Consolidated Edison Company
of New York, Inc.
4 Irving Place
New York NY 10003
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August 17, 2018

Honorable Kathleen H. Burgess
Secretary
New York State Public Service Commission
3 Empire State Plaza, 19th Floor
Albany, New York 12223-1350

RE: Case 15-E-0751 – In the Matter of the Value of Distributed Energy Resources
Matter 17-01277 – In the Matter of the Value of Distributed Energy Resources Working Group Regarding Rate Design

Dear Secretary Burgess:

On June 29, 2018, Department of Public Service Staff issued a letter identifying rate design proposals selected for bill impact analysis and describing the process going forward to evaluate such rate design proposals ("Staff Letter"). Consolidated Edison Company of New York, Inc. hereby submits, in PDF and Excel format, the rate designs specified in, and determined in accordance with, the Staff Letter.

Sincerely,

/s/ William A. Atzl, Jr.
Director
Rate Engineering Department

Enc.
cc: Marco Padula, DPS Staff, w/enclosure (via electronic mail)
Warren Myers, DPS Staff, w/enclosure (via electronic mail)
Theodore Kelly, DPS Staff, w/enclosure (via electronic mail)

Consolidated Edison Company of New York, Inc.

Summary of Rate Designs

Residential

JU TOU Demand		
	Summer	Non-Summer
Customer Charge	$15.76	$15.76
On Peak kW ($/kW)	18.92	14.55
Off Peak kW ($/kW)	6.28	6.28
Peak Period	Noon - 8:00 pm weekdays excluding holidays	
Off-peak Period	All other hours	

JU TOU Volumetric		
	Summer	Non-Summer
Customer Charge	$15.76	$15.76
On Peak kWh ($/kWh)	0.27647	0.21267
Off Peak kWh ($/kWh)	0.06048	0.06048
Peak Period	Noon - 8:00 pm weekdays excluding holidays	
Off-peak Period	All other hours	

CEP		
	Summer	Non-Summer
Customer Charge	$15.76	$15.76
On Peak kWh ($/kWh)	0.36437	0.12146
Off Peak kWh ($/kWh)	0.12146	0.06073
Peak Period	4:00pm - 8:00pm weekdays excluding holidays	2:00pm - 8:00pm weekdays excluding holidays
Off-peak Period	All other hours	

JU 2 Demand		
	Summer	Non-Summer
Customer Charge	$15.76	$15.76
CP kW ($/kW)	25.00	
NCP kW ($/kW)	11.09	11.09
CP Measurement Period	Noon - 8:00pm weekdays excluding holidays	N/A
NCP Measurement Period	All hours	

JU TOU Volumetric (Alt Customer Charge)		
	Summer	Non-Summer
Customer Charge	$12.26	$12.26
On Peak kWh ($/kWh)	0.28651	0.22040
Off Peak kWh ($/kWh)	0.06913	0.06913
Peak Period	Noon - 8:00 pm weekdays excluding holidays	
Off-peak Period	All other hours	

CEP (Alt Customer Charge)		
	Summer	Non-Summer
Customer Charge	$12.26	$12.26
On Peak kWh ($/kWh)	0.39444	0.13148
Off Peak kWh ($/kWh)	0.13148	0.06574
Peak Period	4:00pm - 8:00pm weekdays excluding holidays	2:00pm - 8:00pm weekdays excluding holidays
Off-peak Period	All other hours	

Summer Months - June through September

Consolidated Edison Company of New York, Inc.
JU TOU Demand Rate Design
Residential

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kW Charges	Peak kW Charges	Revenue Distribution by Charge: Customer (3)	All kW Charges	Peak kW Charges	Total
Customer	$756,244,400	73.6%	26.4%		$556,434,390	$199,810,009		$756,244,400
Secondary	477,605,494		100.0%	0.0%	0	477,605,494	0	477,605,494
Primary	562,006,530		33.3%	66.7%	0	187,335,510	374,671,020	562,006,530
Transmission	257,794,601		0.0%	100.0%	0	0	257,794,601	257,794,601
Total	$2,053,651,024				$556,434,390	$864,751,013	$632,465,621	$2,053,651,024

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	11,594,992	15.76	185,478,130
On Peak kW (4)	25,295,362	18.92	478,472,981
Off Peak kW	29,830,998	6.28	187,400,879
			851,351,989

Winter

	Billing Units	Rates	Revenue	Total Revenue
Customer Charge	23,189,984	15.76	370,956,260	556,434,390
On Peak kW (4)	37,843,566	14.55	550,636,779	1,029,109,760
Off Peak kW	44,683,569	6.28	280,705,995	468,106,874
			1,202,299,035	2,053,651,024

Summer Peak to Offpeak Ratio	3.01
Winter Peak to Offpeak Ratio	2.32
Summer to Winter Peak Ratio	1.30
Summer Revenue Recovery	41.5%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge	15.76
No. of Customers	2,898,748
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	556,434,390

(4) Peak period is Noon to 8:00 pm weekdays

(5) Calculation of Winter Peak kWh rate:
x = Winter Peak rate
1.3x = Summer Peak rate

Peak kW Rev = Total Rev - Customer Charge Rev - Offpeak kW Rev

J26 * x + D26 * 1.3 x = M17 - (G25 + L25 + G27 + L27)

x * (J26 + D26 * F34) = M17 - (G25 + L25 + G27 + L27)

x = (M17 - (G25 + L25 + G27 + L27))/(J26 + D26 * F34)

Consolidated Edison Company of New York, Inc.
JU TOU Volumetric Rate Design
Residential

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kWh Charges	Peak kWh Charges	Revenue Distribution by Charge: Customer (3)	All kWh Charges	Peak kWh Charges	Total
Customer	$756,244,400	73.6%	26.4%		$556,434,390	$199,810,009		$756,244,400
Secondary	477,605,494		100.0%	0.0%	0	477,605,494	0	477,605,494
Primary	562,006,530		33.3%	66.7%	0	187,335,510	374,671,020	562,006,530
Transmission	257,794,601		0.0%	100.0%	0	0	257,794,601	257,794,601
Total	$2,053,651,024				$556,434,390	$864,751,013	$632,465,621	$2,053,651,024

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	11,594,992	15.76	185,478,130
On Peak kWh (4)	1,413,790,778	0.27647	390,875,778
Off Peak kWh	4,414,582,676	0.06048	267,009,306
			843,363,215

Winter

	Billing Units	Rates	Revenue	Total Revenue
Customer Charge	23,189,984	15.76	370,956,260	556,434,390
On Peak kWh (4)	2,149,313,699	0.21267	457,098,787	847,974,566
Off Peak kWh	6,319,622,914	0.06048	382,232,762	649,242,068
			1,210,287,809	2,053,651,024

Summer Peak to Offpeak Ratio	4.57
Winter Peak to Offpeak Ratio	3.52
Summer to Winter Peak Ratio	1.30
Summer Revenue Recovery	41.1%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge	15.76
No. of Customers	2,898,748
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	556,434,390

(4) Peak period is Noon to 8:00 pm weekdays

(5) Calculation of Winter Peak kWh rate:
x = Winter Peak rate
1.3x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev

J26 * x + D26 * 1.3 x = M17 - (G25 + L25 + G27 + L27)

x * (J26 + D26 * F34) = M17 - (G25 + L25 + G27 + L27)

x = (M17 - (G25 + L25 + G27 + L27))/(J26 + D26 * F34)

Consolidated Edison Company of New York, Inc.
JU 2 Demand Rate Design
Residential

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kW Charges	Peak kW Charges	Revenue Distribution by Charge: Customer (3)	NCP kW Charges	CP kW Charges	Total
Customer	$756,244,400	73.6%	26.4%		$556,434,390	$199,810,009		$756,244,400
Secondary	477,605,494		100.0%	0.0%	0	477,605,494	0	477,605,494
Primary	562,006,530		33.3%	66.7%	0	187,335,510	374,671,020	562,006,530
Transmission	257,794,601		0.0%	100.0%	0	0	257,794,601	257,794,601
Total	$2,053,651,024				$556,434,390	$864,751,013	$632,465,621	$2,053,651,024

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	11,594,992	15.76	185,478,130
CP kW (4)	25,295,362	25.00	632,465,621
NCP kW	31,011,911	11.09	344,070,329
			1,162,014,080

Winter

	Billing Units		Revenue	Total Revenue
Customer Charge	23,189,984	15.76	370,956,260	556,434,390
CP kW (4)				632,465,621
NCP kW	46,930,240	11.09	520,680,684	864,751,013
			891,636,944	2,053,651,024

Sum of Average of Top 3 Daily Demands - Summer Peak (kW)	25,295,362
Sum of Average of Top 3 Daily Demands - All Hours (kW)	77,942,151
NCP Rate	11.09
CP to NCP Ratio	2.25
Summer Revenue Recovery	56.6%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge	15.76
No. of Customers	2,898,748
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	556,434,390

(4) CP Peak period is Noon to 8:00 pm weekdays during Summer (Jun - Sep)

(5) Calculation of Summer CP kW rate:
x = Summer CP rate

CP kW Rev = Total Rev - Customer Charge Rev - NCP Peak kW Rev

Consolidated Edison Company of New York, Inc.
CEP TOU Rate Design
Residential

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	Percent Distribution by Charge: All kWh Charges	Revenue Distribution by Charge: Customer (3)	Revenue Distribution by Charge: All kWh Charges	Total
Customer	$756,244,400	73.6%	26.4%	$556,434,390	$199,810,009	$756,244,400
Secondary	477,605,494		100.0%	0	477,605,494	477,605,494
Primary	562,006,530		100.0%	0	562,006,530	562,006,530
Transmission	257,794,601		100.0%	0	257,794,601	257,794,601
Total	$2,053,651,024			$556,434,390	$1,497,216,634	$2,053,651,024

Rate Calculations

Summer

	Billing Units	Rates	Revenue
Customer Charge	11,594,992	15.76	185,478,130
On Peak kWh (4)	722,395,313	0.36437	263,220,024
Off Peak kWh	5,105,978,141	0.12146	620,157,072
			1,068,855,225

Winter

	Billing Units	Rates (5)	Revenue	Total Revenue
Customer Charge	23,189,984	15.76	370,956,260	556,434,390
On Peak kWh (4)	1,638,990,580	0.12146	199,066,970	462,286,994
Off Peak kWh	6,829,946,034	0.06073	414,772,568	1,034,929,640
			984,795,799	2,053,651,024

Summer Peak to Winter Peak Ratio	3.00
Summer Peak to Offpeak Ratio	3.00
Winter Peak to Offpeak Ratio	2.00
Summer Peak to Winter Offpeak Ratio	6.00
Summer Offpeak to Winter Offpeak Ratio	2.00
Summer revenue recovery	52.0%

(1) Excludes merchant function which is recovered separately through the MFC

(2) Based on Case 14-E-0493 Rate Year 2

(3) Assumes current customer charge

Customer Charge	15.76
No. of Customers	2,898,748
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	556,434,390

(4) Summer Peak period is 4:00 to 8:00 pm weekdays (Jun - Sep); Winter Peak period is 2:00 to 8:00 pm weekdays (Oct - May)

(5) Calculation of Winter Offpeak kWh rate:
x = Winter Offpeak rate
6.0x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev
All Ratio Driven
x = (K17 / (D26 * F34)) + (D27 * F35) + (J26 * F33) + (J27)

Consolidated Edison Company of New York, Inc.
JU TOU Volumetric Rate Design - Alt Customer Charge
Residential

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kWh Charges	Peak kWh Charges	Revenue Distribution by Charge: Customer (3)	All kWh Charges	Peak kWh Charges	Total
Customer	$756,244,400	57.2%	42.8%		$432,860,763	$323,383,637		$756,244,400
Secondary	477,605,494		100.0%	0.0%	0	477,605,494	0	477,605,494
Primary	562,006,530		33.3%	66.7%	0	187,335,510	374,671,020	562,006,530
Transmission	257,794,601		0.0%	100.0%	0	0	257,794,601	257,794,601
Total	$2,053,651,024				$432,860,763	$988,324,640	$632,465,621	$2,053,651,024

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	11,594,992	12.26	144,286,921
On Peak kWh (4)	1,413,790,778	0.28651	405,071,450
Off Peak kWh	4,414,582,676	0.06913	305,165,155
			854,523,526

Winter

	Billing Units	Rates	Revenue	Total Revenue
Customer Charge	23,189,984	12.26	288,573,842	432,860,763
On Peak kWh (4)	2,149,313,699	0.22040	473,699,520	878,770,970
Off Peak kWh	6,319,622,914	0.06913	436,854,137	742,019,291
			1,199,127,498	2,053,651,024

Summer Peak to Offpeak Ratio	4.14
Winter Peak to Offpeak Ratio	3.19
Summer to Winter Peak Ratio	1.30
Summer Revenue Recovery	41.6%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge Excluding Minimum System Components	12.26
No. of Customers	2,898,748
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	432,860,763

(4) Peak period is Noon to 8:00 pm weekdays

(5) Calculation of Winter Peak kWh rate:
x = Winter Peak rate
1.3x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev

J26 * x + D26 * 1.3 x = M17 - (G25 + L25 + G27 + L27)

x * (J26 + D26 * F34) = M17 - (G25 + L25 + G27 + L27)

x = (M17 - (G25 + L25 + G27 + L27))/(J26 + D26 * F34)

Consolidated Edison Company of New York, Inc.
CEP TOU Rate Design - Alt Customer Charge
Residential

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	Percent Distribution by Charge: All kWh Charges	Revenue Distribution by Charge: Customer (3)	Revenue Distribution by Charge: All kWh Charges	Total
Customer	$756,244,400	57.2%	42.8%	$432,860,763	$323,383,637	$756,244,400
Secondary	477,605,494		100.0%	0	477,605,494	477,605,494
Primary	562,006,530		100.0%	0	562,006,530	562,006,530
Transmission	257,794,601		100.0%	0	257,794,601	257,794,601
Total	$2,053,651,024			$432,860,763	$1,620,790,261	$2,053,651,024

Rate Calculations

Summer

	Billing Units	Rates	Revenue
Customer Charge	11,594,992	12.26	144,286,921
On Peak kWh (4)	722,395,313	0.39444	284,945,038
Off Peak kWh	5,105,978,141	0.13148	671,342,089
			1,100,574,048

Winter

	Billing Units	Rates (5)	Revenue	Total Revenue
Customer Charge	23,189,984	12.26	288,573,842	432,860,763
On Peak kWh (4)	1,638,990,580	0.13148	215,497,076	500,442,114
Off Peak kWh	6,829,946,034	0.06574	449,006,058	1,120,348,147
			953,076,976	2,053,651,024

Summer Peak to Winter Peak Ratio	3.00
Summer Peak to Offpeak Ratio	3.00
Winter Peak to Offpeak Ratio	2.00
Summer Peak to Winter Offpeak Ratio	6.00
Summer Offpeak to Winter Offpeak Ratio	2.00
Summer revenue recovery	53.6%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge Excluding Minimum System Components	12.26
No. of Customers	2,898,748
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	432,860,763

(4) Summer Peak period is 4:00 to 8:00 pm weekdays (Jun - Sep); Winter Peak period is 2:00 to 8:00 pm weekdays (Oct - May)

(5) Calculation of Winter Offpeak kWh rate:
x = Winter Offpeak rate
6.0x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev
All Ratio Driven
x = (K17 / (D26 * F34)) + (D27 * F35) + (J26 * F33) + (J27)

Consolidated Edison Company of New York, Inc.

Proposed Rates for Bill Impacts

Residential

Current Delivery Rates			Notes
Customer Charge	($/mo)	$15.76	Rate as of July 1, 2018
BPP	($/mo)	$1.20	Rate as of July 1, 2018
Winter - First 250 kWh	($/kWh)	$0.10221	Rate as of July 1, 2018
Winter - Over 250 kWh	($/kWh)	$0.10221	Rate as of July 1, 2018
Summer - First 250 kWh	($/kWh)	$0.10221	Rate as of July 1, 2018
Summer - Over 250 kWh	($/kWh)	$0.11749	Rate as of July 1, 2018
Current Non-Delivery Rates			
Monthly Adjustment Clause (MAC) [1]	($/kWh)	Varies	See Market Supply Charges Sheet
Dynamic Load Management (DLM) Surcharge	($/kWh)	$0.001500	Rate as of July 1, 2018
System Benefits Charge (SBC)	($/kWh)	$0.006800	Rate as of July 1, 2018
Merchant Function Charge (MFC) [2]	($/kWh)	$0.004163	Rate as of July 1, 2018
Revenue Decoupling Mechanism (RDM)	($/kWh)	$0.000000	Zero
Value of Distributed Energy Resources (VDER)	($/kWh)	$0.000000	Zero
Clean Energy Standard Surcharge (CES/CESD)	($/kWh)	$0.000000	Zero
Delivery GRT Tax	Percentage	4.9892%	Rate as of July 1, 2018
Market Supply Charge (MSC)	($/kWh)	Varies	See Market Supply Charges Sheet
Commodity GRT Tax	Percentage	2.4066%	Rate as of July 1, 2018
Sales Tax	Percentage	0.000%	Zero

NOTES:

[1] MAC excludes the Transition Adjustment component

[2] MFC excludes the Transition Adjustment component

Consolidated Edison Company of New York, Inc.

Proposed Rates for Bill Impacts (Cont.)

Residential

Market Supply Charges

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
2013 MSC Rates by Month (1)												
All kWh ($/kWh)	0.116477	0.113599	0.070047	0.067419	0.097834	0.103687	0.118970	0.078052	0.120339	0.090602	0.089686	0.106240
2013 MAC Rates by Month (2)												
All kWh ($/kWh)	0.018851	0.017085	0.011383	0.017453	0.015232	0.011603	0.010889	0.008108	0.013492	0.014665	0.012549	0.017306
JU TOU Demand (3)												
Peak ($/kWh)	0.222580	0.215901	0.168681	0.165999	0.250842	0.256254	0.288149	0.232168	0.269743	0.237982	0.174450	0.196206
Offpeak ($/kWh)	0.088040	0.087249	0.045623	0.042954	0.047049	0.053143	0.060396	0.026540	0.068877	0.041327	0.049587	0.063471
JU TOU Volumetric (4)												
Peak ($/kWh)	0.110370	0.103691	0.056470	0.053788	0.066737	0.456302	0.488196	0.432216	0.469790	0.053878	0.062239	0.083996
Offpeak ($/kWh)	0.088040	0.087249	0.045623	0.042954	0.047049	0.053143	0.060396	0.026540	0.068877	0.041327	0.049587	0.063471
JU 2 Demand (4)												
Peak ($/kWh)	0.093894	0.091589	0.048453	0.045851	0.052297	0.456302	0.488196	0.432216	0.469790	0.044886	0.052655	0.068594
Offpeak ($/kWh)	0.093894	0.091589	0.048453	0.045851	0.052297	0.053143	0.060396	0.026540	0.068877	0.044886	0.052655	0.068594
CEP TOU Volumetric (5)												
Peak ($/kWh)	0.259990	0.251555	0.204047	0.200475	0.382406	0.383488	0.407564	0.359087	0.399649	0.370977	0.210408	0.233533
Offpeak ($/kWh)	0.088689	0.087977	0.046030	0.043623	0.048616	0.056482	0.069167	0.030736	0.071432	0.042066	0.049961	0.063993

(1) Based on actual MSC rates by month for calendar year 2013, adjusted for revenue neutrality.

(2) Actual MAC rates by month for calendar year 2013. Excludes Transition Adjustment component.

(3) Based on NYISO hourly prices and NTAC/Ancillary Services forecasts, load weighted by time period. Capacity cost components determined by dividing the capacity costs for each capability period by peak period kWh deliveries. Includes applicable MSC adjustments for each month.

(4) Based on NYISO hourly prices and NTAC/Ancillary Services forecasts, load weighted by time period. Capacity cost components applicable only in summer months determined by dividing annual capacity costs by summer peak period kWh deliveries. Includes applicable MSC adjustments for each month.

(5) Same methodology as described in footnote (2) but with peak and off-peak hours as described in CEP delivery methodology.

Consolidated Edison Company of New York, Inc.

Summary of Rate Designs

Commercial

JU TOU Demand		
	Summer	Non-Summer
Customer Charge	$26.01	$26.01
On Peak kW ($/kW)	19.16	14.74
Off Peak kW ($/kW)	7.33	7.33
Peak Period	Noon - 8:00 pm weekdays excluding holidays	
Off-peak Period	All other hours	

JU TOU Volumetric		
	Summer	Non-Summer
Customer Charge	$26.01	$26.01
On Peak kWh ($/kWh)	0.22697	0.17459
Off Peak kWh ($/kWh)	0.06706	0.06706
Peak Period	Noon - 8:00 pm weekdays excluding holidays	
Off-peak Period	All other hours	

CEP		
	Summer	Non-Summer
Customer Charge	$26.01	$26.01
On Peak kWh ($/kWh)	0.37657	0.12552
Off Peak kWh ($/kWh)	0.12552	0.06276
Peak Period	4:00pm - 8:00pm weekdays excluding holidays	2:00pm - 8:00pm weekdays excluding holidays
Off-peak Period	All other hours	

JU 2 Demand		
	Summer	Non-Summer
Customer Charge	$26.01	$26.01
CP kW ($/kW)	24.22	
NCP kW ($/kW)	13.31	13.31
CP Measurement Period	Noon - 8:00pm weekdays excluding holidays	N/A
NCP Measurement Period	All hours	

JU TOU Volumetric (Alt Customer Charge)		
	Summer	Non-Summer
Customer Charge	$19.59	$19.59
On Peak kWh ($/kWh)	0.24177	0.18597
Off Peak kWh ($/kWh)	0.07970	0.07970
Peak Period	Noon - 8:00 pm weekdays excluding holidays	
Off-peak Period	All other hours	

CEP (Alt Customer Charge)		
	Summer	Non-Summer
Customer Charge	$19.59	$19.59
On Peak kWh ($/kWh)	0.42059	0.14020
Off Peak kWh ($/kWh)	0.14020	0.07010
Peak Period	4:00pm - 8:00pm weekdays excluding holidays	2:00pm - 8:00pm weekdays excluding holidays
Off-peak Period	All other hours	

Summer Months - June through September

Consolidated Edison Company of New York, Inc.
JU TOU Demand Rate Design
Commercial

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kW Charges	Peak kW Charges	Revenue Distribution by Charge: Customer (3)	All kW Charges	Peak kW Charges	Total
Customer	$162,311,104	70.1%	29.9%		$113,799,008	$48,512,096		$162,311,104
Secondary	75,444,733		100.0%	0.0%	0	75,444,733	0	75,444,733
Primary	75,094,724		33.3%	66.7%	0	25,031,575	50,063,149	75,094,724
Transmission	41,228,032		0.0%	100.0%	0	0	41,228,032	41,228,032
Total	$354,078,593				$113,799,008	$148,988,404	$91,291,181	$354,078,593

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	1,436,848	26.01	37,933,003
On Peak kW (4)	3,768,835	19.16	72,226,365
Off Peak kW	3,775,384	7.33	27,670,474
			137,829,842

Winter

	Billing Units	Rates	Revenue	Total Revenue
Customer Charge	2,873,696	26.01	75,866,005	113,799,008
On Peak kW (4)	6,298,505	14.74	92,850,185	165,076,550
Off Peak kW	6,485,384	7.33	47,532,561	75,203,035
			216,248,751	354,078,593

Summer Peak to Offpeak Ratio	2.61
Winter Peak to Offpeak Ratio	2.01
Summer to Winter Peak Ratio	1.30
Summer Revenue Recovery	38.9%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge	26.01
No. of Customers	359,212
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	113,799,008

(4) Peak period is Noon to 8:00 pm weekdays

(5) Calculation of Winter Peak kWh rate:
x = Winter Peak rate
1.3x = Summer Peak rate

Peak kW Rev = Total Rev - Customer Charge Rev - Offpeak kW Rev

J26 * x + D26 * 1.3 x = M17 - (G25 + L25 + G27 + L27)

x * (J26 + D26 * F34) = M17 - (G25 + L25 + G27 + L27)

x = (M17 - (G25 + L25 + G27 + L27))/(J26 + D26 * F34)

Consolidated Edison Company of New York, Inc.
JU TOU Volumetric Rate Design
Commercial

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kWh Charges	Peak kWh Charges	Revenue Distribution by Charge: Customer (3)	All kWh Charges	Peak kWh Charges	Total
Customer	$162,311,104	70.1%	29.9%		$113,799,008	$48,512,096		$162,311,104
Secondary	75,444,733		100.0%	0.0%	0	75,444,733	0	75,444,733
Primary	75,094,724		33.3%	66.7%	0	25,031,575	50,063,149	75,094,724
Transmission	41,228,032		0.0%	100.0%	0	0	41,228,032	41,228,032
Total	$354,078,593				$113,799,008	$148,988,404	$91,291,181	$354,078,593

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	1,436,848	26.01	37,933,003
On Peak kWh (4)	265,763,805	0.22697	60,320,616
Off Peak kWh	535,289,692	0.06706	35,894,081
			134,147,699

Winter

	Billing Units	Rates	Revenue	Total Revenue
Customer Charge	2,873,696	26.01	75,866,005	113,799,008
On Peak kWh (4)	453,716,002	0.17459	79,215,593	139,536,209
Off Peak kWh	967,099,825	0.06706	64,849,295	100,743,376
			219,930,894	354,078,593

Summer Peak to Offpeak Ratio	3.38
Winter Peak to Offpeak Ratio	2.60
Summer to Winter Peak Ratio	1.30
Summer Revenue Recovery	37.9%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge	26.01
No. of Customers	359,212
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	113,799,008

(4) Peak period is Noon to 8:00 pm weekdays

(5) Calculation of Winter Peak kWh rate:
x = Winter Peak rate
1.3x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev

J26 * x + D26 * 1.3 x = M17 - (G25 + L25 + G27 + L27)

x * (J26 + D26 * F34) = M17 - (G25 + L25 + G27 + L27)

x = (M17 - (G25 + L25 + G27 + L27))/(J26 + D26 * F34)

Consolidated Edison Company of New York, Inc.
JU 2 Demand Rate Design
Commercial

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kW Charges	Peak kW Charges	Revenue Distribution by Charge: Customer (3)	NCP kW Charges	CP kW Charges	Total
Customer	$162,311,104	70.1%	29.9%		$113,799,008	$48,512,096		$162,311,104
Secondary	75,444,733		100.0%	0.0%	0	75,444,733	0	75,444,733
Primary	75,094,724		33.3%	66.7%	0	25,031,575	50,063,149	75,094,724
Transmission	41,228,032		0.0%	100.0%	0	0	41,228,032	41,228,032
Total	$354,078,593				$113,799,008	$148,988,404	$91,291,181	$354,078,593

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	1,436,848	26.01	37,933,003
CP kW (4)	3,768,835	24.22	91,291,181
NCP kW	4,102,431	13.31	54,611,056
			183,835,240

Winter

	Billing Units		Revenue	Total Revenue
Customer Charge	2,873,696	26.01	75,866,005	113,799,008
CP kW (4)				91,291,181
NCP kW	7,089,710	13.31	94,377,348	148,988,404
			170,243,354	354,078,593

Sum of Average of Top 3 Daily Demands - Summer Peak (kW)	3,768,835
Sum of Average of Top 3 Daily Demands - All Hours (kW)	11,192,141
NCP Rate	13.31
CP to NCP Ratio	1.82
Summer Revenue Recovery	51.9%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge	26.01
No. of Customers	359,212
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	113,799,008

(4) CP Peak period is Noon to 8:00 pm weekdays during Summer (Jun - Sep)

(5) Calculation of Summer CP kW rate:
x = Summer CP rate

CP kW Rev = Total Rev - Customer Charge Rev - NCP Peak kW Rev

Consolidated Edison Company of New York, Inc.
CEP TOU Rate Design
Commercial

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	Percent Distribution by Charge: All kWh Charges	Revenue Distribution by Charge: Customer (3)	Revenue Distribution by Charge: All kWh Charges	Total
Customer	$162,311,104	70.1%	29.9%	$113,799,008	$48,512,096	$162,311,104
Secondary	75,444,733		100.0%	0	75,444,733	75,444,733
Primary	75,094,724		100.0%	0	75,094,724	75,094,724
Transmission	41,228,032		100.0%	0	41,228,032	41,228,032
Total	$354,078,593			$113,799,008	$240,279,585	$354,078,593

Rate Calculations

Summer

	Billing Units	Rates	Revenue
Customer Charge	1,436,848	26.01	37,933,003
On Peak kWh (4)	118,809,596	0.37657	44,740,026
Off Peak kWh	682,243,901	0.12552	85,637,330
			168,310,359

Winter

	Billing Units	Rates (5)	Revenue	Total Revenue
Customer Charge	2,873,696	26.01	75,866,005	113,799,008
On Peak kWh (4)	330,292,611	0.12552	41,459,333	86,199,359
Off Peak kWh	1,090,523,217	0.06276	68,442,896	154,080,226
			185,768,235	354,078,593

Summer Peak to Winter Peak Ratio	3.00
Summer Peak to Offpeak Ratio	3.00
Winter Peak to Offpeak Ratio	2.00
Summer Peak to Winter Offpeak Ratio	6.00
Summer Offpeak to Winter Offpeak Ratio	2.00
Summer Revenue Recovery	47.5%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge	26.01
No. of Customers	359,212
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	113,799,008

(4) Summer Peak period is 4:00 to 8:00 pm weekdays (Jun - Sep); Winter Peak period is 2:00 to 8:00 pm weekdays (Oct - May)

(5) Calculation of Winter Offpeak kWh rate:
x = Winter Offpeak rate
6.0x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev
All Ratio Driven
x = (K17 / (D26 * F34)) + (D27 * F35) + (J26 * F33) + (J27)

Consolidated Edison Company of New York, Inc.
JU TOU Volumetric Rate Design - Alt Customer Charge
Commercial

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	All kWh Charges	Peak kWh Charges	Revenue Distribution by Charge: Customer (3)	All kWh Charges	Peak kWh Charges	Total
Customer	$162,311,104	52.8%	47.2%		$85,710,210	$76,600,894		$162,311,104
Secondary	75,444,733		100.0%	0.0%	0	75,444,733	0	75,444,733
Primary	75,094,724		33.3%	66.7%	0	25,031,575	50,063,149	75,094,724
Transmission	41,228,032		0.0%	100.0%	0	0	41,228,032	41,228,032
Total	$354,078,593				$85,710,210	$177,077,202	$91,291,181	$354,078,593

Rate Calculations

Summer

	Billing Units	Rates (5)	Revenue
Customer Charge	1,436,848	19.59	28,570,070
On Peak kWh (4)	265,763,805	0.24177	64,252,603
Off Peak kWh	535,289,692	0.07970	42,661,195
			135,483,868

Winter

	Billing Units	Rates	Revenue	Total Revenue
Customer Charge	2,873,696	19.59	57,140,140	85,710,210
On Peak kWh (4)	453,716,002	0.18597	84,379,246	148,631,849
Off Peak kWh	967,099,825	0.07970	77,075,339	119,736,534
			218,594,725	354,078,593

Summer Peak to Offpeak Ratio	3.03
Winter Peak to Offpeak Ratio	2.33
Summer to Winter Peak Ratio	1.30
Summer Revenue Recovery	38.3%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge Excluding Minimum System Components	19.59
No. of Customers	359,212
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	85,710,210

(4) Peak period is Noon to 8:00 pm weekdays

(5) Calculation of Winter Peak kWh rate:
x = Winter Peak rate
1.3x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev

J26 * x + D26 * 1.3 x = M17 - (G25 + L25 + G27 + L27)

x * (J26 + D26 * F34) = M17 - (G25 + L25 + G27 + L27)

x = (M17 - (G25 + L25 + G27 + L27))/(J26 + D26 * F34)

Consolidated Edison Company of New York, Inc.
CEP TOU Rate Design - Alt Customer Charge
Commercial

Delivery Revenue Recovery by Cost Category (1)

	Delivery Revenue (2)	Percent Distribution by Charge: Customer	Percent Distribution by Charge: All kWh Charges	Revenue Distribution by Charge: Customer (3)	Revenue Distribution by Charge: All kWh Charges	Total
Customer	$162,311,104	52.8%	47.2%	$85,710,210	$76,600,894	$162,311,104
Secondary	75,444,733		100.0%	0	75,444,733	75,444,733
Primary	75,094,724		100.0%	0	75,094,724	75,094,724
Transmission	41,228,032		100.0%	0	41,228,032	41,228,032
Total	$354,078,593			$85,710,210	$268,368,383	$354,078,593

Rate Calculations

Summer

	Billing Units	Rates	Revenue
Customer Charge	1,436,848	19.59	28,570,070
On Peak kWh (4)	118,809,596	0.42059	49,970,156
Off Peak kWh	682,243,901	0.14020	95,648,375
			174,188,601

Winter

	Billing Units	Rates (5)	Revenue	Total Revenue
Customer Charge	2,873,696	19.59	57,140,140	85,710,210
On Peak kWh (4)	330,292,611	0.14020	46,305,949	96,276,105
Off Peak kWh	1,090,523,217	0.07010	76,443,903	172,092,278
			179,889,992	354,078,593

Summer Peak to Winter Peak Ratio	3.00
Summer Peak to Offpeak Ratio	3.00
Winter Peak to Offpeak Ratio	2.00
Summer Peak to Winter Offpeak Ratio	6.00
Summer Offpeak to Winter Offpeak Ratio	2.00
Summer Revenue Recovery	49.2%

(1) Excludes merchant function which is recovered separately through the MFC
(2) Based on Case 14-E-0493 Rate Year 2
(3) Assumes current customer charge

Customer Charge Excluding Minimum System Components	19.59
No. of Customers	359,212
Elapsed Day Billing Factor	1.015
Customer Charge Revenue	85,710,210

(4) Summer Peak period is 4:00 to 8:00 pm weekdays (Jun - Sep); Winter Peak period is 2:00 to 8:00 pm weekdays (Oct - May)

(5) Calculation of Winter Offpeak kWh rate:
x = Winter Offpeak rate
6.0x = Summer Peak rate

Peak kWh Rev = Total Rev - Customer Charge Rev - Offpeak kWh Rev
All Ratio Driven
x = (K17 / (D26 * F34)) + (D27 * F35) + (J26 * F33) + (J27)

Consolidated Edison Company of New York, Inc.

Proposed Rates for Bill Impacts

Commercial

Current Delivery Rates			Notes
Customer Charge	($/mo)	$26.01	Rate as of July 1, 2018
BPP	($/mo)	$1.20	Rate as of July 1, 2018
Winter - All kWh	($/kWh)	$0.10460	Rate as of July 1, 2018
Summer - All kWh	($/kWh)	$0.12460	Rate as of July 1, 2018
Current Non-Delivery Rates			
Monthly Adjustment Clause (MAC) [1]	($/kWh)	Varies	See Market Supply Charges Sheet
Dynamic Load Management (DLM) Surcharge	($/kWh)	$0.001300	Rate as of July 1, 2018
System Benefits Charge (SBC)	($/kWh)	$0.006800	Rate as of July 1, 2018
Merchant Function Charge (MFC) [2]	($/kWh)	$0.003782	Rate as of July 1, 2018
Revenue Decoupling Mechanism (RDM)	($/kWh)	$0.000000	Zero
Value of Distributed Energy Resources (VDER)	($/kWh)	$0.000000	Zero
Clean Energy Standard Surcharge (CES/CESD)	($/kWh)	$0.000000	Zero
Delivery GRT Tax	Percentage	2.4822%	Rate as of July 1, 2018
Market Supply Charge (MSC)	($/kWh)	Varies	See Market Supply Charges Sheet
Commodity GRT Tax	Percentage	2.4066%	Rate as of July 1, 2018
Sales Tax	Percentage	0.000%	Zero

NOTES:

[1] MAC excludes the Transition Adjustment component

[2] MFC excludes the Transition Adjustment component

Consolidated Edison Company of New York, Inc.

Proposed Rates for Bill Impacts (Cont.)

Commercial

Market Supply Charges

	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
2013 MSC Rates by Month (1)												
All kWh ($/kWh)	0.124381	0.121260	0.078012	0.076320	0.114322	0.120668	0.140275	0.095734	0.137279	0.106218	0.093106	0.110035
2013 MAC Rates by Month (2)												
All kWh ($/kWh)	0.018851	0.017085	0.011383	0.017453	0.015232	0.011603	0.010889	0.008108	0.013492	0.014665	0.012549	0.017306
JU TOU Demand (3)												
Peak ($/kWh)	0.216774	0.210539	0.163955	0.162240	0.245887	0.252163	0.287098	0.229351	0.266473	0.232319	0.170378	0.191105
Offpeak ($/kWh)	0.088310	0.087258	0.046550	0.044392	0.048702	0.055111	0.065427	0.028860	0.070723	0.042778	0.050365	0.064697
JU TOU Volumetric (4)												
Peak ($/kWh)	0.107730	0.101494	0.054911	0.053196	0.067210	0.467126	0.502061	0.444314	0.481436	0.053642	0.061334	0.082061
Offpeak ($/kWh)	0.088310	0.087258	0.046550	0.044392	0.048702	0.055111	0.065427	0.028860	0.070723	0.042778	0.050365	0.064697
JU 2 Demand (4)												
Peak ($/kWh)	0.094560	0.091877	0.049080	0.047210	0.054507	0.467126	0.502061	0.444314	0.481436	0.046299	0.053711	0.070053
Offpeak ($/kWh)	0.094560	0.091877	0.049080	0.047210	0.054507	0.055111	0.065427	0.028860	0.070723	0.046299	0.053711	0.070053
CEP TOU Volumetric (5)												
Peak ($/kWh)	0.263404	0.254823	0.207315	0.203745	0.403397	0.404998	0.430504	0.380695	0.421104	0.392367	0.214147	0.237414
Offpeak ($/kWh)	0.088824	0.087966	0.046019	0.043614	0.048613	0.056998	0.071113	0.031350	0.071893	0.042462	0.050421	0.064595

(1) Based on actual MSC rates by month for calendar year 2013, adjusted for revenue neutrality.

(2) Actual MAC rates by month for calendar year 2013. Excludes Transition Adjustment component.

(3) Based on NYISO hourly prices and NTAC/Ancillary Services forecasts, load weighted by time period. Capacity cost components determined by dividing the capacity costs for each capability period by peak period kWh deliveries. Includes applicable MSC adjustments for each month.

(4) Based on NYISO hourly prices and NTAC/Ancillary Services forecasts, load weighted by time period. Capacity cost components applicable only in summer months determined by dividing annual capacity costs by summer peak period kWh deliveries. Includes applicable MSC adjustments for each month.

(5) Same methodology as described in footnote (2) but with peak and off-peak hours as described in CEP delivery methodology.