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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:	22,217	kW
Total Alternative 1 Capacity Market Value Cost to Recover:	**$ 31,067.19**	

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	40.99%	$12,734.44
SC1C	0.81%	$251.64
SC2ND	2.54%	$789.11
SC2D	14.46%	$4,492.32
SC3-Secondary	13.34%	$4,144.36
SC3-Primary	5.15%	$1,599.96
SC3-Subtransmission/Transmission	1.65%	$512.61
SC3A-Secondary/Primary	2.98%	$925.80
SC3A-Sub Transmission	3.75%	$1,165.02
SC3A-Transmission	14.31%	$4,445.72
Streetlighting	0.02%	$6.21
Total	**100.00%**	**$31,067.19**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	731,241,193	$0.00002
SC1C	18,507,884	$0.00001
SC2ND	44,588,123	$0.00002
		$/kW
SC2D	924,994	$0.00
SC3-Secondary	742,562	$0.01
SC3-Primary	310,103	$0.01
SC3-Subtransmission/Transmission	125,588	$0.00
SC3A-Secondary/Primary	166,318	$0.01
SC3A-Sub Transmission	253,984	$0.00
SC3A-Transmission	943,897	$0.00
		$/kWh
Streetlighting	12,026,266	$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:	16,312	kW
Total Alternative 2 Capacity Market Value Cost to Recover:	**$ 22,809.75**	

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	40.99%	$9,349.72
SC1C	0.81%	$184.76
SC2ND	2.54%	$579.37
SC2D	14.46%	$3,298.29
SC3-Secondary	13.34%	$3,042.82
SC3-Primary	5.15%	$1,174.70
SC3-Subtransmission/Transmission	1.65%	$376.36
SC3A-Secondary/Primary	2.98%	$679.73
SC3A-Sub Transmission	3.75%	$855.37
SC3A-Transmission	14.31%	$3,264.08
Streetlighting	0.02%	$4.56
Total	**100.00%**	**$22,809.75**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	731,241,193	$0.00001
SC1C	18,507,884	$0.00001
SC2ND	44,588,123	$0.00001
		$/kW
SC2D	924,994	$0.00
SC3-Secondary	742,562	$0.00
SC3-Primary	310,103	$0.00
SC3-Subtransmission/Transmission	125,588	$0.00
SC3A-Secondary/Primary	166,318	$0.00
SC3A-Sub Transmission	253,984	$0.00
SC3A-Transmission	943,897	$0.00
		$/kWh
Streetlighting	12,026,266	$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	731,241,193	$0.00000
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	$0.00000
		$/kW
SC2D	924,994	$0.00
SC3-Secondary	742,562	$0.00
SC3-Primary	310,103	$0.00
SC3-Subtransmission/Transmission	125,588	$0.00
SC3A-Secondary/Primary	166,318	$0.00
SC3A-Sub Transmission	253,984	$0.00
SC3A-Transmission	943,897	$0.00
		$/kWh
Streetlighting	12,026,266	$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):	$ 53,952.45
Total VDER Value Stack Capacity Component Paid to Projects:	$ 10,093.67
Total Capacity Out of Market Value Cost to Recover:	**$ (43,858.78)**

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	41.99%	-$18,415.66
SC1C	0.00%	$0.00
SC2ND	17.04%	-$7,474.12
SC2D	13.12%	-$5,755.31
SC3	21.54%	-$9,448.74
SC3A	5.63%	-$2,470.19
Streetlighting	0.67%	-$294.77
Total	**100.00%**	**-$43,858.78**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	731,241,193	-$0.00003
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	-$0.00017
		$/kW
SC2D	924,994	-$0.01
SC3	1,178,252	-$0.01
SC3A	1,364,199	$0.00
		$/kWh
Streetlighting	12,026,266	-$0.00002

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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:	15,710,524	kWh
Total Environmental Market Value Cost to Recover:	**$ 350,816.00**	

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):	$ 350,816.00
Total VDER Value Stack Environmental Component Paid to Projects:	$ 425,645.22
Total Environmental Out of Market Value Cost to Recover:	**$ 74,829.22**

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	40.78%	$30,513.59
SC1C	0.00%	$0.00
SC2ND	13.20%	$9,877.01
SC2D	16.58%	$12,405.84
SC3	24.62%	$18,422.93
SC3A	4.27%	$3,195.38
Streetlighting	0.55%	$414.46
Total	**100.00%**	**$74,829.22**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	731,241,193	$0.00004
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	$0.00022
		$/kW
SC2D	924,994	$0.01
SC3	1,178,252	$0.02
SC3A	1,364,199	$0.00
		$/kWh
Streetlighting	12,026,266	$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: $ 12,169.08

Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	56.65%	$6,893.78
SC1C	1.18%	$143.60
SC2ND	3.30%	$401.58
SC2D	18.62%	$2,265.88
SC3-Secondary	18.51%	$2,252.50
SC3-Primary	0.00%	$0.00
SC3-Subtransmission/Transmission	0.00%	$0.00
SC3A-Secondary/Primary	0.74%	$90.05
SC3A-Sub Transmission	0.00%	$0.00
SC3A-Transmission	0.00%	$0.00
Streetlighting	1.00%	$121.69
Total	**100.00%**	**$12,169.08**

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	731,241,193	$0.00001
SC1C	18,507,884	$0.00001
SC2ND	44,588,123	$0.00001
		$/kW
SC2D	924,994	$0.00
SC3-Secondary	742,562	$0.00
SC3-Primary	310,103	$0.00
SC3-Subtransmission/Transmission	125,588	$0.00
SC3A-Secondary/Primary	166,318	$0.00
SC3A-Sub Transmission	253,984	$0.00
SC3A-Transmission	943,897	$0.00
		$/kWh
Streetlighting	12,026,266	$0.00001

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	731,241,193	$0.00000
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	$0.00000
		$/kW
SC2D	924,994	$0.00
SC3-Secondary	742,562	$0.00
SC3-Primary	310,103	$0.00
SC3-Subtransmission/Transmission	125,588	$0.00
SC3A-Secondary/Primary	166,318	$0.00
SC3A-Sub Transmission	253,984	$0.00
SC3A-Transmission	943,897	$0.00
		$/kWh
Streetlighting	12,026,266	$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	731,241,193	$0.00000
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	$0.00000
		$/kW
SC2D	924,994	$0.00
SC3-Secondary	742,562	$0.00
SC3-Primary	310,103	$0.00
SC3-Subtransmission/Transmission	125,588	$0.00
SC3A-Secondary/Primary	166,318	$0.00
SC3A-Sub Transmission	253,984	$0.00
SC3A-Transmission	943,897	$0.00
		$/kWh
Streetlighting	12,026,266	$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 **Subtransmission/Transmission** Projects: $ -

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	731,241,193	$0.00000
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	$0.00000
		$/kW
SC2D	924,994	$0.00
SC3-Secondary	742,562	$0.00
SC3-Primary	310,103	$0.00
SC3-Subtransmission/Transmission	125,588	$0.00
SC3A-Secondary/Primary	166,318	$0.00
SC3A-Sub Transmission	253,984	$0.00
SC3A-Transmission	943,897	$0.00
		$/kWh
Streetlighting	12,026,266	$0.00000

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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: $ 32,799.11

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	105.12%	$34,478.80
SC1C	0.00%	$0.00
SC2ND	-5.12%	-$1,679.69
Total	**100.00%**	**$32,799.11**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	731,241,193	$0.00005
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	-$0.00004

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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: $ 248,584.03

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	47.08%	$117,037.05
SC1C	0.00%	$0.00
SC2ND	4.12%	$10,253.40
SC2D	19.30%	$47,985.34
SC3-Secondary	16.83%	$41,834.68
SC3-Primary	9.72%	$24,162.22
SC3-Subtransmission/Transmission	1.92%	$4,770.34
SC3A-Secondary/Primary	0.00%	$0.00
SC3A-Sub Transmission	0.99%	$2,471.02
SC3A-Transmission	0.00%	$0.00
Streetlighting	0.03%	$69.98
Total	**100.00%**	**$248,584.03**

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	$/kWh
SC1	731,241,193	$0.00016
SC1C	18,507,884	$0.00000
SC2ND	44,588,123	$0.00023
		$/kW
SC2D	924,994	$0.05
SC3-Secondary	742,562	$0.06
SC3-Primary	310,103	$0.08
SC3-Subtransmission/Transmission	125,588	$0.04
SC3A-Secondary/Primary	166,318	$0.00
SC3A-Sub Transmission	253,984	$0.01
SC3A-Transmission	943,897	$0.00
Streetlighting	12,026,266	$0.00001