

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 PAGE 1 OF 12

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: 19,211 kW

Total Alternative 1 Capacity Market Value Cost to Recover: **\$26,862.68**

Cost Allocation

Service Class (with Voltage Delivery Level)	ICP Allocator	
SC1	40.99%	\$11,011.01
SC1C	0.81%	\$217.59
SC2ND	2.54%	\$682.31
SC2D	14.46%	\$3,884.34
SC3-Secondary	13.34%	\$3,583.48
SC3-Primary	5.15%	\$1,383.43
SC3-Subtransmission/Transmission	1.65%	\$443.23
SC3A-Secondary/Primary	2.98%	\$800.51
SC3A-Sub Transmission	3.75%	\$1,007.35
SC3A-Transmission	14.31%	\$3,844.05
Streetlighting	0.02%	\$5.37
Total	100.00%	\$26,862.68

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	\$/kWh
SC1	817,747,257	\$0.00001
SC1C	19,959,575	\$0.00001
SC2ND	52,179,570	\$0.00001
		<u>\$/kW</u>
SC2D	1,028,363	\$0.00
SC3-Secondary	841,627	\$0.00
SC3-Primary	340,534	\$0.00
SC3-Subtransmission/Transmission	137,789	\$0.00
SC3A-Secondary/Primary	178,248	\$0.00
SC3A-Sub Transmission	273,132	\$0.00
SC3A-Transmission	1,023,016	\$0.00
		<u>\$/kWh</u>
Streetlighting	11,048,777	\$0.00000

Issued by: Rudolph L. Wynter, President, Syracuse, New York

Dated: October 22, 2021

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 PAGE 2 OF 12

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: 14,577 kW

Total Alternative 2 Capacity Market Value Cost to Recover: \$ 20,383.37

Cost Allocation

Service Class (with Voltage Delivery Level)	ICP Allocator	
SC1	40.99%	\$8,355.14
SC1C	0.81%	\$165.11
SC2ND	2.54%	\$517.74
SC2D	14.46%	\$2,947.43
SC3-Secondary	13.34%	\$2,719.14
SC3-Primary	5.15%	\$1,049.74
SC3-Subtransmission/Transmission	1.65%	\$336.33
SC3A-Secondary/Primary	2.98%	\$607.42
SC3A-Sub Transmission	3.75%	\$764.38
SC3A-Transmission	14.31%	\$2,916.86
Streetlighting	0.02%	\$4.08
Total	100.00%	\$20,383.37

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	\$/kWh
SC1	817,747,257	\$0.00001
SC1C	19,959,575	\$0.00001
SC2ND	52,179,570	\$0.00001
		\$/kW
SC2D	1,028,363	\$0.00
SC3-Secondary	841,627	\$0.00
SC3-Primary	340,534	\$0.00
SC3-Subtransmission/Transmission	137,789	\$0.00
SC3A-Secondary/Primary	178,248	\$0.00
SC3A-Sub Transmission	273,132	\$0.00
SC3A-Transmission	1,023,016	\$0.00
		\$/kWh
Streetlighting	11,048,777	\$0.00000

Issued by: Rudolph L. Wynter, President, Syracuse, New York

Dated: October 22, 2021

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 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

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	817,747,257	\$0.00000
SC1C	19,959,575	\$0.00000
SC2ND	52,179,570	\$0.00000
		<u>\$/kW</u>
SC2D	1,028,363	\$0.00
SC3-Secondary	841,627	\$0.00
SC3-Primary	340,534	\$0.00
SC3-Subtransmission/Transmission	137,789	\$0.00
SC3A-Secondary/Primary	178,248	\$0.00
SC3A-Sub Transmission	273,132	\$0.00
SC3A-Transmission	1,023,016	\$0.00
		<u>\$/kWh</u>
Streetlighting	11,048,777	\$0.00000

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 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): \$47,321.56

Total VDER Value Stack Capacity Component Paid to Projects: \$713,803.50

Total Capacity Out of Market Value Cost to Recover: **\$666,481.94**

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	41.14%	\$274,168.92
SC1C	0.05%	\$323.91
SC2ND	9.17%	\$61,143.60
SC2D	18.32%	\$122,088.65
SC3	28.98%	\$193,155.10
SC3A	0.90%	\$5,990.27
Streetlighting	1.44%	\$9,611.50
Total	100.00%	\$666,481.94

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	817,747,257	\$0.00034
SC1C	19,959,575	\$0.00002
SC2ND	52,179,570	\$0.00117
		<u>\$/kW</u>
SC2D	1,028,363	\$0.12
SC3	1,319,950	\$0.15
SC3A	1,474,395	\$0.00
		<u>\$/kWh</u>
Streetlighting	11,048,777	\$0.00087

P.S.C. 220 ELECTRICITY
NIAGARA MOHAWK POWER CORPORATION
INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
WORKPAPERS FOR STATEMENT NO. 49
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

NYSERDA Tier 1 REC rate in effect for the recovery month²: \$0.02201 /kWh

Total of VDER Projects' Net Injections during recovery month: 37,115,590 kWh

Total Environmental Market Value Cost to Recover: **\$816,914.14**

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 2 Tier 1 REC Sale Price of \$22.56/MWh.

Issued by: Rudolph L. Wynter, President, Syracuse, New York
Dated: October 22, 2021

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 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): \$816,914.14

Total VDER Value Stack Environmental Component Paid to Projects: \$956,468.96

Total Environmental Out of Market Value Cost to Recover: **\$139,554.82**

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	41.03%	\$57,260.77
SC1C	0.06%	\$82.26
SC2ND	9.74%	\$13,595.67
SC2D	17.47%	\$24,385.99
SC3	29.21%	\$40,759.96
SC3A	0.69%	\$968.22
Streetlighting	1.79%	\$2,501.95
Total	100.00%	\$139,554.82

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	817,747,257	\$0.00007
SC1C	19,959,575	\$0.00000
SC2ND	52,179,570	\$0.00026
		<u>\$/kW</u>
SC2D	1,028,363	\$0.02
SC3	1,319,950	\$0.03
SC3A	1,474,395	\$0.00
		<u>\$/kWh</u>
Streetlighting	11,048,777	\$0.00023

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 PAGE 7 OF 12

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: \$2,077,759.87

Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	56.65%	\$1,177,050.97
SC1C	1.18%	\$24,517.57
SC2ND	3.30%	\$68,566.08
SC2D	18.62%	\$386,878.89
SC3-Secondary	18.51%	\$384,593.35
SC3-Primary	0.00%	\$0.00
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	0.74%	\$15,375.42
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	1.00%	\$20,777.60
Total	100.00%	\$2,077,759.87

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	<u>\$/kWh</u>
SC1	817,747,257	\$0.00144
SC1C	19,959,575	\$0.00123
SC2ND	52,179,570	\$0.00131
		<u>\$/kW</u>
SC2D	1,028,363	\$0.38
SC3-Secondary	841,627	\$0.46
SC3-Primary	340,534	\$0.00
SC3-Subtransmission/Transmission	137,789	\$0.00
SC3A-Secondary/Primary	178,248	\$0.09
SC3A-Sub Transmission	273,132	\$0.00
SC3A-Transmission	1,023,016	\$0.00
		<u>\$/kWh</u>
Streetlighting	11,048,777	\$0.00188

Issued by: Rudolph L. Wynter, President, Syracuse, New York

Dated: October 22, 2021

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 PAGE 8 OF 12

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: \$36,291.41

Subtransmission/Transmission Cost Allocation

Service Class (with Voltage Delivery Level)	<u>ICP Allocator</u>	
SC1	40.99%	\$14,875.85
SC1C	0.81%	\$293.96
SC2ND	2.54%	\$921.80
SC2D	14.46%	\$5,247.74
SC3-Secondary	13.34%	\$4,841.27
SC3-Primary	5.15%	\$1,869.01
SC3-Subtransmission/Transmission	1.65%	\$598.81
SC3A-Secondary/Primary	2.98%	\$1,081.48
SC3A-Sub Transmission	3.75%	\$1,360.93
SC3A-Transmission	14.31%	\$5,193.30
Streetlighting	0.02%	\$7.26
Total	100.00%	\$36,291.41

Subtransmission/Transmission Rate Design by Forecast

Service Class (with Voltage Delivery Level)	<u>Forecast</u>	<u>\$/kWh</u>
SC1	817,747,257	\$0.00002
SC1C	19,959,575	\$0.00001
SC2ND	52,179,570	\$0.00002
		<u>\$/kW</u>
SC2D	1,028,363	\$0.01
SC3-Secondary	841,627	\$0.01
SC3-Primary	340,534	\$0.01
SC3-Subtransmission/Transmission	137,789	\$0.00
SC3A-Secondary/Primary	178,248	\$0.01
SC3A-Sub Transmission	273,132	\$0.00
SC3A-Transmission	1,023,016	\$0.01
		<u>\$/kWh</u>
Streetlighting	11,048,777	\$0.00000

Issued by: Rudolph L. Wynter, President, Syracuse, New York
 Dated: October 22, 2021

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 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 **Secondary/Primary** Projects: \$34,206.45

Secondary/Primary Cost Allocation

Service Class (with Voltage Delivery Level)	NCP Allocator	
SC1	56.65%	\$19,377.95
SC1C	1.18%	\$403.64
SC2ND	3.30%	\$1,128.81
SC2D	18.62%	\$6,369.24
SC3-Secondary	18.51%	\$6,331.61
SC3-Primary	0.00%	\$0.00
SC3-Subtransmission/Transmission	0.00%	\$0.00
SC3A-Secondary/Primary	0.74%	\$253.13
SC3A-Sub Transmission	0.00%	\$0.00
SC3A-Transmission	0.00%	\$0.00
Streetlighting	1.00%	\$342.06
Total	100.00%	\$34,206.45

Secondary/Primary Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	\$/kWh
SC1	817,747,257	\$0.00002
SC1C	19,959,575	\$0.00002
SC2ND	52,179,570	\$0.00002
		\$/kW
SC2D	1,028,363	\$0.01
SC3-Secondary	841,627	\$0.01
SC3-Primary	340,534	\$0.00
SC3-Subtransmission/Transmission	137,789	\$0.00
SC3A-Secondary/Primary	178,248	\$0.00
SC3A-Sub Transmission	273,132	\$0.00
SC3A-Transmission	1,023,016	\$0.00
		\$/kWh
Streetlighting	11,048,777	\$0.00003

Issued by: Rudolph L. Wynter, President, Syracuse, New York

Dated: October 22, 2021

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 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** Projects: \$0.00

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	817,747,257	\$0.00000
SC1C	19,959,575	\$0.00000
SC2ND	52,179,570	\$0.00000
		\$/kW
SC2D	1,028,363	\$0.00
SC3-Secondary	841,627	\$0.00
SC3-Primary	340,534	\$0.00
SC3-Subtransmission/Transmission	137,789	\$0.00
SC3A-Secondary/Primary	178,248	\$0.00
SC3A-Sub Transmission	273,132	\$0.00
SC3A-Transmission	1,023,016	\$0.00
		\$/kWh
Streetlighting	11,048,777	\$0.00000

Issued by: Rudolph L. Wynter, President, Syracuse, New York
 Dated: October 22, 2021

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 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: \$50,671.29

Cost Allocation

Service Class (with Voltage Delivery Level)	<u>Allocator</u>	
SC1	92.41%	\$46,823.32
SC1C	0.00%	\$0.00
SC2ND	7.59%	\$3,847.97
Total	100.00%	\$50,671.29

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	<u>Forecast</u>	<u>\$/kWh</u>
SC1	817,747,257	\$0.00006
SC1C	19,959,575	\$0.00000
SC2ND	52,179,570	\$0.00007

P.S.C. 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: OCTOBER 28, 2021

STATEMENT TYPE: VDER-CR
 WORKPAPERS FOR STATEMENT NO. 49
 PAGE 12 OF 12

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: \$680,041.20

Cost Allocation

Service Class (with Voltage Delivery Level)	Allocator	
SC1	43.26%	\$294,188.22
SC1C	0.00%	\$0.00
SC2ND	2.92%	\$19,833.09
SC2D	19.48%	\$132,456.21
SC3-Secondary	20.50%	\$139,393.31
SC3-Primary	10.57%	\$71,877.02
SC3-Subtransmission/Transmission	1.34%	\$9,095.26
SC3A-Secondary/Primary	0.01%	\$98.44
SC3A-Sub Transmission	0.79%	\$5,348.76
SC3A-Transmission	0.00%	\$0.00
Streetlighting	1.14%	\$7,750.89
Total	100.00%	\$680,041.20

Rate Design by Forecast

Service Class (with Voltage Delivery Level)	Forecast	\$/kWh
SC1	817,747,257	\$0.00036
SC1C	19,959,575	\$0.00000
SC2ND	52,179,570	\$0.00038
		\$/kW
SC2D	1,028,363	\$0.13
SC3-Secondary	841,627	\$0.17
SC3-Primary	340,534	\$0.21
SC3-Subtransmission/Transmission	137,789	\$0.07
SC3A-Secondary/Primary	178,248	\$0.00
SC3A-Sub Transmission	273,132	\$0.02
SC3A-Transmission	1,023,016	\$0.00
Streetlighting	11,048,777	\$0.00070

Issued by: Rudolph L. Wynter, President, Syracuse, New York
 Dated: October 22, 2021