STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 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 37 411	ATTITION O			<b>\$2.7</b> 6	/4 ***
2022 Average Monthly	INYISO S	pot Auction Ca	ipacity Price:	\$2.56	/kW

Total of Alternative 1 VDER Projects' Net Injections at hour of NYISO Peak: 147,099 kW

Total Alternative 1 Capacity Market Value Cost to Recover: \$376,696.53

#### **Cost Allocation**

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$160,849.42
SC1C	0.84%	\$3,164.25
SC2ND	2.60%	\$9,794.11
SC2D	13.77%	\$51,871.11
SC3-Secondary	12.44%	\$46,861.05
SC3-Primary	5.03%	\$18,947.84
SC3-Subtransmission/Transmission	1.79%	\$6,742.87
SC3A-Secondary/Primary	2.46%	\$9,266.73
SC3A-Sub Transmission	3.83%	\$14,427.48
SC3A-Transmission	14.53%	\$54,734.01
Streetlighting	0.01%	\$37.67
Total	100.00%	\$376,696.53

#### **Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00015
SC1C	25,690,108	\$0.00012
SC2ND	59,908,957	\$0.00016
		<u>\$/kW</u>
SC2D	1,128,942	\$0.05
SC3-Secondary	881,760	\$0.05
SC3-Primary	364,727	\$0.05
SC3-Subtransmission/Transmission	146,949	\$0.05
SC3A-Secondary/Primary	175,989	\$0.05
SC3A-Sub Transmission	269,242	\$0.05
SC3A-Transmission	1,016,071	\$0.05
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00000

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 PAGE 2 OF 12

### 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

2022 Average Monthly NYISO Spot Auction Capacity Price: \$2.56 /kW

Total of Alternative 2 VDER Projects' Net Injections at hour of NYISO Peak: 55,634 kW

Total Alternative 2 Capacity Market Value Cost to Recover: \$142,470.43

#### **Cost Allocation**

Service Class (with Voltage Delivery Level)	1CP Allocator	
SC1	42.70%	\$60,834.87
SC1C	0.84%	\$1,196.75
SC2ND	2.60%	\$3,704.23
SC2D	13.77%	\$19,618.18
SC3-Secondary	12.44%	\$17,723.32
SC3-Primary	5.03%	\$7,166.26
SC3-Subtransmission/Transmission	1.79%	\$2,550.22
SC3A-Secondary/Primary	2.46%	\$3,504.77
SC3A-Sub Transmission	3.83%	\$5,456.62
SC3A-Transmission	14.53%	\$20,700.95
Streetlighting	0.01%	\$14.25
Total	100.00%	\$142,470.43

#### **Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00006
SC1C	25,690,108	\$0.00005
SC2ND	59,908,957	\$0.00006
		<u>\$/kW</u>
SC2D	1,128,942	\$0.02
SC3-Secondary	881,760	\$0.02
SC3-Primary	364,727	\$0.02
SC3-Subtransmission/Transmission	146,949	\$0.02
SC3A-Secondary/Primary	175,989	\$0.02
SC3A-Sub Transmission	269,242	\$0.02
SC3A-Transmission	1,016,071	\$0.02
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00000

SC3-Primary

Streetlighting

SC3-Subtransmission/Transmission

SC3A-Secondary/Primary

SC3A-Sub Transmission

SC3A-Transmission

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JANUARY 30, 2024 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 PAGE 3 OF 12

364,727

146,949

175,989

269,242

1,016,071

12,460,688

\$0.00

\$0.00

\$0.00

\$0.00

\$0.00 **\$/kWh** 

\$0.00000

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

### Capacity Market Value Cost Recovery - ALTERNATIVE 3 Rule 40.3.2.1

2022 Average Monthly NYISO Spot Auction Capacity Price:		\$2.56 /kW
Total of Alternative 3 VDER Projects' Net Injections at hour of NYISO Peak:		- kW
<b>Total Alternative 3 Capacity Market Val</b>	ue Cost to Recover:	\$0.00
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
Rate Design by Foreca	ast .	
Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00000
SC1C	25,690,108	\$0.00000
SC2ND	59,908,957	\$0.00000
		<b>\$/kW</b>
SC2D	1,128,942	\$0.00
SC3-Secondary	881,760	\$0.00

Received: 01/24/2024

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JANUARY 30, 2024 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 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): \$519,166.96

Total VDER Value Stack Capacity Component Paid to Projects: \$1,556,674.59

Total Capacity Out of Market Value Cost to Recover: \$1,037,507.63

#### **Cost Allocation**

Service Class (with Voltage Delivery Level)	Allocator	
SC1	36.59%	\$379,640.10
SC1C	5.85%	\$60,729.47
SC2ND	3.59%	\$37,227.96
SC2D	21.58%	\$223,879.85
SC3	28.86%	\$299,382.74
SC3A	2.35%	\$24,390.98
Streetlighting	1.18%	\$12,256.53
Total	100.00%	\$1,037,507,63

#### **Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00036
SC1C	25,690,108	\$0.00236
SC2ND	59,908,957	\$0.00062
		<u>\$/kW</u>
SC2D	1,128,942	\$0.20
SC3	1,393,436	\$0.21
SC3A	1,461,301	\$0.02
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00098

Received: 01/24/2024

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JANUARY 30, 2024 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 PAGE 5 OF 12

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

# Environmental Market Value Cost Recovery<sup>1</sup> Rule 40.3.2.3

Total Environmental Market Value Cost to Recover:	\$1,519,288.60
Total of VDER Projects' Net Injections during recovery month:	43,395,847 kWh
NYSERDA Tier 1 REC rate in effect for the recovery month <sup>2</sup> :	\$0.03501 /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 2023 Quarter 4 Tier 1 REC Sale Price of \$35.01/MWh.

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 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): \$1,519,288.60

Total VDER Value Stack Environmental Component Paid to Projects: \$2,671,521.91

Total Environmental Out of Market Value Cost to Recover: \$1,152,233.31

#### **Cost Allocation**

Service Class (with Voltage Delivery Level)	Allocator	
SC1	33.35%	\$384,215.86
SC1C	5.75%	\$66,209.90
SC2ND	3.37%	\$38,871.99
SC2D	23.72%	\$273,342.08
SC3	29.78%	\$343,092.14
SC3A	3.13%	\$36,009.07
Streetlighting	0.91%	\$10,492.26
Total	100.00%	\$1,152,233,31

#### **Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00036
SC1C	25,690,108	\$0.00258
SC2ND	59,908,957	\$0.00065
		<u>\$/kW</u>
SC2D	1,128,942	\$0.24
SC3	1,393,436	\$0.25
SC3A	1,461,301	\$0.02
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00084

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 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** Customers: \$30,711.74

#### **Secondary/Primary Cost Allocation**

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	\$16,562.84
SC1C	1.11%	\$340.90
SC2ND	3.11%	\$955.14
SC2D	16.32%	\$5,012.16
SC3-Secondary	15.50%	\$4,760.32
SC3-Primary	6.21%	\$1,907.20
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	3.05%	\$936.71
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	0.77%	\$236.48
Total	100.00%	\$30,711,74

#### **Secondary/Primary Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00002
SC1C	25,690,108	\$0.00001
SC2ND	59,908,957	\$0.00002
		<u>\$/kW</u>
SC2D	1,128,942	\$0.00
SC3-Secondary	881,760	\$0.01
SC3-Primary	364,727	\$0.01
SC3-Subtransmission/Transmission	146,949	\$0.00
SC3A-Secondary/Primary	175,989	\$0.01
SC3A-Sub Transmission	269,242	\$0.00
SC3A-Transmission	1,016,071	\$0.00
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00002

SC3A-Sub Transmission

SC3A-Transmission

Streetlighting

Total

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 PAGE 8 OF 12

\$2.49

\$9.45

\$0.01

\$65.02

3.83%

14.53%

0.01%

100.00%

# <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 Subtransmissio	n/Transmission Customers:	\$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

#### **Subtransmission/Transmission Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	\$/kWh
SC1	1,066,486,578	\$0.00000
SC1C	25,690,108	\$0.00000
SC2ND	59,908,957	\$0.00000
		<u>\$/kW</u>
SC2D	1,128,942	\$0.00
SC3-Secondary	881,760	\$0.00
SC3-Primary	364,727	\$0.00
SC3-Subtransmission/Transmission	146,949	\$0.00
SC3A-Secondary/Primary	175,989	\$0.00
SC3A-Sub Transmission	269,242	\$0.00
SC3A-Transmission	1,016,071	\$0.00
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00000

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 PAGE 9 OF 12

# 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 <b>Secondary/Primary</b> Customers:	\$2,511.35
---	------------

### **Secondary/Primary Cost Allocation**

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	53.93%	\$1,354.37
SC1C	1.11%	\$27.88
SC2ND	3.11%	\$78.10
SC2D	16.32%	\$409.85
SC3-Secondary	15.50%	\$389.26
SC3-Primary	6.21%	\$155.95
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	3.05%	\$76.60
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	0.77%	\$19.34
Total	100.00%	\$2,511.35

#### **Secondary/Primary Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00000
SC1C	25,690,108	\$0.00000
SC2ND	59,908,957	\$0.00000
		<u>\$/kW</u>
SC2D	1,128,942	\$0.00
SC3-Secondary	881,760	\$0.00
SC3-Primary	364,727	\$0.00
SC3-Subtransmission/Transmission	146,949	\$0.00
SC3A-Secondary/Primary	175,989	\$0.00
SC3A-Sub Transmission	269,242	\$0.00
SC3A-Transmission	1,016,071	\$0.00
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00000

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 PAGE 10 OF 12

### 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 Customers	: \$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	1,066,486,578	\$0.00000
SC1C	25,690,108	\$0.00000
SC2ND	59,908,957	\$0.00000
		<u>\$/kW</u>
SC2D	1,128,942	\$0.00
SC3-Secondary	881,760	\$0.00
SC3-Primary	364,727	\$0.00
SC3-Subtransmission/Transmission	146,949	\$0.00
SC3A-Secondary/Primary	175,989	\$0.00
SC3A-Sub Transmission	269,242	\$0.00
SC3A-Transmission	1,016,071	\$0.00
		<u>\$/kWh</u>
Streetlighting	12,460,688	\$0.00000

Received: 01/24/2024

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JANUARY 30, 2024 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 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 Customers:	\$48,333.16

#### **Cost Allocation**

Service Class (with Voltage Delivery Level)	Allocator	
SC1	70.79%	\$34,216.21
SC1C	23.23%	\$11,229.33
SC2ND	5.97%	\$2,887.62
Total	100.00%	\$48,333,16

#### **Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00003
SC1C	25,690,108	\$0.00044
SC2ND	59,908,957	\$0.00005

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 76 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 Customers: \$1,153,099.13

#### **Cost Allocation**

Service Class (with Voltage Delivery Level)	Allocator	
SC1	20.08%	\$231,527.99
SC1C	7.47%	\$86,135.39
SC2ND	3.72%	\$42,911.47
SC2D	29.38%	\$338,814.29
SC3-Secondary	25.10%	\$289,414.84
SC3-Primary	9.97%	\$114,980.49
SC3-Subtransmission/Transmission	1.21%	\$13,976.37
SC3A-Secondary/Primary	0.36%	\$4,199.33
SC3A-Sub Transmission	0.12%	\$1,341.75
SC3A-Transmission	1.59%	\$18,363.64
Streetlighting	0.99%	\$11,433.57
Total	100.00%	\$1.153.099.13

#### **Rate Design by Forecast**

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	1,066,486,578	\$0.00022
SC1C	25,690,108	\$0.00335
SC2ND	59,908,957	\$0.00072
		<u>\$/kW</u>
SC2D	1,128,942	\$0.30
SC3-Secondary	881,760	\$0.33
SC3-Primary	364,727	\$0.32
SC3-Subtransmission/Transmission	146,949	\$0.10
SC3A-Secondary/Primary	175,989	\$0.02
SC3A-Sub Transmission	269,242	\$0.00
SC3A-Transmission	1,016,071	\$0.02
Streetlighting	12,460,688	\$0.00092