY CHARGE

The Company's studies may show that, in order to more closely follow cost of service, it is necessary or desirable to utilize meters capable of measuring rate of taking of electric service in kilowatts. The Company may install such meters either for all Customers served under this rate or for only those Customers whose usage of electricity is uncharacteristic of this class. At any time, the Company may file a revision of the rate form and/or charges of this rate to provide for an appropriate capacity charge. After such revision of this rate, any Customer who is subject to higher billing under this rate will have the option of continuing to take service under this rate or to take service under any other rate of the Company's Tariff which may be available.

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Rate R-OTOD 2

RESIDENTIAL TIME-OF-DAY  
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Rate R-OTOD 2

SERVICE AGREEMENT

The term of the Service Agreement shall be one year and shall continue thereafter until canceled by one month's notice to the Company by the Customer. The Customer will not be permitted to change from this rate to any other rate until the Customer has taken service under this rate for at least twelve months. However, upon payment by the Customer of a suitable termination charge, the Company may, at its option, waive this provision where a substantial hardship to the Customer would otherwise result.

CHARACTER OF SERVICE

Service supplied under this rate will be single-phase, 60 hertz, alternating current, normally three-wire at a nominal voltage of 120/240 volts.

RATE PER MONTH

Customer Charge .....\$32.08 per month

Energy Charges:  
Per Kilowatt-Hour

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weekdays excluding Holidays) .....2.800¢

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Off-Peak Hours (all other hours) ..... 1.650¢

Stranded Cost Recovery.....0.844¢

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CAPACITY CHARGE

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**Summary of Rate R OTOD versus Rate R OTOD 2**

8	USAGE	At 50% On-peak 50% Off-peak			At 41% On-peak 59% Off-peak			At 24% On-peak 76% Off-peak			At 21% On-peak 79% Off-peak			At 15% On-peak 85% Off-peak			At 5% On-peak 95% Off-peak		
10	ENERGY	Rate R OTOD	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference			
11	(kWh)																		
13	100	\$ 49.72	\$ 47.77	\$ (1.95)	\$ 47.21	\$ (2.51)	\$ 46.15	\$ (3.58)	\$ 45.96	\$ (3.76)	\$ 45.58	\$ (4.14)	\$ 44.96	\$ (4.76)					
14	200	67.36	63.46	(3.91)	62.33	(5.03)	60.21	(7.15)	59.84	(7.53)	59.09	(8.27)	57.84	(9.52)					
15	250	76.18	71.30	(4.88)	69.90	(6.29)	67.24	(8.94)	66.78	(9.41)	65.84	(10.34)	64.28	(11.90)					
16	300	85.00	79.14	(5.86)	77.46	(7.54)	74.28	(10.73)	73.72	(11.29)	72.59	(12.41)	70.72	(14.28)					
17	400	102.64	94.83	(7.81)	92.59	(10.06)	88.34	(14.30)	87.59	(15.05)	86.10	(16.55)	83.60	(19.04)					
18	475	115.88	106.60	(9.28)	103.93	(11.95)	98.89	(16.98)	98.00	(17.87)	96.22	(19.65)	93.26	(22.62)					
19	500	120.29	110.52	(9.77)	107.71	(12.57)	102.41	(17.88)	101.47	(18.81)	99.60	(20.69)	96.48	(23.81)					
20	550	129.11	118.36	(10.74)	115.28	(13.83)	109.44	(19.67)	108.41	(20.70)	106.35	(22.75)	102.92	(26.19)					
21	600	137.93	126.21	(11.72)	122.84	(15.09)	116.47	(21.45)	115.35	(22.58)	113.10	(24.82)	109.36	(28.57)					
22	650	146.75	134.05	(12.70)	130.40	(16.35)	123.51	(23.24)	122.29	(24.46)	119.86	(26.89)	115.80	(30.95)					
23	700	155.57	141.90	(13.67)	137.96	(17.60)	130.54	(25.03)	129.23	(26.34)	126.61	(28.96)	122.24	(33.33)					
24	750	164.39	149.74	(14.65)	145.53	(18.86)	137.57	(26.82)	136.17	(28.22)	133.36	(31.03)	128.68	(35.71)					
25	1000	208.49	188.96	(19.53)	183.34	(25.15)	172.74	(35.76)	170.86	(37.63)	167.12	(41.37)	160.88	(47.61)					
26	1050	217.31	196.80	(20.51)	190.91	(26.41)	179.77	(37.54)	177.80	(39.51)	173.87	(43.44)	167.32	(49.99)					
27	1600	296.70	267.40	(29.30)	258.98	(37.72)	243.06	(53.63)	240.26	(56.44)	234.64	(62.06)	225.28	(71.42)					
28	1500	314.34	283.09	(31.25)	274.10	(40.24)	257.13	(57.21)	254.13	(60.21)	248.14	(66.20)	238.16	(76.18)					
29	2000	384.90	345.84	(39.06)	334.61	(50.30)	313.39	(71.51)	309.65	(75.26)	302.16	(82.74)	289.68	(95.22)					
30	2500	473.11	424.28	(48.83)	410.24	(62.87)	383.72	(89.39)	379.04	(94.07)	369.68	(103.43)	354.08	(119.03)					
31	3000	561.32	502.72	(58.60)	485.87	(75.44)	454.05	(107.27)	448.43	(112.88)	437.20	(124.12)	418.48	(142.84)					
32	5000	914.14	816.48	(97.66)	788.40	(125.74)	735.36	(178.78)	726.00	(188.14)	707.28	(206.86)	676.08	(238.06)					
33	7500	1,355.17	1,208.68	(146.49)	1,166.56	(188.61)	1,087.00	(268.17)	1,072.96	(282.21)	1,044.88	(310.29)	998.08	(357.09)					

Summary of Rate R versus Rate R OTOD 2

USAGE	At 50% On-peak 50% Off-peak			At 41% On-peak 59% Off-peak		At 24% On-peak 76% Off-peak		At 21% On-peak 79% Off-peak		At 15% On-peak 85% Off-peak		At 5% On-peak 95% Off-peak	
ENERGY (kWh)	RATE R	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference	RATE R OTOD 2	Difference
100	30.75	\$ 47.77	\$ 17.02	\$ 47.21	\$ 16.46	\$ 46.15	\$ 15.40	\$ 45.96	\$ 15.21	\$ 45.58	\$ 14.84	\$ 44.96	\$ 14.21
200	47.69	63.46	15.77	62.33	14.65	60.21	12.53	59.84	12.15	59.09	11.40	57.84	10.15
250	56.16	71.30	15.15	69.90	13.74	67.24	11.09	66.78	10.62	65.84	9.68	64.28	8.13
300	64.62	79.14	14.52	77.46	12.84	74.28	9.65	73.72	9.09	72.59	7.97	70.72	6.10
400	81.56	94.83	13.27	92.59	11.02	88.34	6.78	87.59	6.03	86.10	4.53	83.60	2.04
475	94.27	106.60	12.33	103.93	9.66	98.89	4.63	98.00	3.74	96.22	1.96	\$ 93.26	(1.01)
500	98.50	110.52	12.02	107.71	9.21	102.41	3.91	101.47	2.97	99.60	1.10	\$ 96.48	(2.02)
550	106.97	118.36	11.40	115.28	8.31	109.44	2.47	108.41	1.44	106.35	(0.62)	\$ 102.92	(4.05)
600	115.44	126.21	10.77	122.84	7.40	116.47	1.04	115.35	(0.09)	113.10	(2.33)	\$ 109.36	(6.08)
650	123.91	134.05	10.15	130.40	6.49	123.51	(0.40)	122.29	(1.62)	119.86	(4.05)	\$ 115.80	(8.11)
700	132.38	141.90	9.52	137.96	5.59	130.54	(1.84)	129.23	(3.15)	126.61	(5.77)	\$ 122.24	(10.14)
750	140.85	149.74	8.90	145.53	4.68	137.57	(3.27)	136.17	(4.68)	133.36	(7.49)	\$ 128.68	(12.17)
1000	183.19	188.96	5.77	183.34	0.15	172.74	(10.45)	170.86	(12.33)	167.12	(16.07)	\$ 160.88	(22.31)
1050	191.66	196.80	5.15	190.91	(0.75)	179.77	(11.89)	177.80	(13.86)	173.87	(17.79)	\$ 167.32	(24.34)
1600	267.88	267.40	(0.48)	258.98	(8.90)	243.06	(24.82)	240.26	(27.62)	234.64	(33.24)	\$ 225.28	(42.60)
1500	284.82	283.09	(1.73)	274.10	(10.72)	257.13	(27.69)	254.13	(30.68)	248.14	(36.67)	\$ 238.16	(46.66)
2000	352.57	345.84	(6.73)	334.61	(17.96)	313.39	(39.18)	309.65	(42.92)	302.16	(50.41)	\$ 289.68	(62.89)
2500	437.26	424.28	(12.98)	410.24	(27.02)	383.72	(53.54)	379.04	(58.22)	369.68	(67.58)	\$ 354.08	(83.18)
3000	521.95	502.72	(19.23)	485.87	(36.08)	454.05	(67.90)	448.43	(73.52)	437.20	(84.75)	\$ 418.48	(103.47)
5000	860.71	816.48	(44.23)	788.40	(72.31)	735.36	(125.35)	726.00	(134.71)	707.28	(153.43)	\$ 676.08	(184.63)
7500	1,284.16	1,208.68	(75.48)	1,166.56	(117.60)	1,087.00	(197.16)	1,072.96	(211.20)	1,044.88	(239.28)	\$ 998.08	(286.08)



Typical Bills by Rate Schedule  
24% On-peak/76% Off-peak  
Rate R-OTOD vs. Rate R-OTOD-2

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		BILL DIFFERENCE	
TOTAL ENERGY (kWh)	R-OTOD CURRENT	R-OTOD 2 PROPOSED	AMOUNT	PERCENT
100	\$ 49.72	\$ 46.15	\$ (3.58)	-7.19%
200	67.36	60.21	(7.15)	-10.62%
250	76.18	67.24	(8.94)	-11.73%
300	85.00	74.28	(10.73)	-12.62%
400	102.64	88.34	(14.30)	-13.93%
475	115.88	98.89	(16.98)	-14.66%
500	120.29	102.41	(17.88)	-14.86%
550	129.11	109.44	(19.67)	-15.23%
600	137.93	116.47	(21.45)	-15.55%
650	146.75	123.51	(23.24)	-15.84%
700	155.57	130.54	(25.03)	-16.09%
750	164.39	137.57	(26.82)	-16.31%
1,000	208.49	172.74	(35.76)	-17.15%
1,050	217.31	179.77	(37.54)	-17.28%
1,500	296.70	243.06	(53.63)	-18.08%
1,600	314.34	257.13	(57.21)	-18.20%
2,000	384.90	313.39	(71.51)	-18.58%
2,500	473.11	383.72	(89.39)	-18.89%
3,000	561.32	454.05	(107.27)	-19.11%
5,000	914.14	735.36	(178.78)	-19.56%
7,500	1,355.17	1,087.00	(268.17)	-19.79%

	Current RODOD Rate	Proposed RODOD 2 Rate	Difference
Customer Charge	\$ 32.08	\$ 32.08	\$ -
<u>Energy Charge On Peak kWh</u>			
Distribution	\$ 0.15015	\$ 0.02800	\$ (0.12215)
Transmission	0.03011	0.07400	0.04389
Stranded Cost Recovery Charge	0.01238	0.01238	-
System Benefits Charge	0.00743	0.00743	-
<u>Energy Service Charge</u>	<u>0.06627</u>	<u>0.06627</u>	<u>-</u>
Total per On Peak kWh	0.26634	0.18808	(0.07826)
<u>Energy Charge Off Peak kWh</u>			
Distribution	\$ 0.00818	\$ 0.02310	\$ 0.01492
Transmission	0.01966	0.01650	(0.00316)
Stranded Cost Recovery Charge	0.01238	0.01238	-
System Benefits Charge	0.00743	0.00743	-
<u>Energy Service Charge</u>	<u>0.06627</u>	<u>0.06627</u>	<u>-</u>
Total per Off Peak kWh	0.11392	0.12568	0.01176
% Sales On Peak	41%	24%	
% Sales Off Peak	59%	76%	

Note: Immaterial differences due to rounding.

Typical Bills by Rate Schedule  
24% On-peak/76% Off-peak  
Rate R vs Rate R-OTOD 2

(A)	(B)	(C)	(D) = (C) - (B)	(E) = (D) / (B)
USAGE	TOTAL MONTHLY BILL		TOTAL BILL DIFFERENCE	
ENERGY	RATE R	RATE R-OTOD 2	AMOUNT	PERCENT
(kWh)	CURRENT	PROPOSED		
100	\$ 30.75	\$ 46.15	\$ 15.40	50.08%
200	47.69	60.21	12.53	26.27%
250	56.16	67.24	11.09	19.75%
300	64.62	74.28	9.65	14.94%
400	81.56	88.34	6.78	8.31%
475	94.27	98.89	4.63	4.91%
500	98.50	102.41	3.91	3.97%
550	106.97	109.44	2.47	2.31%
600	115.44	116.47	1.04	0.90%
650	123.91	123.51	-0.40	-0.32%
700	132.38	130.54	-1.84	-1.39%
750	140.85	137.57	-3.27	-2.32%
1,000	183.19	172.74	-10.45	-5.71%
1,050	191.66	179.77	-11.89	-6.20%
1,500	267.88	243.06	-24.82	-9.26%
1,600	284.82	257.13	-27.69	-9.72%
2,000	352.57	313.39	-39.18	-11.11%
2,500	437.26	383.72	-53.54	-12.24%
3,000	521.95	454.05	-67.90	-13.01%
5,000	860.71	735.36	-125.35	-14.56%
7,500	1284.16	1087.00	-197.16	-15.35%

	Rate R	Rate R-OTOD (see EAD-4, Page 1)
Customer Charge	\$ 13.81	
Distribution Charge per kWh	0.05116	
Transmission Charge per kWh	0.03011	
Energy Service Charge	0.06627	
Stranded Cost Recovery Charge	0.01441	
System Benefits Charge	0.00743	

Note: Immaterial differences due to rounding.

**Optional Residential Time-of-Day Rate Design**

**Rate Design Revenue Requirements**

Distribution		
	Total <sup>1</sup>	\$ 245,789,395
	Customer <sup>2</sup>	<u>(169,679,589)</u>
	Volumetric <sup>3</sup>	\$ 415,468,984
Transmission		\$ 94,695,072

**Marginal Costs<sup>4,5</sup>**

	Peak	Off-Peak	MC Differential
	(\$/kWh)	(\$/kWh)	(\$/kWh)
Distribution (system level) <sup>6</sup>	0.00469	0.00012	0.00457
Transmission	0.06156	0.00397	0.05759

**TOD (Volumetric) Rate Design**

Peak Period: 7 Hours (12 Noon - 7 pm)

	kWh Usage		
	Peak	Off-Peak	Total
kWh Usage	741,658,481	2,403,312,354	3,144,970,835
	24%	76%	

MC-based Rate Design

			Rate Design Revenue Target
Distribution	0.02769	0.02312	\$ 76,109,806
Transmission	0.07412	0.01653	\$ 94,695,072

Notes

<sup>1</sup> Total Rate R Revenue Requirement (approved by NH PUC in DE 19-057)

<sup>2</sup> Customer Charge Revenue (using approved Rate R-TOD customer charge)

<sup>3</sup> Total distribution revenue target for time differentiated volumetric rate design

<sup>4</sup> Best fit analysis to combine distribution and transmission marginal costs resulted in peak period of 12 Noon-7pm

<sup>5</sup> Distribution marginal costs from marginal cost of service study in DE 19-057; transmission marginal costs from probability of peak analysis

<sup>6</sup> Local distribution costs included in customer component

<sup>7</sup> Total kWh x current transmission rate (\$.03011/kWh)