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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

Capacity Market Value Cost Recovery - ALTERNATIVE 1
Rule 40.3.2.1

Average Monthly NYISO Spot Auction Capacity Price:	$1.40	/kW
Total of Alternative 1 VDER Projects' Net Injections at hour of NYISO Peak:	21,646	kW
Total Alternative 1 Capacity Market Value Cost to Recover:	**$30,267.90**	

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	40.99%	$12,406.81
SC1C	0.81%	$245.17
SC2ND	2.54%	$768.80
SC2D	14.46%	$4,376.74
SC3-Secondary	13.34%	$4,037.74
SC3-Primary	5.15%	$1,558.80
SC3-Subtransmission/Transmission	1.65%	$499.42
SC3A-Secondary/Primary	2.98%	$901.98
SC3A-Sub Transmission	3.75%	$1,135.05
SC3A-Transmission	14.31%	$4,331.34
Streetlighting	0.02%	$6.05
Total	**100.00%**	**$30,267.90**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00001
SC1C	26,392,427	$0.00001
SC2ND	55,913,390	$0.00001
		$/kW
SC2D	1,160,568	$0.00
SC3-Secondary	909,835	$0.00
SC3-Primary	376,138	$0.00
SC3-Subtransmission/Transmission	149,958	$0.00
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.00
SC3A-Transmission	1,048,407	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00000

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

Capacity Market Value Cost Recovery - ALTERNATIVE 2
Rule 40.3.2.1

Average Monthly NYISO Spot Auction Capacity Price:	$ 1.40	/kW
Total of Alternative 2 VDER Projects' Net Injections at hour of NYISO Peak:	16,493	kW
Total Alternative 2 Capacity Market Value Cost to Recover:	**$ 23,062.01**	

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	40.99%	$9,453.12
SC1C	0.81%	$186.80
SC2ND	2.54%	$585.78
SC2D	14.46%	$3,334.77
SC3-Secondary	13.34%	$3,076.47
SC3-Primary	5.15%	$1,187.69
SC3-Subtransmission/Transmission	1.65%	$380.52
SC3A-Secondary/Primary	2.98%	$687.25
SC3A-Sub Transmission	3.75%	$864.83
SC3A-Transmission	14.31%	$3,300.17
Streetlighting	0.02%	$4.61
Total	**100.00%**	**$23,062.01**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00001
SC1C	26,392,427	$0.00001
SC2ND	55,913,390	$0.00001
		$/kW
SC2D	1,160,568	$0.00
SC3-Secondary	909,835	$0.00
SC3-Primary	376,138	$0.00
SC3-Subtransmission/Transmission	149,958	$0.00
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.00
SC3A-Transmission	1,048,407	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00000

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

Capacity Market Value Cost Recovery - ALTERNATIVE 3
Rule 40.3.2.1

Average Monthly NYISO Spot Auction Capacity Price:	$ 1.40	/kW
Total of Alternative 3 VDER Projects' Net Injections at hour of NYISO Peak:	54	kW
Total Alternative 3 Capacity Market Value Cost to Recover:	**$ 75.51**	

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	40.99%	$30.95
SC1C	0.81%	$0.61
SC2ND	2.54%	$1.92
SC2D	14.46%	$10.92
SC3-Secondary	13.34%	$10.07
SC3-Primary	5.15%	$3.89
SC3-Subtransmission/Transmission	1.65%	$1.25
SC3A-Secondary/Primary	2.98%	$2.25
SC3A-Sub Transmission	3.75%	$2.83
SC3A-Transmission	14.31%	$10.81
Streetlighting	0.02%	$0.02
Total	**100.00%**	**$75.51**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00000
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	$0.00000
		$/kW
SC2D	1,160,568	$0.00
SC3-Secondary	909,835	$0.00
SC3-Primary	376,138	$0.00
SC3-Subtransmission/Transmission	149,958	$0.00
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.00
SC3A-Transmission	1,048,407	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00000

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

Capacity Out of Market Value Cost Recovery
Rule 40.3.2.2

VDER Value Stack Capacity Market Value (Rule 40.3.2.1):	$53,405.43
Total VDER Value Stack Capacity Component Paid to Projects:	$234,248.42
Total Capacity Out of Market Value Cost to Recover:	**$180,842.99**

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	39.61%	$71,634.77
SC1C	0.01%	$23.36
SC2ND	11.82%	$21,370.86
SC2D	14.17%	$25,624.45
SC3	29.86%	$53,999.17
SC3A	3.85%	$6,954.16
Streetlighting	0.68%	$1,236.22
Total	**100.00%**	**$180,842.99**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00007
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	$0.00038
		$/kW
SC2D	1,160,568	$0.02
SC3	1,435,931	$0.04
SC3A	1,523,289	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00009

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

Environmental Market Value Cost Recovery[1]
Rule 40.3.2.3

NYSERDA Tier 1 REC rate in effect for the recovery month[2]:	$0.02233	/kWh
Total of VDER Projects' Net Injections during recovery month:	34,246,937	kWh
Total Environmental Market Value Cost to Recover:	**$764,734.10**	

Notes:

1. The Environmental Market Value costs are recovered annually as part of the Clean Energy Standard Supply charge as specified in Rule 46.3.5.
2. NYSERDA's 2021 Quarter 1 Tier 1 REC Sale Price of $22.33/MWh.

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

Environmental Out of Market Value Cost Recovery
Rule 40.3.2.4

VDER Value Stack Environmental Market Value (Rule 40.3.2.3):	$764,734.10
Total VDER Value Stack Environmental Component Paid to Projects:	$874,505.26
Total Environmental Out of Market Value Cost to Recover:	**$109,771.16**

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	40.03%	$43,942.80
SC1C	0.01%	$8.01
SC2ND	10.24%	$11,238.08
SC2D	18.16%	$19,930.80
SC3	28.47%	$31,252.15
SC3A	2.69%	$2,950.43
Streetlighting	0.41%	$448.88
Total	**100.00%**	**$109,771.16**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00004
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	$0.00020
		$/kW
SC2D	1,160,568	$0.02
SC3	1,435,931	$0.02
SC3A	1,523,289	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00003

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

DRV Cost Recovery
Rule 40.3.2.5

Total VDER Value Stack DRV Component Paid to **Secondary/Primary** Projects: $21,713.56

Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	56.65%	$12,300.73
SC1C	1.18%	$256.22
SC2ND	3.30%	$716.55
SC2D	18.62%	$4,043.06
SC3-Secondary	18.51%	$4,019.18
SC3-Primary	0.00%	$0.00
SC3-Subtransmission/Transmission	0.00%	$0.00
SC3A-Secondary/Primary	0.74%	$160.68
SC3A-Sub Transmission	0.00%	$0.00
SC3A-Transmission	0.00%	$0.00
Streetlighting	1.00%	$217.14
Total	**100.00%**	**$21,713.56**

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00001
SC1C	26,392,427	$0.00001
SC2ND	55,913,390	$0.00001
		$/kW
SC2D	1,160,568	$0.00
SC3-Secondary	909,835	$0.00
SC3-Primary	376,138	$0.00
SC3-Subtransmission/Transmission	149,958	$0.00
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.00
SC3A-Transmission	1,048,407	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00002

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

DRV Cost Recovery
Rule 40.3.2.5

Total VDER Value Stack DRV Component Paid to **Subtransmission/Transmission** Projects: $282.11

Subtransmission/Transmission Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	40.99%	$115.64
SC1C	0.81%	$2.29
SC2ND	2.54%	$7.17
SC2D	14.46%	$40.79
SC3-Secondary	13.34%	$37.63
SC3-Primary	5.15%	$14.53
SC3-Subtransmission/Transmission	1.65%	$4.65
SC3A-Secondary/Primary	2.98%	$8.41
SC3A-Sub Transmission	3.75%	$10.58
SC3A-Transmission	14.31%	$40.37
Streetlighting	0.02%	$0.06
Total	**100.00%**	**$282.11**

Subtransmission/Transmission Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00000
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	$0.00000
		$/kW
SC2D	1,160,568	$0.00
SC3-Secondary	909,835	$0.00
SC3-Primary	376,138	$0.00
SC3-Subtransmission/Transmission	149,958	$0.00
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.00
SC3A-Transmission	1,048,407	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00000

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

LSRV Cost Recovery
Rule 40.3.2.6

Total VDER Value Stack LSRV Component Paid to **Secondary/Primary** Projects: $1,695.48

Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	56.65%	$960.49
SC1C	1.18%	$20.01
SC2ND	3.30%	$55.95
SC2D	18.62%	$315.70
SC3-Secondary	18.51%	$313.83
SC3-Primary	0.00%	$0.00
SC3-Subtransmission/Transmission	0.00%	$0.00
SC3A-Secondary/Primary	0.74%	$12.55
SC3A-Sub Transmission	0.00%	$0.00
SC3A-Transmission	0.00%	$0.00
Streetlighting	1.00%	$16.95
Total	**100.00%**	**$1,695.48**

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00000
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	$0.00000
		$/kW
SC2D	1,160,568	$0.00
SC3-Secondary	909,835	$0.00
SC3-Primary	376,138	$0.00
SC3-Subtransmission/Transmission	149,958	$0.00
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.00
SC3A-Transmission	1,048,407	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00000

Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

LSRV Cost Recovery
Rule 40.3.2.6

Total VDER Value Stack LSRV Component Paid to **Subtransmission/Transmission** Projects: $0.00

Subtransmission/Transmission Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	40.99%	$0.00
SC1C	0.81%	$0.00
SC2ND	2.54%	$0.00
SC2D	14.46%	$0.00
SC3-Secondary	13.34%	$0.00
SC3-Primary	5.15%	$0.00
SC3-Subtransmission/Transmission	1.65%	$0.00
SC3A-Secondary/Primary	2.98%	$0.00
SC3A-Sub Transmission	3.75%	$0.00
SC3A-Transmission	14.31%	$0.00
Streetlighting	0.02%	$0.00
Total	**100.00%**	**$0.00**

Subtransmission/Transmission Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00000
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	$0.00000
		$/kW
SC2D	1,160,568	$0.00
SC3-Secondary	909,835	$0.00
SC3-Primary	376,138	$0.00
SC3-Subtransmission/Transmission	149,958	$0.00
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.00
SC3A-Transmission	1,048,407	$0.00
		$/kWh
Streetlighting	13,834,057	$0.00000

Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

MTC Cost Recovery
Rule 40.3.2.7

Total VDER Value Stack MTC Component Paid to Projects: $67,641.43

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	102.15%	$69,097.13
SC1C	0.00%	$0.00
SC2ND	-2.15%	-$1,455.70
Total	**100.00%**	**$67,641.43**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00007
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	-$0.00003

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Value Stack Cost Recovery Mechanisms
VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

Community Credit Cost Recovery
Rule 40.3.2.7

Total VDER Value Stack Community Credit Component Paid to Projects: $588,010.46

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	42.17%	$247,990.96
SC1C	0.00%	$0.00
SC2ND	4.22%	$24,786.72
SC2D	20.45%	$120,247.54
SC3-Secondary	20.95%	$123,189.22
SC3-Primary	10.29%	$60,506.66
SC3-Subtransmission/Transmission	1.26%	$7,380.72
SC3A-Secondary/Primary	0.01%	$73.60
SC3A-Sub Transmission	0.63%	$3,704.01
SC3A-Transmission	0.00%	$0.00
Streetlighting	0.02%	$131.03
Total	**100.00%**	**$588,010.46**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	1,042,785,161	$0.00024
SC1C	26,392,427	$0.00000
SC2ND	55,913,390	$0.00044
		$/kW
SC2D	1,160,568	$0.10
SC3-Secondary	909,835	$0.14
SC3-Primary	376,138	$0.16
SC3-Subtransmission/Transmission	149,958	$0.05
SC3A-Secondary/Primary	187,636	$0.00
SC3A-Sub Transmission	287,245	$0.01
SC3A-Transmission	1,048,407	$0.00
Streetlighting	13,834,057	$0.00001