

TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
TRANSMISSION RATES PROPOSED FOR EFFECT ON AUGUST 1, 2022

Rate	Blocks	(A) Current Rates Effective 08/01/2021 (1)	(B) Proposed Rates Effective 08/01/2022 (2)
R	All KWH	\$ 0.03046	\$ 0.02360
Uncontrolled Water Heating	All KWH	\$ 0.02358	\$ 0.01827
Controlled Water Heating	All KWH	\$ 0.02358	\$ 0.01827
R-OTOD	On-peak KWH	\$ 0.03046	\$ 0.02360
	Off-peak KWH	\$ 0.01989	\$ 0.01541
G	Load charge (over 5 KW)	\$ 7.86	\$ 6.09
	First 500 KWH	\$ 0.02840	\$ 0.02201
	Next 1,000 KWH	\$ 0.01068	\$ 0.00828
	All additional KWH	\$ 0.00573	\$ 0.00444
Space Heating	All KWH	\$ 0.02840	\$ 0.02201
G-OTOD	Load charge	\$ 5.18	\$ 4.01
LCS	Radio-controlled option	\$ 0.02358	\$ 0.01827
	8-hour option	\$ 0.02358	\$ 0.01827
	10 or 11-hour option	\$ 0.02358	\$ 0.01827
GV	First 100 KW	\$ 10.52	\$ 8.15
	All additional KW	\$ 10.52	\$ 8.15
LG	Demand charge	\$ 10.36	\$ 8.03
B (3)	Demand charge	\$ 2.37	\$ 3.18
OL, EOL	All KWH	\$ 0.02082	\$ 0.01613

Notes:

- (1) Current rates are based on a retail average transmission rate of 2.758 ¢/KWH.
- (2) Proposed rates are based on a retail average transmission rate of 2.179 ¢/KWH.
- (3) The calculation of the Rate B charge is shown on Attachment EAD-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	\$ 166,361,401	MBP-1, Page 1, Line 16
Times Base Component Ratio	<u>0.43853%</u>	EAD-2, Page 2, Line 33
Base Component Forecasted Revenue Requirement	\$ 729,549	Line 14 x Line 16
Base Component Reconciliation	<u>\$ 2,400,697</u>	EAD-2, Page 3, Line 32
Base Component Revenue Requirement	\$ 3,130,245	Line 18 + Line 20
Rate B Projected Billing Demand	<u>1,184,500</u>	
Rate B Base Component per kW or kVA	\$ 2.64	Line 22/Line 24

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

Contribution to Coincident System Peak (KW)

Period Ending 7/31/22

	Rate B	Total PSNH	Ratio of Rate B to Total PSNH
Aug-21	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 2022	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 ⁽¹⁾	7,568	1,509,987	
Jul ⁽¹⁾	2,643	1,699,412	
	-		
Average	5,785	1,319,092	0.43853%

⁽¹⁾ Estimated data

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

Estimated Base Component Reconciliation, 12 months Ending July 31, 2021

Prior Period Transmission Revenue Requirement:			
Retail Transmission Operating Costs	\$ 398,763,931		MBP-1, Page 4, line 11 and Page 5, line 11
(Over)/Underrecovery, 12 month period ending 7/31/2021	(25,059,201)		MBP-1, Page 4, line 19
Return on monthly (over)/underrecovery, 12 month period ending 7/31/2022	33,296		MBP-1, Page 4, line 17 and Page 5, line 21
Prior Period Transmission Revenue Requirement	\$ 373,738,026		Sum of Lines 16 to 18
Times Base Component Ratio	0.43853%		EAD-2, Page 2, Line 33
Prior Period Base Component Revenue Requirement	\$ 1,638,963		Line 20 x Line 22
Base Component Reconciliation for 12-Month Period Ending 7/31/2020	1,385,652		EAD-2, Page 5, line 32
Total Base Component Revenue Requirement	\$ 3,024,615		Line 24 + Line 26
Base Component Revenue (actual through May 2021; June and July 2021 estimated)	623,918		
Estimated Base Component Reconciliation, 12 months Ending 7/31/2021	\$ 2,400,697		Line 28 - Line 30

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

**Contribution to Legacy NU System Peak (KW)
Period Ending 7/31/2021**

	<u>Rate B</u>	<u>Total PSNH</u>	Ratio of Rate B to <u>Total PSNH</u>
Aug-20	12,374	1,631,953	
Sep	3,516	1,305,118	
Oct	4,629	1,052,999	
Nov	5,797	1,200,358	
Dec	8,829	1,294,678	
Jan 2021	7,075	1,248,430	
Feb	3,264	1,254,109	
Mar	1,441	1,224,574	
Apr	4,897	997,686	
May	11,928	1,419,554	
Jun	12,801	1,446,984	
Jul	3,561	1,714,299	
Average	6,676	1,315,895	0.50734%

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

Actual Base Component Reconciliation, 12 months Ending July 31, 2021

Prior Period Transmission Revenue Requirement:

Retail Transmission Operating Costs	\$ 302,289,945	MBP-1, P4, Line 11 & 2021 ELM-1 P4, Line 21
(Over)/Underrecovery, period ending 7/31/2020	11,270,275	2021 ELM-1, P4, Line 21
Return on monthly (over)/underrecovery, period Ending 7/31/2021	97,993	MBP-1, P5, Line 21 & 2021 ELM-1, P4, Line 40

Prior Period Transmission Revenue Requirement	\$ 313,658,213	Sum of Lines 16 to 18
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Times Base Component Ratio	<u>0.50734%</u>	EAD-2, Page 4, Line 30
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Prior Period Base Component Revenue Requirement	\$ 1,591,307	Line 20 x Line 22
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Base Component Reconciliation for 12-Month Period Ending 7/31/2020	<u>418,263</u>	2021 JAU-2, P5, Line 32
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Total Base Component Revenue Requirement	\$ 2,009,571	Line 24 + Line 26
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Actual Base Component Revenue, 12 Month Period Ending 7/31/2021	<u>623,918</u>	
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Actual Base Component Reconciliation, 12 months Ending 7/31/2021	\$ 1,385,652	Line 28 - Line 30
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**TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM) CALCULATION
ALLOCATION OF AUGUST 1, 2022 TRANSMISSION REVENUE TO CLASS
BASED ON 2018 BILLING DETERMINANTS**

				Source
2018 retail billed delivery sales	7,954,422	MWH		
Forecasted TCAM Rate	\$ 0.02179	per KWH		Attachment MBP-1, Page 1, Line 20
Target transmission revenue	\$ 173,327	(000)		Line 13 x Line 14
Rate B Base Component Revenue	\$ 3,193	(000)		Attachment EAD-4, Column C, Line 27
Transmission revenue to be recovered from all other classes	\$ 170,134	(000)		Line 15 - Line 16
	(1)	(2)	(3)	(4)
Transmission revenue	Revenue at	8/1/2022	Change	
excluding Rate B Base Component	8/1/2021	Revenue	Amount	Percent Change
	Rate Level	Target		
Residential Rates R, R-OTOD	\$ 95,938	\$ 74,346	\$ (21,592)	-22.5%
General Service Rates G, G-OTOD	48,295	37,425	(10,869)	-22.5%
Primary General Service Rate GV	44,422	34,424	(9,998)	-22.5%
GV Rate B - incremental component only	25	19	(6)	-22.5%
Large General Service Rate LG	29,237	22,657	(6,580)	-22.5%
LG Rate B - incremental component only	822	637	(185)	-22.5%
Outdoor Lighting Rates OL, EOL	807	625	(182)	-22.5%
Total (Sum of Lines 27 to 37)	\$ 219,546	\$ 170,134	\$ (49,412)	-22.5%
Rate B Base Component				
GV Rate B - base component	\$ 59	\$ 93	\$ 34	58.1%
LG Rate B - base component	1,961	3,099	1,139	58.1%
Total (Line 43 + Line 44)	\$ 2,020	\$ 3,193	\$ 1,173	58.1%
Total, all customers (Line 39 + Line 45)	\$ 221,565	\$ 173,327	\$ (48,238)	-21.8%
Total Rate B, incremental plus base:				
Rate GV: Line 32 + Line 43	\$ 84	\$ 113	\$ 29	34.3%
Rate LG: Line 35+ Line 44	2,783	3,736	954	34.3%
Total	\$ 2,867	\$ 3,849	\$ 983	34.3%

Notes:

- (1) The result of applying rates effective August 1, 2021 to 2018 billing determinants.
(2) The Rate B base component was taken from Attachment JAU-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	\$ 2.64	\$ 93,453	\$ 19,210	\$ 0.54	\$ 3.18
Rate B customers on Rate LG	1,174,005	\$ 2.64	\$ 3,099,373	\$ 637,084	\$ 0.54	\$ 3.18
Total Rate B customers	1,209,404		\$ 3,192,827	\$ 656,293		

Column (B) is from Attachment JAU-2, Page 1, Line 26
Column (D) is from Attachment JAU-3, Column (B), Lines 32 and 35.

**Comparison of Rates Effective August 1, 2021 and Proposed Rates for Effect August 1, 2022
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, 2021	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05177	\$ (0.00016)	\$ 0.03046	\$ 0.00896	\$ 0.00743	\$ -	\$ 0.08826	\$ 0.18672
August 1, 2022 (Proposed)	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05363	\$ 0.00047	\$ 0.02360	\$ 0.00273	\$ 0.00863	\$ -	\$ 0.22566	\$ 0.31472

Calculation of 550 kWh monthly bill, by rate component:

	8/1/2021	8/1/2022	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 42.28	\$ 43.31	\$ 1.03	2.4%	0.9%
Regulatory Reconciliation Adjustment	(0.09)	0.26	\$ 0.35	-388.9%	0.3%
Transmission	16.75	12.98	(3.77)	-22.5%	-3.2%
Stranded Cost Recovery Charge	4.93	1.50	(3.43)	-69.6%	-2.9%
System Benefits Charge	4.09	4.75	0.66	16.1%	0.6%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 67.96	\$ 62.80	\$ (5.16)	-7.6%	-4.4%
Energy Service	48.54	124.11	75.57	155.7%	64.9%
Total	\$ 116.50	\$ 186.91	\$ 70.41	60.4%	60.4%

Calculation of 600 kWh monthly bill, by rate component:

	8/1/2021	8/1/2022	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 44.87	\$ 45.99	\$ 1.12	2.5%	0.9%
Regulatory Reconciliation Adjustment	(0.10)	0.28	\$ 0.38	-380.0%	0.3%
Transmission	18.28	14.16	(4.12)	-22.5%	-3.3%
Stranded Cost Recovery Charge	5.38	1.64	(3.74)	-69.5%	-3.0%
System Benefits Charge	4.46	5.18	0.72	16.1%	0.6%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 72.89	\$ 67.25	\$ (5.64)	-7.7%	-4.5%
Energy Service	52.96	135.40	82.44	155.7%	65.5%
Total	\$ 125.85	\$ 202.65	\$ 76.80	61.0%	61.0%

Calculation of 650 kWh monthly bill, by rate component:

	8/1/2021	8/1/2022	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 47.46	\$ 48.67	\$ 1.21	2.5%	0.9%
Regulatory Reconciliation Adjustment	(0.10)	0.31	\$ 0.41	-410.0%	0.3%
Transmission	19.80	15.34	(4.46)	-22.5%	-3.3%
Stranded Cost Recovery Charge	5.82	1.77	(4.05)	-69.6%	-3.0%
System Benefits Charge	4.83	5.61	0.78	16.1%	0.6%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 77.81	\$ 71.70	\$ (6.11)	-7.9%	-4.5%
Energy Service	57.37	146.68	89.31	155.7%	66.1%
Total	\$ 135.18	\$ 218.38	\$ 83.20	61.5%	61.5%

**Comparison of Rates Effective May 1, 2022 and Proposed Rates for Effect August 1, 2022
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
May 1, 2022	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05196	\$ (0.00032)	\$ 0.03046	\$ 0.00458	\$ 0.00863	\$ -	\$ 0.10669	\$ 0.20200
August 1, 2022 (Proposed)	Customer charge (per month)	\$ 13.81							\$ 13.81
	Charge per kWh	\$ 0.05363	\$ 0.00047	\$ 0.02360	\$ 0.00273	\$ 0.00863	\$ -	\$ 0.22566	\$ 0.31472

Calculation of 550 kWh monthly bill, by rate component:

	5/1/2022	8/1/2022	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 42.39	\$ 43.31	\$ 0.92	2.2%	0.7%
Regulatory Reconciliation Adjustment	(0.18)	0.26	0.44	-244.4%	0.4%
Transmission	16.75	12.98	(3.77)	-22.5%	-3.0%
Stranded Cost Recovery Charge	2.52	1.50	(1.02)	-40.5%	-0.8%
System Benefits Charge	4.75	4.75	-	0.0%	0.0%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 66.23	\$ 62.80	\$ (3.43)	-5.2%	-2.7%
Energy Service	58.68	124.11	65.43	111.5%	52.4%
Total	\$ 124.91	\$ 186.91	\$ 62.00	49.6%	49.6%

Calculation of 600 kWh monthly bill, by rate component:

	5/1/2022	8/1/2022	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 44.99	\$ 45.99	\$ 1.00	2.2%	0.7%
Regulatory Reconciliation Adjustment	(0.19)	0.28	0.47	-247.4%	0.3%
Transmission	18.28	14.16	(4.12)	-22.5%	-3.1%
Stranded Cost Recovery Charge	2.75	1.64	(1.11)	-40.4%	-0.8%
System Benefits Charge	5.18	5.18	-	0.0%	0.0%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 71.01	\$ 67.25	\$ (3.76)	-5.3%	-2.8%
Energy Service	64.01	135.40	71.39	111.5%	52.9%
Total	\$ 135.02	\$ 202.65	\$ 67.63	50.1%	50.1%

Calculation of 650 kWh monthly bill, by rate component:

	5/1/2022	8/1/2022	\$ Change	% Change in each Component	Change as a % of Total Bill
Distribution	\$ 47.58	\$ 48.67	\$ 1.09	2.3%	0.8%
Regulatory Reconciliation Adjustment	(0.21)	0.31	0.52	-247.6%	0.4%
Transmission	19.80	15.34	(4.46)	-22.5%	-3.1%
Stranded Cost Recovery Charge	2.98	1.77	(1.21)	-40.6%	-0.8%
System Benefits Charge	5.61	5.61	-	0.0%	0.0%
Electricity Consumption Tax	-	-	-	0.0%	0.0%
Delivery Service	\$ 75.76	\$ 71.70	\$ (4.06)	-5.4%	-2.8%
Energy Service	69.35	146.68	77.33	111.5%	53.3%
Total	\$ 145.11	\$ 218.38	\$ 73.27	50.5%	50.5%

Rate Changes Proposed for Effect on August 1, 2022

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	1.4%	0.7%	-5.1%	-1.6%	0.0%	0.0%	-5.3%
General Service	1.2%	0.6%	-6.5%	-3.0%	0.0%	0.0%	-7.7%
Primary General Service	0.9%	0.0%	-9.3%	-4.0%	0.0%	0.0%	-12.4%
GV Rate B	1.3%	0.6%	7.7%	-2.0%	0.0%	0.0%	7.6%
Total Primary General Service	0.9%	0.0%	-9.3%	-4.0%	0.0%	0.0%	-12.4%
Large General Service	0.8%	0.4%	-10.4%	-2.9%	0.0%	0.0%	-12.1%
LG Rate B	0.7%	1.5%	18.8%	-2.0%	0.0%	0.0%	18.9%
Total Large General Service	0.8%	0.5%	-8.1%	-2.8%	0.0%	0.0%	-9.6%
Outdoor Lighting Rate OL	2.0%	0.8%	-1.5%	-2.8%	0.0%	0.0%	-1.6%
Energy Efficient Outdoor Lt. Rate EOL	1.9%	1.1%	-1.8%	-3.7%	0.0%	0.0%	-2.6%
Total Outdoor Lighting	1.9%	0.9%	-1.6%	-3.1%	0.0%	0.0%	-1.9%
Total Retail	1.2%	0.5%	-6.2%	-2.4%	0.0%	0.0%	-7.3%

Rate Changes Proposed for Effect on August 1, 2022

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	0.7%	0.3%	-2.6%	-0.8%	0.0%	0.0%	53.2%	50.4%
General Service	0.6%	0.3%	-3.1%	-1.5%	0.0%	0.0%	57.5%	53.8%
Primary General Service	0.3%	0.0%	-3.4%	-1.5%	0.0%	0.0%	100.0%	95.5%
GV Rate B	0.7%	0.3%	4.2%	-1.1%	0.0%	0.0%	71.7%	75.8%
Total General Service	0.3%	0.0%	-3.4%	-1.5%	0.0%	0.0%	99.9%	95.4%
Large General Service	0.3%	0.0%						
LG Rate B	0.3%	0.1%	-3.2%	-0.9%	0.0%	0.0%	108.2%	104.5%
Total Large General Service	0.3%	0.5%	6.7%	-0.7%	0.0%	0.0%	100.8%	107.6%
Outdoor Lighting Rate OL	0.3%	0.1%	-3.2%	-0.9%	0.0%	0.0%	108.2%	104.5%
Energy Efficient Outdoor Lt. Rate EOL	0.3%	0.5%	6.7%	-0.7%	0.0%	0.0%	100.8%	107.6%
Total Outdoor Lighting	0.3%	0.1%	-2.5%	-0.9%	0.0%	0.0%	107.7%	104.7%
Outdoor Lighting Rate OL	1.4%	0.6%	-1.1%	-2.1%	0.0%	0.0%	29.7%	28.5%
Energy Efficient Outdoor Lt. Rate EOL	1.3%	0.7%	-1.2%	-2.5%	0.0%	0.0%	35.9%	34.2%
Total Outdoor Lighting	1.4%	0.6%	-1.1%	-2.2%	0.0%	0.0%	31.9%	30.5%
Total Retail	0.6%	0.2%	-2.9%	-1.1%	0.0%	0.0%	69.7%	66.3%