

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
TRANSMISSION RATES PROPOSED FOR EFFECT ON OCTOBER 1, 2023

Rate	Blocks	(A) Current Rates Effective 08/01/2023 (1)	(B) Proposed Rates Effective 10/01/2023 (2)
R	All KWH	\$ 0.02360	\$ 0.02965
Uncontrolled Water Heating	All KWH	\$ 0.01827	\$ 0.02295
Controlled Water Heating	All KWH	\$ 0.01827	\$ 0.02295
R-OTOD	On-peak KWH	\$ 0.02360	\$ 0.02965
	Off-peak KWH	\$ 0.01541	\$ 0.01936
RODOD-2	On-peak KWH	\$ 0.07925	\$ 0.09955
	Off-peak KWH	\$ 0.00925	\$ 0.01162
G	Load charge (over 5 KW)	\$ 6.09	\$ 7.65
	First 500 KWH	\$ 0.02201	\$ 0.02765
	Next 1,000 KWH	\$ 0.00828	\$ 0.01040
	All additional KWH	\$ 0.00444	\$ 0.00558
Space Heating	All KWH	\$ 0.02201	\$ 0.02765
G-OTOD	Load charge	\$ 4.01	\$ 5.04
LCS	Radio-controlled option	\$ 0.01827	\$ 0.02295
	8-hour option	\$ 0.01827	\$ 0.02295
	10 or 11-hour option	\$ 0.01827	\$ 0.02295
GV	First 100 KW	\$ 8.15	\$ 10.24
	All additional KW	\$ 8.15	\$ 10.24
EV-2	All KWH	\$ 0.11400	\$ 0.14321
LG	Demand charge	\$ 8.03	\$ 10.09
B (3)	Demand charge	\$ 3.18	\$ 1.61
OL, EOL	All KWH	\$ 0.01613	\$ 0.02026

Notes:

- (1) Current rates are based on a retail average transmission rate of 2.179 ¢/KWH.
(2) Proposed rates are based on a retail average transmission rate of 2.701 ¢/KWH.
(3) The calculation of the Rate B charge is shown on Attachment SRA-4. All other rates have been calculated by adjusting current rates by an equal percentage necessary to recover the remaining transmission revenue requirement.

**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
RATE B CUSTOMERS**

Base Component Revenue Requirement			
Total Transmission Revenue Requirement	\$	209,101,947	MBP-1, Page 1, Line 11
Times Base Component Ratio		<u>0.50183%</u>	SRA-2, Page 2, Line 35
Base Component Forecasted Revenue Requirement	\$	1,049,346	Line 14 x Line 16
Base Component Reconciliation	\$	<u>1,750,504</u>	SRA-2, Page 3, Line 32
Base Component Revenue Requirement	\$	2,799,850	Line 18 + Line 20
Rate B Projected Billing Demand		<u>1,150,206</u>	
Rate B Base Component per kW or kVA	\$	2.43	Line 22/Line 24

**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
RATE B CUSTOMERS**

**Contribution to Coincident System Peak (KW)
Period Ending 9/30/23**

	Rate B	Total PSNH	Ratio of Rate B to Total PSNH
Aug-22	3,171	1,725,036	
Sep	4,675	1,231,621	
Oct	6,414	1,013,710	
Nov	8,632	1,165,348	
Dec	8,249	1,224,169	
Jan 2023	9,897	1,194,115	
Feb	3,564	1,323,185	
Mar	3,645	1,135,731	
Apr	10,256	1,027,740	
May	7,156	1,109,496	
Jun	4,978	1,328,813	
Jul ⁽¹⁾	6,189	1,709,925	
Aug ⁽¹⁾	6,017	1,635,932	
Sep ⁽¹⁾	6,087	1,426,775	
	-		
Average	6,352	1,265,741	0.50183%

⁽¹⁾ Estimated data

**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
RATE B CUSTOMERS**

Estimated Base Component Reconciliation, 14 months Ending September 30, 2023

Prior Period Transmission Revenue Requirement:

Retail Transmission Operating Costs	\$ 399,311,528	MBP-1, Page 4, line 11 and Page 5, line 11
(Over)/Underrecovery, 14 month period ending 9/30/2023	(16,286,377)	MBP-1, Page 4, line 19
Return on monthly (over)/underrecovery, 14 month period ending 9/30/2023	<u>(2,772,560)</u>	MBP-1, Page 4, line 17 and Page 5, line 17

Prior Period Transmission Revenue Requirement \$ 380,252,590 Sum of Lines 16 to 18

Times Base Component Ratio 0.50183% SRA-2, Page 2, Line 33

Prior Period Base Component Revenue Requirement \$ 1,908,239 Line 20 x Line 22

Base Component Reconciliation for 12-Month Period Ending 7/31/2021 1,435,084 SRA-2, Page 5, line 32

Total Base Component Revenue Requirement \$ 3,343,323 Line 24 + Line 26

Base Component Revenue (actual through June 2023, July through September 2023 estimated) 1,592,819

Estimated Base Component Reconciliation, 12 months Ending 7/31/2022 \$ 1,750,504 Line 28 - Line 30

**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
RATE B CUSTOMERS**

**Contribution to Legacy NU System Peak (KW)
Period Ending 7/31/2022**

	<u>Rate B</u>	<u>Total PSNH</u>	<u>Ratio of Rate B to Total PSNH</u>
Aug-20	7,543	1,736,738	
Sep	3,089	1,295,123	
Oct	3,097	1,049,720	
Nov	6,638	1,176,679	
Dec	9,099	1,256,775	
Jan 2021	8,555	1,351,610	
Feb	3,739	1,263,360	
Mar	1,441	1,171,721	
Apr	4,587	993,494	
May	11,417	1,324,480	
Jun	7,568	1,509,987	
Jul	2,643	1,699,412	
Average	5,785	1,319,092	0.43853%

**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
RATE B CUSTOMERS**

Actual Base Component Reconciliation, 12 months Ending July 31, 2022

Prior Period Transmission Revenue Requirement:

Retail Transmission Operating Costs	\$ 404,178,663	MBP-1, P4, Line 11 & 2022 MBP -1 P4, Line 21
(Over)/Underrecovery, period ending 7/31/2022	(25,059,201)	2022 MPB-1, P4, Line 19
Return on monthly (over)/underrecovery, period Ending 7/31/2022	(390,694)	MBP-1, P5, Line 17 & 2022 MBP-1, P4, Line 17

Prior Period Transmission Revenue Requirement

\$ 378,728,767 Sum of Lines 16 to 18

Times Base Component Ratio

0.43853% SRA-2, Page 4, Line 29

Prior Period Base Component Revenue Requirement

\$ 1,660,849 Line 20 x Line 22

Base Component Reconciliation for 12-Month Period Ending 7/31/2021

1,385,652 2022 EAD-2, P5, Line 32

Total Base Component Revenue Requirement

\$ 3,046,501 Line 24 + Line 26

Actual Base Component Revenue, 12 Month Period Ending 7/31/2022

1,611,417

Actual Base Component Reconciliation, 12 months Ending 7/31/2022

\$ 1,435,084 Line 28 - Line 30

**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
ALLOCATION OF OCTOBER 2023 TRANSMISSION REVENUE TO CLASS
BASED ON 2018 BILLING DETERMINANTS**

			Source
2018 retail billed delivery sales	7,954,422	MWH	
Forecasted TCAM Rate	\$ 0.02701	per KWH	Attachment MBP-1, Page 1, Line 13
Target transmission revenue	\$ 214,849	(000)	Line 13 x Line 14
Rate B Base Component Revenue	\$ 1,126	(000)	Attachment SRA-4, Column C, Line 28
Transmission revenue to be recovered from all other classes	\$ 213,723	(000)	Line 15 - Line 16
	(1)	(2)	(3) (4)
	Revenue at	10/1/2023	Change
	8/1/2022	Revenue	Amount Percent Change
	Rate Level	Target	
Transmission revenue excluding Rate B Base Component			
Residential Rates R, R-OTOD	\$ 74,346	\$ 93,394	\$ 19,048 25.6%
General Service Rates G, G-OTOD	37,425	47,014	9,589 25.6%
Primary General Service Rate GV	34,424	43,244	8,820 25.6%
GV Rate B - incremental component only	19	24	5 25.6%
Large General Service Rate LG	22,657	28,461	5,805 25.6%
LG Rate B - incremental component only	637	800	163 25.6%
Outdoor Lighting Rates OL, EOL	625	785	160 25.6%
Total (Sum of Lines 27 to 37)	\$ 170,134	\$ 213,723	\$ 43,589 25.6%
Rate B Base Component			
GV Rate B - base component	\$ 93	\$ 33	\$ (60) -64.7%
LG Rate B - base component	3,099	1,093	(2,006) -64.7%
Total (Line 43 + Line 44)	\$ 3,193	\$ 1,126	\$ (2,067) -64.7%
Total, all customers (Line 39 + Line 45)	\$ 173,327	\$ 214,849	\$ 41,522 24.0%
Total Rate B, incremental plus base:			
Rate GV: Line 32 + Line 43	\$ 113	\$ 57	\$ (56) -49.3%
Rate LG: Line 35+ Line 44	3,736	1,893	(1,843) -49.3%
Total	\$ 3,849	\$ 1,950	\$ (1,899) -49.3%

Notes:
(1) The result of applying rates effective August 1, 2022 to 2018 billing determinants.
(2) The Rate B base component was taken from Attachment SRA-4. Revenue targets for all other classes were calculated by adjusting current revenues for each class by an equal percentage.
(3) Column (2) - Column (1).
(4) Column (3) / Column (1).

**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
CALCULATION OF TRANSMISSION REVENUE AND RATES FOR RATE B CUSTOMERS
BASED ON DE 06-028 SETTLEMENT AGREEMENT ARTICLE V, SECTION 5.1.1. AND
2018 BILLING DETERMINANTS**

	(A)	(B)	(C) = (A) x (B)	(D)	(E) = (D) / (A)	(F) = (B) + (E)
	2018 Billing Demand	Base Component of Rate	Revenue from Base Component	Allocated Revenue from Incremental Component	Incremental Component of Rate	Total Base Plus Incremental Rate
Rate B customers on Rate GV	35,399	\$ 2.43	\$ 86,020	\$ 24,131	\$ 0.68	\$ 3.11
Rate B customers on Rate LG	<u>1,174,005</u>	\$ 2.43	\$ 2,852,832	\$ 800,307	\$ 0.68	\$ 3.11
Rate B 2021/2022 Reconciliation (1)			<u>\$ (1,813,000)</u>			
Total Rate B customers	1,209,404	\$ 0.93	\$ 1,125,852	\$ 824,438	\$ 0.68	\$ 1.61

Column (B) is from Attachment SRA-2, Page 1, Line 26
Column (D) is from Attachment SRA-3, Column (B), Lines 32 and 35.
(1) Reconciliation of 2021/2022 Rate B Allocation

**Comparison of Rates Effective August 1, 2023 and Proposed Rates for Effect October 1, 2023
for Residential Service Rate R**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Effective Date	Charge	Distribution Charge	Regulatory Reconciliation Adjustment	Transmission Charge	Stranded Cost Recovery Charge	System Benefits Charge	Electricity Consumption Tax	Energy Service Charge	Total Rate
August 1, 2023	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05357	\$ 0.00047	\$ 0.02360	\$ 0.00694	\$ 0.00905	\$ -	\$ 0.12582	\$ 0.21945
October 1, 2023 (Proposed)	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05357	\$ 0.00047	\$ 0.02965	\$ 0.00694	\$ 0.00905	\$ -	\$ 0.12582	\$ 0.22550

Calculation of 550 kWh monthly bill, by rate component:

	8/1/2023	10/1/2023	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 43.27	\$ 43.27	\$ -	0.0%	0.0%
Regulatory Reconciliation Adjustment	0.26	0.26	\$ -	0.0%	0.0%
Transmission	12.98	16.31	3.33	25.7%	2.5%
Stranded Cost Recovery Charge	3.82	3.82	-	0.0%	0.0%
System Benefits Charge	4.98	4.98	-	0.0%	0.0%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 65.31	\$ 68.64	\$ 3.33	5.1%	2.5%
Energy Service	69.20	69.20	-	0.0%	0.0%
Total	\$ 134.51	\$ 137.84	\$ 3.33	2.5%	2.5%

Calculation of 600 kWh monthly bill, by rate component:

	8/1/2023	10/1/2023	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 45.95	\$ 45.95	\$ -	0.0%	0.0%
Regulatory Reconciliation Adjustment	0.28	0.28	\$ -	0.0%	0.0%
Transmission	14.16	17.79	3.63	25.6%	2.5%
Stranded Cost Recovery Charge	4.16	4.16	-	0.0%	0.0%
System Benefits Charge	5.43	5.43	-	0.0%	0.0%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 69.98	\$ 73.61	\$ 3.63	5.2%	2.5%
Energy Service	75.49	75.49	-	0.0%	0.0%
Total	\$ 145.47	\$ 149.10	\$ 3.63	2.5%	2.5%

Calculation of 650 kWh monthly bill, by rate component:

	8/1/2023	10/1/2023	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 48.63	\$ 48.63	\$ -	0.0%	0.0%
Regulatory Reconciliation Adjustment	0.31	0.31	\$ -	0.0%	0.0%
Transmission	15.34	19.27	3.93	25.6%	2.5%
Stranded Cost Recovery Charge	4.51	4.51	-	0.0%	0.0%
System Benefits Charge	5.88	5.88	-	0.0%	0.0%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 74.67	\$ 78.60	\$ 3.93	5.3%	2.5%
Energy Service	81.78	81.78	-	0.0%	0.0%
Total	\$ 156.45	\$ 160.38	\$ 3.93	2.5%	2.5%

**Comparison of Rates Effective October 1, 2022 and Proposed Rates for Effect October 1, 2023
for Residential Service Rate R**

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)
Effective Date	Charge	Distribution Charge	Regulatory Reconciliation Adjustment	Transmission Charge	Stranded Cost Recovery Charge	System Benefits Charge	Electricity Consumption Tax	Energy Service Charge	Total Rate
October 1, 2022	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05196	\$ 0.00046	\$ 0.02360	\$ 0.00273	\$ 0.00863	\$ -	\$ 0.22566	\$ 0.31304
October 1, 2023 (Proposed)	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05357	\$ 0.00047	\$ 0.02965	\$ 0.00694	\$ 0.00905	\$ -	\$ 0.12582	\$ 0.22550

Calculation of 550 kWh monthly bill, by rate component:

	10/1/2022	10/1/2023	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 42.39	\$ 43.27	\$ 0.88	2.1%	0.5%
Regulatory Reconciliation Adjustment	0.25	0.26	0.01	4.0%	0.0%
Transmission	12.98	16.31	3.33	25.7%	1.8%
Stranded Cost Recovery Charge	1.50	3.82	2.32	154.7%	1.2%
System Benefits Charge	4.75	4.98	0.23	4.8%	0.1%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 61.87	\$ 68.64	\$ 6.77	10.9%	3.6%
Energy Service	124.11	69.20	(54.91)	-44.2%	-29.5%
Total	\$ 185.98	\$ 137.84	\$ (48.14)	-25.9%	-25.9%

Calculation of 600 kWh monthly bill, by rate component:

	10/1/2022	10/1/2023	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 44.99	\$ 45.95	\$ 0.96	2.1%	0.5%
Regulatory Reconciliation Adjustment	0.28	0.28	-	0.0%	0.0%
Transmission	14.16	17.79	3.63	25.6%	1.8%
Stranded Cost Recovery Charge	1.64	4.16	2.52	153.7%	1.2%
System Benefits Charge	5.18	5.43	0.25	4.8%	0.1%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 66.25	\$ 73.61	\$ 7.36	11.1%	3.6%
Energy Service	135.40	75.49	(59.91)	-44.2%	-29.7%
Total	\$ 201.65	\$ 149.10	\$ (52.55)	-26.1%	-26.1%

Calculation of 650 kWh monthly bill, by rate component:

	10/1/2022	10/1/2023	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 47.58	\$ 48.63	\$ 1.05	2.2%	0.5%
Regulatory Reconciliation Adjustment	0.30	0.31	0.01	3.3%	0.0%
Transmission	15.34	19.27	3.93	25.6%	1.8%
Stranded Cost Recovery Charge	1.77	4.51	2.74	154.8%	1.3%
System Benefits Charge	5.61	5.88	0.27	4.8%	0.1%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 70.60	\$ 78.60	\$ 8.00	11.3%	3.7%
Energy Service	146.68	81.78	(64.90)	-44.2%	-29.9%
Total	\$ 217.28	\$ 160.38	\$ (56.90)	-26.2%	-26.2%

Rate Changes Proposed for Effect on October 1, 2023

Impact of Each Change on Delivery Service Bills
Rate Changes Expressed as a Percentage of Total Delivery Revenue for Each Class

Class	Distribution	Regulatory Reconciliation Adjustment	Transmission	SCRC	System Benefits	Consumption Tax	Total Delivery Service
Residential	0.0%	0.0%	5.2%	0.0%	0.0%	0.0%	5.2%
General Service	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%
Primary General Service	0.0%	0.0%	8.5%	0.0%	0.0%	0.0%	8.5%
GV Rate B	0.0%	0.0%	-13.1%	0.0%	0.0%	0.0%	-13.1%
Total Primary General Service	0.0%	0.0%	8.4%	0.0%	0.0%	0.0%	8.4%
Large General Service	0.0%	0.0%	9.6%	0.0%	0.0%	0.0%	9.6%
LG Rate B	0.0%	0.0%	-28.6%	0.0%	0.0%	0.0%	-28.6%
Total Large General Service	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	5.7%
Outdoor Lighting Rate OL	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	1.4%
Energy Efficient Outdoor Lt. Rate EOL	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	1.9%
Total Outdoor Lighting	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	1.6%
Total Retail	0.0%	0.0%	5.8%	0.0%	0.0%	0.0%	5.8%

Rate Changes Proposed for Effect on October 1, 2023

Impact of Each Change on Bills including Energy Service
Rate Changes Expressed as a Percentage of Total Revenue for Each Class

Class	Distribution	Regulatory Reconciliation Adjustment	Transmission	SCRC	System Benefits	Consumption Tax	Total Energy Service	Delivery and Energy
Residential	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	2.5%
General Service	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	2.5%
Primary General Service	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	2.4%
GV Rate B	0.0%	0.0%	-6.4%	0.0%	0.0%	0.0%	0.0%	-6.4%
Total General Service	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	2.4%
Large General Service	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.2%
LG Rate B	0.0%	0.0%	-9.5%	0.0%	0.0%	0.0%	0.0%	-9.5%
Total Large General Service	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	1.4%
Outdoor Lighting Rate OL	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	1.0%
Energy Efficient Outdoor Lt. Rate EOL	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	1.2%
Total Outdoor Lighting	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	1.1%
Total Retail	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	2.3%