STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 PAGE 1 OF 12

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 |
|--|--------|-----|
| | | |

Total of Alternative 1 VDER Projects' Net Injections at hour of NYISO Peak: 106,173 kW

Total Alternative 1 Capacity Market Value Cost to Recover: \$334,356.16

Cost Allocation

| Service Class (with Voltage Delivery Level) | 1CP Allocator | |
|---|---------------|--------------|
| SC1 | 42.70% | \$142,770.08 |
| SC1C | 0.84% | \$2,808.59 |
| SC2ND | 2.60% | \$8,693.26 |
| SC2D | 13.77% | \$46,040.84 |
| SC3-Secondary | 12.44% | \$41,593.91 |
| SC3-Primary | 5.03% | \$16,818.11 |
| SC3-Subtransmission/Transmission | 1.79% | \$5,984.98 |
| SC3A-Secondary/Primary | 2.46% | \$8,225.16 |
| SC3A-Sub Transmission | 3.83% | \$12,805.84 |
| SC3A-Transmission | 14.53% | \$48,581.95 |
| Streetlighting | 0.01% | \$33.44 |
| Total | 100.00% | \$334,356.16 |

Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------|
| SC1 | 951,467,868 | \$0.00015 |
| SC1C | 23,223,054 | \$0.00012 |
| SC2ND | 55,926,212 | \$0.00016 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.04 |
| SC3-Secondary | 883,280 | \$0.05 |
| SC3-Primary | 356,470 | \$0.05 |
| SC3-Subtransmission/Transmission | 143,503 | \$0.04 |
| SC3A-Secondary/Primary | 182,415 | \$0.05 |
| SC3A-Sub Transmission | 279,730 | \$0.05 |
| SC3A-Transmission | 1,041,298 | \$0.05 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$0.00000 |

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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

| | | - |
|--|---------|-----|
| Average Monthly NYISO Spot Auction Capacity Price: | \$ 3.15 | /kW |

Total of Alternative 2 VDER Projects' Net Injections at hour of NYISO Peak: 53,747 kW

Total Alternative 2 Capacity Market Value Cost to Recover: \$ 169,256.69

Cost Allocation

| Service Class (with Voltage Delivery Level) | 1CP Allocator | |
|---|---------------|--------------|
| SC1 | 42.70% | \$72,272.61 |
| SC1C | 0.84% | \$1,421.76 |
| SC2ND | 2.60% | \$4,400.67 |
| SC2D | 13.77% | \$23,306.65 |
| SC3-Secondary | 12.44% | \$21,055.53 |
| SC3-Primary | 5.03% | \$8,513.61 |
| SC3-Subtransmission/Transmission | 1.79% | \$3,029.69 |
| SC3A-Secondary/Primary | 2.46% | \$4,163.71 |
| SC3A-Sub Transmission | 3.83% | \$6,482.53 |
| SC3A-Transmission | 14.53% | \$24,593.00 |
| Streetlighting | 0.01% | \$16.93 |
| Total | 100.00% | \$169,256.69 |

Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------|
| SC1 | 951,467,868 | \$0.00008 |
| SC1C | 23,223,054 | \$0.00006 |
| SC2ND | 55,926,212 | \$0.00008 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.02 |
| SC3-Secondary | 883,280 | \$0.02 |
| SC3-Primary | 356,470 | \$0.02 |
| SC3-Subtransmission/Transmission | 143,503 | \$0.02 |
| SC3A-Secondary/Primary | 182,415 | \$0.02 |
| SC3A-Sub Transmission | 279,730 | \$0.02 |
| SC3A-Transmission | 1,041,298 | \$0.02 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$0.00000 |

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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: \$ 160 | .61 |
|---|---------|
| Total of Alternative 3 VDER Projects' Net Injections at hour of NYISO Peak: | 51 kW |
| Average Monthly NYISO Spot Auction Capacity Price: \$ 3 | .15 /kW |

Cost Allocation

| Service Class (with Voltage Delivery Level) | 1CP Allocator | |
|---|---------------|----------|
| SC1 | 42.70% | \$68.58 |
| SC1C | 0.84% | \$1.35 |
| SC2ND | 2.60% | \$4.18 |
| SC2D | 13.77% | \$22.12 |
| SC3-Secondary | 12.44% | \$19.98 |
| SC3-Primary | 5.03% | \$8.08 |
| SC3-Subtransmission/Transmission | 1.79% | \$2.87 |
| SC3A-Secondary/Primary | 2.46% | \$3.95 |
| SC3A-Sub Transmission | 3.83% | \$6.15 |
| SC3A-Transmission | 14.53% | \$23.34 |
| Streetlighting | 0.01% | \$0.02 |
| Total | 100.00% | \$160.61 |

Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------|
| SC1 | 951,467,868 | \$0.00000 |
| SC1C | 23,223,054 | \$0.00000 |
| SC2ND | 55,926,212 | \$0.00000 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.00 |
| SC3-Secondary | 883,280 | \$0.00 |
| SC3-Primary | 356,470 | \$0.00 |
| SC3-Subtransmission/Transmission | 143,503 | \$0.00 |
| SC3A-Secondary/Primary | 182,415 | \$0.00 |
| SC3A-Sub Transmission | 279,730 | \$0.00 |
| SC3A-Transmission | 1,041,298 | \$0.00 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$0.00000 |

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: MARCH 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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): \$503,773.45

Total VDER Value Stack Capacity Component Paid to Projects: \$372,182.70

Total Capacity Out of Market Value Cost to Recover: -\$131,590.75

Cost Allocation

| Service Class (with Voltage Delivery Level) | Allocator | |
|---|-----------|---------------|
| SC1 | 35.49% | -\$46,700.91 |
| SC1C | 0.04% | -\$46.23 |
| SC2ND | 21.62% | -\$28,443.87 |
| SC2D | 14.88% | -\$19,580.53 |
| SC3 | 24.64% | -\$32,419.96 |
| SC3A | 1.77% | -\$2,324.89 |
| Streetlighting | 1.58% | -\$2,074.37 |
| Total | 100.00% | -\$131,590.75 |

Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------------|
| SC1 | 951,467,868 | -\$0.00005 |
| SC1C | 23,223,054 | \$0.00000 |
| SC2ND | 55,926,212 | -\$0.00051 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | -\$0.02 |
| SC3 | 1,383,253 | -\$0.02 |
| SC3A | 1,503,443 | \$0.00 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | -\$0.00014 |

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: MARCH 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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: | \$427,573.07 | |
|---|--------------|------|
| Total of VDER Projects' Net Injections during recovery month: | 19,028,619 | kWh |
| NYSERDA Tier 1 REC rate in effect for the recovery month ² : | \$0.02247 | /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 4 Tier 1 REC Sale Price of \$22.47/MWh.

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: MARCH 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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): \$427,573.07

Total VDER Value Stack Environmental Component Paid to Projects: \$484,183.19

Total Environmental Out of Market Value Cost to Recover: \$56,610.12

Cost Allocation

| Service Class (with Voltage Delivery Level) | Allocator | |
|---|-----------|-------------|
| SC1 | 35.45% | \$20,069.39 |
| SC1C | 0.03% | \$19.59 |
| SC2ND | 19.04% | \$10,777.18 |
| SC2D | 15.63% | \$8,845.83 |
| SC3 | 26.02% | \$14,728.18 |
| SC3A | 2.05% | \$1,160.26 |
| Streetlighting | 1.78% | \$1,009.70 |
| Total | 100.00% | \$56,610.12 |

Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------|
| SC1 | 951,467,868 | \$0.00002 |
| SC1C | 23,223,054 | \$0.00000 |
| SC2ND | 55,926,212 | \$0.00019 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.01 |
| SC3 | 1,383,253 | \$0.01 |
| SC3A | 1,503,443 | \$0.00 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$0.00007 |

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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: \$32,040.21

Secondary/Primary Cost Allocation

| Service Class (with Voltage Delivery Level) | NCP Allocator | |
|---|---------------|-------------|
| SC1 | 53.93% | \$17,279.29 |
| SC1C | 1.11% | \$355.65 |
| SC2ND | 3.11% | \$996.45 |
| SC2D | 16.32% | \$5,228.96 |
| SC3-Secondary | 15.50% | \$4,966.23 |
| SC3-Primary | 6.21% | \$1,989.70 |
| SC3-Subtransmission/Transmission | 0.00% | \$0.00 |
| SC3A-Secondary/Primary | 3.05% | \$977.23 |
| SC3A-Sub Transmission | 0.00% | \$0.00 |
| SC3A-Transmission | 0.00% | \$0.00 |
| Streetlighting | 0.77% | \$246.71 |
| Total | 100.00% | \$32,040,21 |

Secondary/Primary Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------|
| SC1 | 951,467,868 | \$0.00002 |
| SC1C | 23,223,054 | \$0.00002 |
| SC2ND | 55,926,212 | \$0.00002 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.00 |
| SC3-Secondary | 883,280 | \$0.01 |
| SC3-Primary | 356,470 | \$0.01 |
| SC3-Subtransmission/Transmission | 143,503 | \$0.00 |
| SC3A-Secondary/Primary | 182,415 | \$0.01 |
| SC3A-Sub Transmission | 279,730 | \$0.00 |
| SC3A-Transmission | 1,041,298 | \$0.00 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$0.00002 |

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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: \$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 | 951,467,868 | \$0.00000 |
| SC1C | 23,223,054 | \$0.00000 |
| SC2ND | 55,926,212 | \$0.00000 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.00 |
| SC3-Secondary | 883,280 | \$0.00 |
| SC3-Primary | 356,470 | \$0.00 |
| SC3-Subtransmission/Transmission | 143,503 | \$0.00 |
| SC3A-Secondary/Primary | 182,415 | \$0.00 |
| SC3A-Sub Transmission | 279,730 | \$0.00 |
| SC3A-Transmission | 1,041,298 | \$0.00 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$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: | \$342.79 |
|---|----------|

Secondary/Primary Cost Allocation

| Service Class (with Voltage Delivery Level) | NCP Allocator | |
|---|---------------|----------|
| SC1 | 53.93% | \$184.87 |
| SC1C | 1.11% | \$3.80 |
| SC2ND | 3.11% | \$10.66 |
| SC2D | 16.32% | \$55.94 |
| SC3-Secondary | 15.50% | \$53.13 |
| SC3-Primary | 6.21% | \$21.29 |
| SC3-Subtransmission/Transmission | 0.00% | \$0.00 |
| SC3A-Secondary/Primary | 3.05% | \$10.46 |
| SC3A-Sub Transmission | 0.00% | \$0.00 |
| SC3A-Transmission | 0.00% | \$0.00 |
| Streetlighting | 0.77% | \$2.64 |
| Total | 100.00% | \$342.79 |

Secondary/Primary Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------|
| SC1 | 951,467,868 | \$0.00000 |
| SC1C | 23,223,054 | \$0.00000 |
| SC2ND | 55,926,212 | \$0.00000 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.00 |
| SC3-Secondary | 883,280 | \$0.00 |
| SC3-Primary | 356,470 | \$0.00 |
| SC3-Subtransmission/Transmission | 143,503 | \$0.00 |
| SC3A-Secondary/Primary | 182,415 | \$0.00 |
| SC3A-Sub Transmission | 279,730 | \$0.00 |
| SC3A-Transmission | 1,041,298 | \$0.00 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$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 **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 | 951,467,868 | \$0.00000 |
| SC1C | 23,223,054 | \$0.00000 |
| SC2ND | 55,926,212 | \$0.00000 |
| | | <u>\$/kW</u> |
| SC2D | 1,088,518 | \$0.00 |
| SC3-Secondary | 883,280 | \$0.00 |
| SC3-Primary | 356,470 | \$0.00 |
| SC3-Subtransmission/Transmission | 143,503 | \$0.00 |
| SC3A-Secondary/Primary | 182,415 | \$0.00 |
| SC3A-Sub Transmission | 279,730 | \$0.00 |
| SC3A-Transmission | 1,041,298 | \$0.00 |
| | | <u>\$/kWh</u> |
| Streetlighting | 15,204,220 | \$0.00000 |

P.S.C. 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: MARCH 30, 2022 STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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: | \$9,716.87 |
|--|------------|

Cost Allocation

| Service Class (with Voltage Delivery Level) | Allocator | |
|---|-----------|------------|
| SC1 | 100.62% | \$9,776.72 |
| SC1C | 0.00% | \$0.00 |
| SC2ND | -0.62% | -\$59.85 |
| Total | 100.00% | \$9,716.87 |

Rate Design by Forecast

| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> |
|---|-------------|---------------|
| SC1 | 951,467,868 | \$0.00001 |
| SC1C | 23,223,054 | \$0.00000 |
| SC2ND | 55.926.212 | \$0.00000 |

STATEMENT TYPE: VDER-CR ATTACHMENT 3 FOR STATEMENT NO. 54 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: \$276,556.03

Cost Allocation

| Service Class (with Voltage Delivery Level) | Allocator | |
|---|-----------|--------------|
| SC1 | 45.63% | \$126,182.27 |
| SC1C | 0.00% | \$0.00 |
| SC2ND | 3.43% | \$9,495.33 |
| SC2D | 18.92% | \$52,317.83 |
| SC3-Secondary | 18.89% | \$52,238.16 |
| SC3-Primary | 10.29% | \$28,463.38 |
| SC3-Subtransmission/Transmission | 1.35% | \$3,743.40 |
| SC3A-Secondary/Primary | 0.01% | \$37.63 |
| SC3A-Sub Transmission | 0.28% | \$766.52 |
| SC3A-Transmission | 0.00% | \$0.00 |
| Streetlighting | 1.20% | \$3,311.51 |
| Total | 100.00% | \$276,556,03 |

Rate Design by Forecast

| Rate Design by 1 of ceast | | | | |
|---|-------------|---------------|--|--|
| Service Class (with Voltage Delivery Level) | Forecast | <u>\$/kWh</u> | | |
| SC1 | 951,467,868 | \$0.00013 | | |
| SC1C | 23,223,054 | \$0.00000 | | |
| SC2ND | 55,926,212 | \$0.00017 | | |
| | | <u>\$/kW</u> | | |
| SC2D | 1,088,518 | \$0.05 | | |
| SC3-Secondary | 883,280 | \$0.06 | | |
| SC3-Primary | 356,470 | \$0.08 | | |
| SC3-Subtransmission/Transmission | 143,503 | \$0.03 | | |
| SC3A-Secondary/Primary | 182,415 | \$0.00 | | |
| SC3A-Sub Transmission | 279,730 | \$0.00 | | |
| SC3A-Transmission | 1,041,298 | \$0.00 | | |
| | | | | |
| Streetlighting | 15,204,220 | \$0.00022 | | |