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

<u>Capacity Market Value Cost Recovery - ALTERNATIVE 1</u> Rule 40.3.2.1

Average Monthly NYISO Spot Auction Capacity Price:	\$3.15	/kW
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Total of Alternative 1 VDER Projects' Net Injections at hour of NYISO Peak: 132,689 kW

Total Alternative 1 Capacity Market Value Cost to Recover: \$417,860.41

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$178,426.39
SC1C	0.84%	\$3,510.03
SC2ND	2.60%	\$10,864.37
SC2D	13.77%	\$57,539.38
SC3-Secondary	12.44%	\$51,981.83
SC3-Primary	5.03%	\$21,018.38
SC3-Subtransmission/Transmission	1.79%	\$7,479.70
SC3A-Secondary/Primary	2.46%	\$10,279.37
SC3A-Sub Transmission	3.83%	\$16,004.05
SC3A-Transmission	14.53%	\$60,715.12
Streetlighting	0.01%	\$41.79
Total	100.00%	\$417,860,41

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00017
SC1C	24,941,561	\$0.00014
SC2ND	61,474,089	\$0.00018
		<u>\$/kW</u>
SC2D	1,164,616	\$0.05
SC3-Secondary	904,824	\$0.06
SC3-Primary	373,770	\$0.06
SC3-Subtransmission/Transmission	149,594	\$0.05
SC3A-Secondary/Primary	188,776	\$0.05
SC3A-Sub Transmission	292,351	\$0.05
SC3A-Transmission	1,056,659	\$0.06
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00000

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Value Stack Cost Recovery Mechanisms 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:	- S	3.15	/kW
	4	0.10	,

Total of Alternative 2 VDER Projects' Net Injections at hour of NYISO Peak: 78,022 kW

Total Alternative 2 Capacity Market Value Cost to Recover: \$ 245,704.91

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$104,916.00
SC1C	0.84%	\$2,063.92
SC2ND	2.60%	\$6,388.33
SC2D	13.77%	\$33,833.57
SC3-Secondary	12.44%	\$30,565.69
SC3-Primary	5.03%	\$12,358.96
SC3-Subtransmission/Transmission	1.79%	\$4,398.12
SC3A-Secondary/Primary	2.46%	\$6,044.34
SC3A-Sub Transmission	3.83%	\$9,410.50
SC3A-Transmission	14.53%	\$35,700.92
Streetlighting	0.01%	\$24.57
Total	100.00%	\$245,704.91

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00010
SC1C	24,941,561	\$0.00008
SC2ND	61,474,089	\$0.00010
		<u>\$/kW</u>
SC2D	1,164,616	\$0.03
SC3-Secondary	904,824	\$0.03
SC3-Primary	373,770	\$0.03
SC3-Subtransmission/Transmission	149,594	\$0.03
SC3A-Secondary/Primary	188,776	\$0.03
SC3A-Sub Transmission	292,351	\$0.03
SC3A-Transmission	1,056,659	\$0.03
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00000

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 PAGE 3 OF 12

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

Capacity Market Value Cost Recovery - ALTERNATIVE 3 Rule 40.3.2.1

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

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	1,020,428,593	\$0.00000
SC1C	24,941,561	\$0.00000
SC2ND	61,474,089	\$0.00000
		<u>\$/kW</u>
SC2D	1,164,616	\$0.00
SC3-Secondary	904,824	\$0.00
SC3-Primary	373,770	\$0.00
SC3-Subtransmission/Transmission	149,594	\$0.00
SC3A-Secondary/Primary	188,776	\$0.00
SC3A-Sub Transmission	292,351	\$0.00
SC3A-Transmission	1,056,659	\$0.00
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00000

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: NOVEMBER 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 PAGE 4 OF 12

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): \$663,839.29

Total VDER Value Stack Capacity Component Paid to Projects: \$690,501.86

Total Capacity Out of Market Value Cost to Recover: \$26,662.57

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	43.61%	\$11,627.13
SC1C	0.30%	\$79.16
SC2ND	4.50%	\$1,199.94
SC2D	11.30%	\$3,013.22
SC3	35.29%	\$9,410.36
SC3A	4.01%	\$1,069.00
Streetlighting	0.99%	\$263.75
Total	100.00%	\$26,662.57

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00001
SC1C	24,941,561	\$0.00000
SC2ND	61,474,089	\$0.00002
		<u>\$/kW</u>
SC2D	1,164,616	\$0.00
SC3	1,428,188	\$0.01
SC3A	1,537,786	\$0.00
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00002

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: NOVEMBER 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 PAGE 5 OF 12

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

Environmental Market Value Cost Recovery¹ Rule 40.3.2.3

Total Environmental Market Value Cost to Recover:	\$1,566,042.11	
Total of VDER Projects' Net Injections during recovery month:	71,705,225	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.

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: NOVEMBER 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 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): \$1,566,042.11

Total VDER Value Stack Environmental Component Paid to Projects: \$1,530,571.31

Total Environmental Out of Market Value Cost to Recover: -\$35,470.80

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	43.81%	-\$15,541.05
SC1C	0.01%	-\$1.86
SC2ND	1.72%	-\$609.39
SC2D	13.07%	-\$4,635.96
SC3	37.21%	-\$13,198.14
SC3A	3.25%	-\$1,151.09
Streetlighting	0.94%	-\$333.31
Total	100.00%	-\$35,470.80

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	-\$0.00002
SC1C	24,941,561	\$0.00000
SC2ND	61,474,089	-\$0.00001
		<u>\$/kW</u>
SC2D	1,164,616	\$0.00
SC3	1,428,188	-\$0.01
SC3A	1,537,786	\$0.00
		<u>\$/kWh</u>
Streetlighting	15,375,934	-\$0.00002

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 PAGE 7 OF 12

<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: \$1,431,329.17

Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	\$771,915.82
SC1C	1.11%	\$15,887.75
SC2ND	3.11%	\$44,514.34
SC2D	16.32%	\$233,592.92
SC3-Secondary	15.50%	\$221,856.02
SC3-Primary	6.21%	\$88,885.54
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	3.05%	\$43,655.54
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	0.77%	\$11,021.23
Total	100.00%	\$1,431,329.17

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00076
SC1C	24,941,561	\$0.00064
SC2ND	61,474,089	\$0.00072
		<u>\$/kW</u>
SC2D	1,164,616	\$0.20
SC3-Secondary	904,824	\$0.25
SC3-Primary	373,770	\$0.24
SC3-Subtransmission/Transmission	149,594	\$0.00
SC3A-Secondary/Primary	188,776	\$0.23
SC3A-Sub Transmission	292,351	\$0.00
SC3A-Transmission	1,056,659	\$0.00
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00072

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 PAGE 8 OF 12

<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: \$80,116.13

Subtransmission/Transmission Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$34,209.59
SC1C	0.84%	\$672.98
SC2ND	2.60%	\$2,083.02
SC2D	13.77%	\$11,031.99
SC3-Secondary	12.44%	\$9,966.45
SC3-Primary	5.03%	\$4,029.84
SC3-Subtransmission/Transmission	1.79%	\$1,434.08
SC3A-Secondary/Primary	2.46%	\$1,970.86
SC3A-Sub Transmission	3.83%	\$3,068.45
SC3A-Transmission	14.53%	\$11,640.87
Streetlighting	0.01%	\$8.01
Total	100.00%	\$80,116.13

Subtransmission/Transmission Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00003
SC1C	24,941,561	\$0.00003
SC2ND	61,474,089	\$0.00003
		<u>\$/kW</u>
SC2D	1,164,616	\$0.01
SC3-Secondary	904,824	\$0.01
SC3-Primary	373,770	\$0.01
SC3-Subtransmission/Transmission	149,594	\$0.01
SC3A-Secondary/Primary	188,776	\$0.01
SC3A-Sub Transmission	292,351	\$0.01
SC3A-Transmission	1,056,659	\$0.01
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00000

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<u>Value Stack Cost Recovery Mechanisms</u> **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:	\$20,096.73
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Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	\$10,838.17
SC1C	1.11%	\$223.07
SC2ND	3.11%	\$625.01
SC2D	16.32%	\$3,279.79
SC3-Secondary	15.50%	\$3,114.99
SC3-Primary	6.21%	\$1,248.01
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	3.05%	\$612.95
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	0.77%	\$154.74
Total	100.00%	\$20,096.73

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00001
SC1C	24,941,561	\$0.00001
SC2ND	61,474,089	\$0.00001
		<u>\$/kW</u>
SC2D	1,164,616	\$0.00
SC3-Secondary	904,824	\$0.00
SC3-Primary	373,770	\$0.00
SC3-Subtransmission/Transmission	149,594	\$0.00
SC3A-Secondary/Primary	188,776	\$0.00
SC3A-Sub Transmission	292,351	\$0.00
SC3A-Transmission	1,056,659	\$0.00
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00001

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<u>Value Stack Cost Recovery Mechanisms</u> **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	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	1,020,428,593	\$0.00000
SC1C	24,941,561	\$0.00000
SC2ND	61,474,089	\$0.00000
		<u>\$/kW</u>
SC2D	1,164,616	\$0.00
SC3-Secondary	904,824	\$0.00
SC3-Primary	373,770	\$0.00
SC3-Subtransmission/Transmission	149,594	\$0.00
SC3A-Secondary/Primary	188,776	\$0.00
SC3A-Sub Transmission	292,351	\$0.00
SC3A-Transmission	1,056,659	\$0.00
		<u>\$/kWh</u>
Streetlighting	15,375,934	\$0.00000

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: NOVEMBER 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 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:	\$65,667.08

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	93.17%	\$61,182.14
SC1C	0.00%	\$0.00
SC2ND	6.83%	\$4,484.95
Total	100.00%	\$65,667.08

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00006
SC1C	24,941,561	\$0.00000
SC2ND	61,474,089	\$0.00007

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 62 PAGE 12 OF 12

<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: \$1,061,454.03

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	39.98%	\$424,393.29
SC1C	0.24%	\$2,535.51
SC2ND	2.39%	\$25,340.25
SC2D	19.03%	\$201,956.89
SC3-Secondary	23.82%	\$252,866.62
SC3-Primary	9.92%	\$105,340.11
SC3-Subtransmission/Transmission	1.48%	\$15,687.01
SC3A-Secondary/Primary	0.00%	\$0.00
SC3A-Sub Transmission	0.41%	\$4,301.11
SC3A-Transmission	1.77%	\$18,819.23
Streetlighting	0.96%	\$10,214.00
Total	100.00%	\$1,061,454,03

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,020,428,593	\$0.00042
SC1C	24,941,561	\$0.00010
SC2ND	61,474,089	\$0.00041
		<u>\$/kW</u>
SC2D	1,164,616	\$0.17
SC3-Secondary	904,824	\$0.28
SC3-Primary	373,770	\$0.28
SC3-Subtransmission/Transmission	149,594	\$0.10
SC3A-Secondary/Primary	188,776	\$0.00
SC3A-Sub Transmission	292,351	\$0.01
SC3A-Transmission	1,056,659	\$0.02
Streetlighting	15,375,934	\$0.00066