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<u>Value Stack Cost Recovery Mechanisms</u> **VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)**

Capacity Market Value Cost Recovery - ALTERNATIVE 1 Rule 40.3.2.1

Total Alternative 1 Capacity Market Value Cost to Recover:	\$409,955.37
Total of Alternative 1 VDER Projects' Net Injections at hour of NYISO Peak:	130,179 kW
Average Monthly NYISO Spot Auction Capacity Price:	\$3.15 /kW

Cost Allocation

Coming Class (mith Walters Delicement and)	1CP Allocator	
Service Class (with Voltage Delivery Level)		
SC1	42.70%	\$175,050.94
SC1C	0.84%	\$3,443.63
SC2ND	2.60%	\$10,658.84
SC2D	13.77%	\$56,450.85
SC3-Secondary	12.44%	\$50,998.45
SC3-Primary	5.03%	\$20,620.75
SC3-Subtransmission/Transmission	1.79%	\$7,338.20
SC3A-Secondary/Primary	2.46%	\$10,084.90
SC3A-Sub Transmission	3.83%	\$15,701.29
SC3A-Transmission	14.53%	\$59,566.51
Streetlighting	0.01%	\$41.00
Total	100.00%	\$409,955.37

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	\$0.00015
SC1C	28,542,055	\$0.00012
SC2ND	62,776,019	\$0.00017
		<u>\$/kW</u>
SC2D	1,194,562	\$0.05
SC3-Secondary	923,725	\$0.06
SC3-Primary	380,808	\$0.05
SC3-Subtransmission/Transmission	151,922	\$0.05
SC3A-Secondary/Primary	189,554	\$0.05
SC3A-Sub Transmission	293,673	\$0.05
SC3A-Transmission	1,056,636	\$0.06
		<u>\$/kWh</u>
Streetlighting	14,997,884	\$0.00000

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<u>Value Stack Cost Recovery Mechanisms</u> VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

<u>Capacity Market Value Cost Recovery - ALTERNATIVE 2</u> Rule 40.3.2.1

	Average Monthly NYISO	Spot Auction	Capacity Price:	\$	3.15	/kW
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Total of Alternative 2 VDER Projects' Net Injections at hour of NYISO Peak: 79,577 kW

Total Alternative 2 Capacity Market Value Cost to Recover: \$ 250,600.92

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$107,006.59
SC1C	0.84%	\$2,105.05
SC2ND	2.60%	\$6,515.62
SC2D	13.77%	\$34,507.75
SC3-Secondary	12.44%	\$31,174.75
SC3-Primary	5.03%	\$12,605.23
SC3-Subtransmission/Transmission	1.79%	\$4,485.76
SC3A-Secondary/Primary	2.46%	\$6,164.78
SC3A-Sub Transmission	3.83%	\$9,598.02
SC3A-Transmission	14.53%	\$36,412.31
Streetlighting	0.01%	\$25.06
Total	100.00%	\$250,600.92

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	\$0.00009
SC1C	28,542,055	\$0.00007
SC2ND	62,776,019	\$0.00010
		<u>\$/kW</u>
SC2D	1,194,562	\$0.03
SC3-Secondary	923,725	\$0.03
SC3-Primary	380,808	\$0.03
SC3-Subtransmission/Transmission	151,922	\$0.03
SC3A-Secondary/Primary	189,554	\$0.03
SC3A-Sub Transmission	293,673	\$0.03
SC3A-Transmission	1,056,636	\$0.03
		<u>\$/kWh</u>
Streetlighting	14,997,884	\$0.00000

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<u>Value Stack Cost Recovery Mechanisms</u> VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)

<u>Capacity Market Value Cost Recovery - ALTERNATIVE 3</u> Rule 40.3.2.1

Average Monthly NYISO Spot Auction Capacity Price: \$	3.15 /kW
Total of Alternative 3 VDER Projects' Net Injections at hour of NYISO Peak:	87 kW
Total Alternative 3 Capacity Market Value Cost to Recover: \$	273.98

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$116.99
SC1C	0.84%	\$2.30
SC2ND	2.60%	\$7.12
SC2D	13.77%	\$37.73
SC3-Secondary	12.44%	\$34.08
SC3-Primary	5.03%	\$13.78
SC3-Subtransmission/Transmission	1.79%	\$4.90
SC3A-Secondary/Primary	2.46%	\$6.74
SC3A-Sub Transmission	3.83%	\$10.49
SC3A-Transmission	14.53%	\$39.81
Streetlighting	0.01%	\$0.03
Total	100.00%	\$273.98

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	\$0.00000
SC1C	28,542,055	\$0.00000
SC2ND	62,776,019	\$0.00000
		<u>\$/kW</u>
SC2D	1,194,562	\$0.00
SC3-Secondary	923,725	\$0.00
SC3-Primary	380,808	\$0.00
SC3-Subtransmission/Transmission	151,922	\$0.00
SC3A-Secondary/Primary	189,554	\$0.00
SC3A-Sub Transmission	293,673	\$0.00
SC3A-Transmission	1,056,636	\$0.00
		<u>\$/kWh</u>
Streetlighting	14,997,884	\$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): \$660,830.27

Total VDER Value Stack Capacity Component Paid to Projects: \$227,688.26

Total Capacity Out of Market Value Cost to Recover: -\$433,142.01

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	84.65%	-\$366,635.17
SC1C	0.00%	\$0.00
SC2ND	-49.05%	\$212,475.09
SC2D	2.53%	-\$10,939.05
SC3	52.85%	-\$228,904.68
SC3A	5.89%	-\$25,520.99
Streetlighting	3.14%	-\$13,617.21
Total	100.00%	-\$433,142.00

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	-\$0.00031
SC1C	28,542,055	\$0.00000
SC2ND	62,776,019	\$0.00338
		<u>\$/kW</u>
SC2D	1,194,562	-\$0.01
SC3	1,456,455	-\$0.16
SC3A	1,539,863	-\$0.02
		<u>\$/kWh</u>
Streetlighting	14,997,884	-\$0.00091

Received: 12/20/2022

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: DECEMBER 29, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 63 PAGE 5 OF 12

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

Environmental Market Value Cost Recovery¹ Rule 40.3.2.3

Total Environmental Market Value Cost to Recover:	\$1,372,784.06	
Total of VDER Projects' Net Injections during recovery month:	62,856,413	kWh
NYSERDA Tier 1 REC rate in effect for the recovery month ² :	\$0.02184	/kWh

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 3 Tier 1 REC Sale Price of \$21.84/MWh.

Received: 12/20/2022

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: DECEMBER 29, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 63 PAGE 6 OF 12

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): \$1,372,784.06

Total VDER Value Stack Environmental Component Paid to Projects: \$817,840.81

Total Environmental Out of Market Value Cost to Recover: -\$554,943.25

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	67.59%	-\$375,078.08
SC1C	0.00%	\$0.00
SC2ND	-19.60%	\$108,777.50
SC2D	-2.31%	\$12,816.45
SC3	45.80%	-\$254,144.60
SC3A	6.61%	-\$36,679.31
Streetlighting	1.92%	-\$10,635.21
Total	100.00%	-\$554,943,25

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	-\$0.00032
SC1C	28,542,055	\$0.00000
SC2ND	62,776,019	\$0.00173
		<u>\$/kW</u>
SC2D	1,194,562	\$0.01
SC3	1,456,455	-\$0.17
SC3A	1,539,863	-\$0.02
		<u>\$/kWh</u>
Streetlighting	14,997,884	-\$0.00071

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<u>Value Stack Cost Recovery Mechanisms</u> 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: (\$195,356.24)

Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	-\$105,355.62
SC1C	1.11%	-\$2,168.45
SC2ND	3.11%	-\$6,075.58
SC2D	16.32%	-\$31,882.14
SC3-Secondary	15.50%	-\$30,280.22
SC3-Primary	6.21%	-\$12,131.62
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	3.05%	-\$5,958.37
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	0.77%	-\$1,504.24
Total	100.00%	-\$195,356,24

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	-\$0.00009
SC1C	28,542,055	-\$0.00008
SC2ND	62,776,019	-\$0.00010
		<u>\$/kW</u>
SC2D	1,194,562	-\$0.03
SC3-Secondary	923,725	-\$0.03
SC3-Primary	380,808	-\$0.03
SC3-Subtransmission/Transmission	151,922	\$0.00
SC3A-Secondary/Primary	189,554	-\$0.03
SC3A-Sub Transmission	293,673	\$0.00
SC3A-Transmission	1,056,636	\$0.00
		<u>\$/kWh</u>
Streetlighting	14,997,884	-\$0.00010

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<u>Value Stack Cost Recovery Mechanisms</u> **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: (\$66,852.83)

Subtransmission/Transmission Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	-\$28,546.16
SC1C	0.84%	-\$561.56
SC2ND	2.60%	-\$1,738.17
SC2D	13.77%	-\$9,205.64
SC3-Secondary	12.44%	-\$8,316.49
SC3-Primary	5.03%	-\$3,362.70
SC3-Subtransmission/Transmission	1.79%	-\$1,196.67
SC3A-Secondary/Primary	2.46%	-\$1,644.58
SC3A-Sub Transmission	3.83%	-\$2,560.46
SC3A-Transmission	14.53%	-\$9,713.72
Streetlighting	0.01%	-\$6.69
Total	100.00%	-\$66,852.83

Subtransmission/Transmission Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	-\$0.00002
SC1C	28,542,055	-\$0.00002
SC2ND	62,776,019	-\$0.00003
		<u>\$/kW</u>
SC2D	1,194,562	-\$0.01
SC3-Secondary	923,725	-\$0.01
SC3-Primary	380,808	-\$0.01
SC3-Subtransmission/Transmission	151,922	-\$0.01
SC3A-Secondary/Primary	189,554	-\$0.01
SC3A-Sub Transmission	293,673	-\$0.01
SC3A-Transmission	1,056,636	-\$0.01
		<u>\$/kWh</u>
Streetlighting	14,997,884	\$0.00000

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\$461.20

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

LSRV Cost Recovery Rule 40.3.2.6

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	\$248.73
SC1C	1.11%	\$5.12
SC2ND	3.11%	\$14.34
SC2D	16.32%	\$75.27

Total VDER Value Stack LSRV Component Paid to Secondary/Primary Projects:

SC3-Secondary 15.50% \$71.49 SC3-Primary 6.21% \$28.64 SC3-Subtransmission/Transmission \$0.00 0.00%SC3A-Secondary/Primary 3.05% \$14.07 SC3A-Sub Transmission 0.00%\$0.00 SC3A-Transmission \$0.00 0.00%Streetlighting 0.77% \$3.55 Total 100.00% \$461.20

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	\$0.00000
SC1C	28,542,055	\$0.00000
SC2ND	62,776,019	\$0.00000
		<u>\$/kW</u>
SC2D	1,194,562	\$0.00
SC3-Secondary	923,725	\$0.00
SC3-Primary	380,808	\$0.00
SC3-Subtransmission/Transmission	151,922	\$0.00
SC3A-Secondary/Primary	189,554	\$0.00
SC3A-Sub Transmission	293,673	\$0.00
SC3A-Transmission	1,056,636	\$0.00
		<u>\$/kWh</u>
Streetlighting	14,997,884	\$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

Fotal 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	42.70%	\$0.00
SC1C	0.84%	\$0.00
SC2ND	2.60%	\$0.00
SC2D	13.77%	\$0.00
SC3-Secondary	12.44%	\$0.00
SC3-Primary	5.03%	\$0.00
SC3-Subtransmission/Transmission	1.79%	\$0.00
SC3A-Secondary/Primary	2.46%	\$0.00
SC3A-Sub Transmission	3.83%	\$0.00
SC3A-Transmission	14.53%	\$0.00
Streetlighting	0.01%	\$0.00
Total	100.00%	\$0.00

Subtransmission/Transmission Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	\$0.00000
SC1C	28,542,055	\$0.00000
SC2ND	62,776,019	\$0.00000
		<u>\$/kW</u>
SC2D	1,194,562	\$0.00
SC3-Secondary	923,725	\$0.00
SC3-Primary	380,808	\$0.00
SC3-Subtransmission/Transmission	151,922	\$0.00
SC3A-Secondary/Primary	189,554	\$0.00
SC3A-Sub Transmission	293,673	\$0.00
SC3A-Transmission	1,056,636	\$0.00
		<u>\$/kWh</u>
Streetlighting	14,997,884	\$0.00000

Received: 12/20/2022

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: DECEMBER 29, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 63 PAGE 11 OF 12

<u>Value Stack Cost Recovery Mechanisms</u> **VALUE OF DISTRIBUTED ENERGY RESOURCES (VDER)**

MTC Cost Recovery Rule 40.3.2.7

Total VDER Value Stack MTC Component Paid to Projects:	\$49,823.45

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	91.40%	\$45,540.69
SC1C	0.00%	\$0.00
SC2ND	8.60%	\$4,282.76
Total	100.00%	\$49,823,45

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	\$0.00004
SC1C	28,542,055	\$0.00000
SC2ND	62,776,019	\$0.00007

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<u>Value Stack Cost Recovery Mechanisms</u> **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: \$375,831.73

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	86.58%	\$325,386.68
SC1C	0.00%	\$0.00
SC2ND	-42.70%	-\$160,470.24
SC2D	-11.50%	-\$43,227.87
SC3-Secondary	42.67%	\$160,366.50
SC3-Primary	17.96%	\$67,516.16
SC3-Subtransmission/Transmission	2.22%	\$8,360.54
SC3A-Secondary/Primary	0.00%	\$0.00
SC3A-Sub Transmission	1.14%	\$4,271.56
SC3A-Transmission	1.91%	\$7,173.60
Streetlighting	1.72%	\$6,454.80
Total	100.00%	\$375,831,73

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,167,734,802	\$0.00028
SC1C	28,542,055	\$0.00000
SC2ND	62,776,019	-\$0.00256
		<u>\$/kW</u>
SC2D	1,194,562	-\$0.04
SC3-Secondary	923,725	\$0.17
SC3-Primary	380,808	\$0.18
SC3-Subtransmission/Transmission	151,922	\$0.06
SC3A-Secondary/Primary	189,554	\$0.00
SC3A-Sub Transmission	293,673	\$0.01
SC3A-Transmission	1,056,636	\$0.01
Streetlighting	14,997,884	\$0.00043