P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JUNE 29, 2023 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 PAGE 1 OF 12

<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

2022 4 37 41	D CONTRACT			A	/4 ** *
2022 Average Monthly	NVISO	ot Alletion ('s	macity Price.	\$2.56	/ Iz \ \ \ /
2022 Average Monthly	TALIBO DD	$o_i Auchon C_i$	ipacity i licc.	92.30	/ IX V V

Total of Alternative 1 VDER Projects' Net Injections at hour of NYISO Peak: 140,070 kW

Total Alternative 1 Capacity Market Value Cost to Recover: \$358,695.16

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$153,162.83
SC1C	0.84%	\$3,013.04
SC2ND	2.60%	\$9,326.07
SC2D	13.77%	\$49,392.32
SC3-Secondary	12.44%	\$44,621.68
SC3-Primary	5.03%	\$18,042.37
SC3-Subtransmission/Transmission	1.79%	\$6,420.64
SC3A-Secondary/Primary	2.46%	\$8,823.90
SC3A-Sub Transmission	3.83%	\$13,738.02
SC3A-Transmission	14.53%	\$52,118.41
Streetlighting	0.01%	\$35.87
Total	100.00%	\$358,695.16

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00014
SC1C	27,597,020	\$0.00011
SC2ND	64,004,347	\$0.00015
		<u>\$/kW</u>
SC2D	1,225,156	\$0.04
SC3-Secondary	950,923	\$0.05
SC3-Primary	392,650	\$0.05
SC3-Subtransmission/Transmission	157,048	\$0.04
SC3A-Secondary/Primary	197,726	\$0.04
SC3A-Sub Transmission	306,237	\$0.04
SC3A-Transmission	1,105,834	\$0.05
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$0.00000

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JUNE 29, 2023 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 PAGE 2 OF 12

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

Capacity Market Value Cost Recovery - ALTERNATIVE 2 Rule 40.3.2.1

2022 4 37 41	D CONTRACT			A	/4 ** *
2022 Average Monthly	NVISO	ot Alletion ('s	macity Price.	\$2.56	/ Iz \ \ \ /
2022 Average Monthly	TALIBO DD	$o_i Auchon C_i$	ipacity i licc.	92.30	/ IX V V

Total of Alternative 2 VDER Projects' Net Injections at hour of NYISO Peak: 48,376 kW

Total Alternative 2 Capacity Market Value Cost to Recover: \$123,881.85

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$52,897.55
SC1C	0.84%	\$1,040.61
SC2ND	2.60%	\$3,220.93
SC2D	13.77%	\$17,058.53
SC3-Secondary	12.44%	\$15,410.90
SC3-Primary	5.03%	\$6,231.26
SC3-Subtransmission/Transmission	1.79%	\$2,217.49
SC3A-Secondary/Primary	2.46%	\$3,047.49
SC3A-Sub Transmission	3.83%	\$4,744.67
SC3A-Transmission	14.53%	\$18,000.03
Streetlighting	0.01%	\$12.39
Total	100.00%	\$123,881.85

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00005
SC1C	27,597,020	\$0.00004
SC2ND	64,004,347	\$0.00005
		<u>\$/kW</u>
SC2D	1,225,156	\$0.01
SC3-Secondary	950,923	\$0.02
SC3-Primary	392,650	\$0.02
SC3-Subtransmission/Transmission	157,048	\$0.01
SC3A-Secondary/Primary	197,726	\$0.02
SC3A-Sub Transmission	306,237	\$0.02
SC3A-Transmission	1,105,834	\$0.02
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$0.00000

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 PAGE 3 OF 12

<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

Total Alternative 3 Capacity Market Value Cost to Recover:	\$12.80
Total of Alternative 3 VDER Projects' Net Injections at hour of NYISO Peak:	5 kW
2022 Average Monthly NYISO Spot Auction Capacity Price:	\$2.56 /kW

Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$5.47
SC1C	0.84%	\$0.11
SC2ND	2.60%	\$0.33
SC2D	13.77%	\$1.76
SC3-Secondary	12.44%	\$1.59
SC3-Primary	5.03%	\$0.64
SC3-Subtransmission/Transmission	1.79%	\$0.23
SC3A-Secondary/Primary	2.46%	\$0.31
SC3A-Sub Transmission	3.83%	\$0.49
SC3A-Transmission	14.53%	\$1.86
Streetlighting	0.01%	\$0.00
Total	100.00%	\$12.80

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00000
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00000
		<u>\$/kW</u>
SC2D	1,225,156	\$0.00
SC3-Secondary	950,923	\$0.00
SC3-Primary	392,650	\$0.00
SC3-Subtransmission/Transmission	157,048	\$0.00
SC3A-Secondary/Primary	197,726	\$0.00
SC3A-Sub Transmission	306,237	\$0.00
SC3A-Transmission	1,105,834	\$0.00
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$0.00000

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JUNE 29, 2023 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 PAGE 4 OF 12

<u>Value Stack Cost Recovery Mechanisms</u> **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): \$482,589.81

Total VDER Value Stack Capacity Component Paid to Projects: \$560,193.60

Total Capacity Out of Market Value Cost to Recover: \$77,603.79

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	44.98%	\$34,903.41
SC1C	0.00%	\$0.00
SC2ND	3.91%	\$3,031.57
SC2D	20.82%	\$16,159.33
SC3	23.96%	\$18,593.48
SC3A	4.96%	\$3,846.26
Streetlighting	1.38%	\$1,069.75
Total	100.00%	\$77,603.79

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00003
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00005
		<u>\$/kW</u>
SC2D	1,225,156	\$0.01
SC3	1,500,622	\$0.01
SC3A	1,609,797	\$0.00
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$0.00011

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JUNE 29, 2023 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 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:	\$2,153,345.14	
Total of VDER Projects' Net Injections during recovery month:	107,131,599	kWh
NYSERDA Tier 1 REC rate in effect for the recovery month ² :	\$0.02010	/kWł

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 \$20.1/MWh.

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JUNE 29, 2023 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 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): \$2,153,345.14

Total VDER Value Stack Environmental Component Paid to Projects: \$2,624,564.48

Total Environmental Out of Market Value Cost to Recover: \$471,219.34

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	40.43%	\$190,530.71
SC1C	0.00%	\$0.00
SC2ND	3.84%	\$18,071.43
SC2D	22.97%	\$108,244.97
SC3	26.96%	\$127,030.85
SC3A	4.78%	\$22,520.32
Streetlighting	1.02%	\$4,821.07
Total	100.00%	\$471,219.34

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00017
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00028
		<u>\$/kW</u>
SC2D	1,225,156	\$0.09
SC3	1,500,622	\$0.08
SC3A	1,609,797	\$0.01
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$0.00049

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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:	\$7,487.90
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Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	\$4,038.22
SC1C	1.11%	\$83.12
SC2ND	3.11%	\$232.87
SC2D	16.32%	\$1,222.03
SC3-Secondary	15.50%	\$1,160.62
SC3-Primary	6.21%	\$465.00
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	3.05%	\$228.38
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	0.77%	\$57.66
Total	100.00%	\$7,487.90

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00000
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00000
		<u>\$/kW</u>
SC2D	1,225,156	\$0.00
SC3-Secondary	950,923	\$0.00
SC3-Primary	392,650	\$0.00
SC3-Subtransmission/Transmission	157,048	\$0.00
SC3A-Secondary/Primary	197,726	\$0.00
SC3A-Sub Transmission	306,237	\$0.00
SC3A-Transmission	1,105,834	\$0.00
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$0.00001

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 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: \$65.02

Subtransmission/Transmission Cost Allocation

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$27.76
SC1C	0.84%	\$0.55
SC2ND	2.60%	\$1.69
SC2D	13.77%	\$8.95
SC3-Secondary	12.44%	\$8.09
SC3-Primary	5.03%	\$3.27
SC3-Subtransmission/Transmission	1.79%	\$1.16
SC3A-Secondary/Primary	2.46%	\$1.60
SC3A-Sub Transmission	3.83%	\$2.49
SC3A-Transmission	14.53%	\$9.45
Streetlighting	0.01%	\$0.01
Total	100.00%	\$65.02

Subtransmission/Transmission Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00000
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00000
		<u>\$/kW</u>
SC2D	1,225,156	\$0.00
SC3-Secondary	950,923	\$0.00
SC3-Primary	392,650	\$0.00
SC3-Subtransmission/Transmission	157,048	\$0.00
SC3A-Secondary/Primary	197,726	\$0.00
SC3A-Sub Transmission	306,237	\$0.00
SC3A-Transmission	1,105,834	\$0.00
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$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:	\$1,681.00
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Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	\$906.56
SC1C	1.11%	\$18.66
SC2ND	3.11%	\$52.28
SC2D	16.32%	\$274.34
SC3-Secondary	15.50%	\$260.56
SC3-Primary	6.21%	\$104.39
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	3.05%	\$51.27
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	0.77%	\$12.94
Total	100.00%	\$1,681.00

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00000
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00000
		<u>\$/kW</u>
SC2D	1,225,156	\$0.00
SC3-Secondary	950,923	\$0.00
SC3-Primary	392,650	\$0.00
SC3-Subtransmission/Transmission	157,048	\$0.00
SC3A-Secondary/Primary	197,726	\$0.00
SC3A-Sub Transmission	306,237	\$0.00
SC3A-Transmission	1,105,834	\$0.00
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$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: \$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	1,129,070,816	\$0.00000
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00000
		<u>\$/kW</u>
SC2D	1,225,156	\$0.00
SC3-Secondary	950,923	\$0.00
SC3-Primary	392,650	\$0.00
SC3-Subtransmission/Transmission	157,048	\$0.00
SC3A-Secondary/Primary	197,726	\$0.00
SC3A-Sub Transmission	306,237	\$0.00
SC3A-Transmission	1,105,834	\$0.00
		<u>\$/kWh</u>
Streetlighting	9,763,351	\$0.00000

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JUNE 29, 2023 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 69 PAGE 11 OF 12

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: \$54,324.82

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	94.35%	\$51,255.54
SC1C	0.00%	\$0.00
SC2ND	5.65%	\$3,069.28
Total	100.00%	\$54,324,82

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00005
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00005

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

Community Credit Cost Recovery Rule 40.3.2.7

Total VDER Value Stack Community Credit Component Paid to Projects: \$1,382,804.61

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	38.64%	\$534,300.93
SC1C	0.00%	\$0.00
SC2ND	3.34%	\$46,241.17
SC2D	24.06%	\$332,758.57
SC3-Secondary	22.04%	\$304,751.71
SC3-Primary	8.67%	\$119,864.09
SC3-Subtransmission/Transmission	0.32%	\$4,360.69
SC3A-Secondary/Primary	0.36%	\$5,045.00
SC3A-Sub Transmission	0.36%	\$4,995.03
SC3A-Transmission	1.32%	\$18,220.62
Streetlighting	0.89%	\$12,266.80
Total	100.00%	\$1,382,804.61

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,129,070,816	\$0.00047
SC1C	27,597,020	\$0.00000
SC2ND	64,004,347	\$0.00072
		<u>\$/kW</u>
SC2D	1,225,156	\$0.27
SC3-Secondary	950,923	\$0.32
SC3-Primary	392,650	\$0.31
SC3-Subtransmission/Transmission	157,048	\$0.03
SC3A-Secondary/Primary	197,726	\$0.03
SC3A-Sub Transmission	306,237	\$0.02
SC3A-Transmission	1,105,834	\$0.02
Streetlighting	9,763,351	\$0.00126