

Hollymead - Gordonsville Line # 2135 Rebuild

General Information

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|---|---|
| Proposing entity name | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project? | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Company proposal ID | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| PJM Proposal ID | 211 |
| Project title | Hollymead - Gordonsville Line # 2135 Rebuild |
| Project description | This project serves to wreck/rebuild segment one of 230kV line 2135, demarcation point between Holly Meade Junction (Str.339B) and Gordonsville using double-circuit capable 500/230 kV poles. The line will be rebuilt with 3-phase 2-768 ACSS Maumee Type 13 bundled conductor and two (2) DNO-11410 shield wire. Switches and line lead at HollyMeade will be upgraded to 4000A. |
| Email | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Project in-service date | 12/2027 |
| Tie-line impact | No |
| Interregional project | No |
| Is the proposer offering a binding cap on capital costs? | No |
| Additional benefits | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |

Project Components

1. Hollymeade Equipment Rating Upgrade
2. Gordonsville Substation
3. Line # 2135 (Hollymead to Gordonsville)
4. Cash Corner DP Equipment Rating Upgrade

Substation Upgrade Component

| | |
|--------------------------|---|
| Component title | Hollymeade Equipment Rating Upgrade |
| Project description | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Substation name | Hollymeade |
| Substation zone | 363 |
| Substation upgrade scope | Purchase and install substation material: 1. One (1) 230 kV, 4000A, 3-Phase Vertical Break Switch with vacuum interrupter attachment. 2. One (1), Motor Operator, 10-20K IN-LB 3. Conductors, connectors, conduit, control cable, and grounding materials as per engineering standards. Purchase and install relay material: 1. One (1) 4103 - Non-Earthing Switch MOAB AC/DC Distribution Box 2. One (1) 4548 – Non-Earthing Switch MOAB Control Box Remove substation material: 1. One (1), 230kV, 3000A, 3-Phase Vertical Break Switch with vacuum interrupter attachment. |

Transformer Information

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|-----------------------------|---|
| None | |
| New equipment description | One (1) 230 kV, 4000A, 3-Phase Vertical Break Switch with vacuum interrupter attachment. One (1), Motor Operator, 10-20K IN-LB. |
| Substation assumptions | 1. The scope of work depicted on the drawings assumes that there is no overlap with other designs and construction activities, except if mentioned in this Project Summary. 2. 4-hole pad connections must be replaced with 6-hole connections to maintain 4000A ratings. 3. Relay Settings and protection & control design will be revised as part of the SPE scope of work. |
| Real-estate description | Substation is not being expanded. |
| Construction responsibility | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Benefits/Comments | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |

Component Cost Details - In Current Year \$

| | |
|-------------------------------|---|
| Engineering & design | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Permitting / routing / siting | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| ROW / land acquisition | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |

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|----------------------------------|---|
| Materials & equipment | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Construction & commissioning | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Construction management | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Overheads & miscellaneous costs | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Contingency | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Total component cost | \$303,674.00 |
| Component cost (in-service year) | \$325,234.85 |

Substation Upgrade Component

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|--------------------------|---|
| Component title | Gordonsville Substation |
| Project description | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Substation name | Gordonsville |
| Substation zone | 363 |
| Substation upgrade scope | Purchase and install substation material: 1. Line conductors and connectors, as per engineering standards. Purchase and install relay material: 1. No relay material is needed (Relay Resets Only). |

Transformer Information

| | |
|-----------------------------|---|
| None | |
| New equipment description | No new equipment being installed. |
| Substation assumptions | 1. The scope of work depicted on the drawings assumes that there is no overlap with other designs and construction activities, except if mentioned in this Project Summary. 2. 4-hole pad connections must be replaced with 6-hole connections to maintain 4000A ratings. 3. Relay Settings and protection & control design will be revised as part of the SPE scope of work. |
| Real-estate description | Substation will not be expanded under this project. |
| Construction responsibility | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Benefits/Comments | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |

Component Cost Details - In Current Year \$

| | |
|----------------------------------|---|
| Engineering & design | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Permitting / routing / siting | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| ROW / land acquisition | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Materials & equipment | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Construction & commissioning | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Construction management | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Overheads & miscellaneous costs | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Contingency | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Total component cost | \$79,491.00 |
| Component cost (in-service year) | \$85,134.86 |

Transmission Line Upgrade Component

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|----------------------------|---|
| Component title | Line # 2135 (Hollymead to Gordonsville) |
| Project description | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Impacted transmission line | Line #2135 |
| Point A | Hollymead Junction |
| Point B | Gordonsville Substation |
| Point C | |
| Terrain description | The project area is in the central Virginia Piedmont region with elevations ranging from approximately 400 to 1000 feet. The terrain is predominately vegetated existing right-of-way consisting of moderate slopes. The line will cross Route 20 and some smaller roads, a railroad track, several small streams, and the Rivanna River. |

Existing Line Physical Characteristics

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|----------------------------|---|
| Operating voltage | 230 |
| Conductor size and type | 2-477 ACSR (24/7) 90°C MOT [7.10 miles] |
| Hardware plan description | Existing segment of the line will remain as is. For the extension segment, new hardware will be used. The existing hardware were installed in 2014. |
| Tower line characteristics | Existing structures shall be removed, and new structures will be used for the rebuild. |

Proposed Line Characteristics

| | Designed | Operating |
|---------------------------|---|--------------------------|
| Voltage (kV) | 230.000000 | 230.000000 |
| | Normal ratings | Emergency ratings |
| Summer (MVA) | 1047.000000 | 1047.000000 |
| Winter (MVA) | 1160.000000 | 1160.000000 |
| Conductor size and type | 2-768.2 ACS/TW/HS (20/7) 250°C MOT [7.10 miles] | |
| Shield wire size and type | DNO-11410 | |
| Rebuild line length | 7.10 Miles | |

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|--|---|
| Rebuild portion description | <p>FACILITIES TO BE REMOVED: 1. Two (2) existing double circuit concrete 2-pole deadend backbone structures as follows: a. Strs. 2135/280, 2135/303 2. Two (2) existing single circuit steel 3-pole Double Deadends as follows: a. Str. 2135/281,323 3. One (1) existing single circuit steel 3-pole Running Angle as follows: a. Str. 2135/312 4. Forty-three (43) existing single circuit wood 2-pole H-Frame Suspension as follows: a. Str. 2135/282-295, 301-302, 304-308, 311, 313-319, 321-322, 324-327, 330-334, 336, 337, & 339 5. Eight (8) existing single circuit steel 2-pole H-Frame Suspension as follows: a. Str. 2135/296-299, 309-310, 329, 335 6. Three (3) existing single circuit wood 3-pole Double Deadend as follows: a. Str. 2135/300,328,338 7. Two (2) existing steel static poles as follows: a. Str. 2135/339A,339C 8. One (1) existing steel column as follows: a. Str. 2135/339B 9. One (1) existing single circuit wood 3-pole running angle as follows: a. Str. 2135/320 10. Approx. 7.1 miles of 3-phase 2-477 ACSR (24/7) conductor from Strs. 2135/280 to Holly Meade Junction (Str. 2135/339B). 11. Approx. 7.1 miles of one (1) 3#6 Alumoweld shield wire from Strs. 2135/280-339B. 12. Approx. 7.1 miles of one (1) 49/49MM 2 48-fiber OPGW from Strs. 2135/280-339B. 13. Two (2) switches supported on existing backbone Str. 2135/303. FACILITIES TO BE MODIFIED: 1. Transfer existing 3-phase 2-636 ACSR conductor from existing Str. 2135/339B to new Str. 2135/339B. 2. Transfer existing 2 OPGW from existing Str. 2135/339B to new Str. 2135/339B. PERMANENT FACILITIES TO BE INSTALLED: 1. Fifty-nine (59) 500/230kV steel monopole double circuit tangents (15.205) on foundations. 2. Three (3) 500/230kV steel monopole double circuit small angles (15.215) on foundations. 3. Three (3) 500kV self-supporting heavy angle Strs. (15.212) on foundations. 4. Five (5) 230kV self-supporting heavy angle Strs. (15.212 w/ 230kV conductor) on foundations. 5. Two (2) 500kV self-supporting large angle steel deadends (modified 15.212 w/ two additional poles to catch the bottom two phases) on foundations. Modifications were made to reduce groundline moments. 6. Two (2) 230kV substation backbone Strs. (12.905). 7. Approx. 7.1 miles of 3-phase 2-768.2 ACSS Maumee Type 13 conductor. 8. Approx. 7.1 miles of two (2) DNO-11410 shield wire. a. Assumes 5 OPGW splices throughout the span. 9. Two (2) 4000A switches (213576 and 213579) to be supported by proposed backbone structure 2135/303.</p> |
| Right of way | Existing Right-of-Way will be Reused for the rebuild. No new Right-of-Way is required for this proposal. |
| Construction responsibility | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Benefits/Comments | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Component Cost Details - In Current Year \$ | |
| Engineering & design | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Permitting / routing / siting | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| ROW / land acquisition | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Materials & equipment | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |

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|----------------------------------|---|
| Construction & commissioning | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Construction management | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Overheads & miscellaneous costs | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Contingency | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Total component cost | \$53,964,293.00 |
| Component cost (in-service year) | \$57,795,757.80 |

Substation Upgrade Component

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|--------------------------|--|
| Component title | Cash Corner DP Equipment Rating Upgrade |
| Project description | The redacted information is proprietary to the Company; therefore, it is privileged and confidential. |
| Substation name | Cash Corner DP |
| Substation zone | 363 |
| Substation upgrade scope | Purchase and install substation material: 1. Two (2) 230 kV, 4000A, 3-Phase Vertical Break Switches with vacuum interrupter attachment. 2. Two (2), Motor Operators, 10-20K IN-LB 3. Conductors, connectors, conduit, control cable, and grounding materials as per engineering standards. Purchase and install relay material: 1. Two (2) 4103 - Non-Earthing Switch MOAB AC/DC Distribution Box 2. Two (2) 4548 – Non-Earthing Switch MOAB Control Box Remove substation material: 1. Two (2), 230kV, 3000A, 3-Phase Vertical Break Switch with vacuum interrupter attachment. |

Transformer Information

| | |
|---------------------------|---|
| None | |
| New equipment description | Two (2) 230 kV, 4000A, 3-Phase Vertical Break Switch with vacuum interrupter attachment. Two (2), Motor Operator, 10-20K IN-LB. |
| Substation assumptions | 1. The scope of work depicted on the drawings assumes that there is no overlap with other designs and construction activities, except if mentioned in this Project Summary. 2. 4-hole pad connections must be replaced with 6-hole connections to maintain 4000A ratings. 3. Relay Settings and protection & control design will be revised as part of the SPE scope of work. |
| Real-estate description | Substation is not being expanded. |

Construction responsibility

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Benefits/Comments

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Component Cost Details - In Current Year \$

Engineering & design

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Permitting / routing / siting

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ROW / land acquisition

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Materials & equipment

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Construction & commissioning

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Construction management

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Overheads & miscellaneous costs

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Contingency

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Total component cost

\$506,801.00

Component cost (in-service year)

\$542,783.87

Congestion Drivers

None

Existing Flowgates

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
|----------------|------------|---------------|------------|-------------|-----|---------|---------|------------------|----------|
| 2022W3-GD-W124 | 613399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST25 | 614004 | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 | Included |
| 2022W3-N1-ST25 | 614290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230/230 | 345/345 | Summer N-1 | Included |
| 2022W3-GD-S169 | 614006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST25 | 614290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230/230 | 345/345 | Summer N-1 | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
|-----------------|------------|---------------|------------|-------------|-----|---------|---------|----------------------|----------|
| 2022W3-GD-W129 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W42 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W43 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST98 | 314009 | 6BRADOCK | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1658 | 314084 | 6SULLY | 314035 | 6DISCOVR | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST89 | 314009 | 6BRADOCK | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST91 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST215 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1697 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1777 | 314197 | 6LDYSMITH CT | 313837 | 6SUMMIT | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W1387 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD_118 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230 | 345 | Light Load Gen Deliv | Included |
| 2022W3-GD-W49 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W1388 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W822 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD_L3103 | 314820 | 6BALLSTN | 314120 | 6CLRNDNC | 1 | 230/230 | 345/345 | Light Load Gen Deliv | Included |
| 2022W3-GD-S1700 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W823 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD_117 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230 | 345 | Light Load Gen Deliv | Included |
| 2022W3-GD-S2019 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1703 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1779 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1780 | 314901 | 8BATH CO | 314991 | 8VALLEY SC | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W1367 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W133 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST107 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST108 | 313752 | 6TAKEOFF | 313774 | 6LINC PRK | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST99 | 313399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
|-----------------|------------|---------------|------------|-------------|-----|---------|---------|----------------------|----------|
| 2022W3-GD-S1698 | 14290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1663 | 14916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1663 | 14916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S83 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1783 | 14039 | 6GALLOWS A | 314052 | 6IDYLWOD | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1703 | 14939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1703 | 14072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1783 | 14925 | 8PL VIEW | 314072 | 6PL VIEW | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1703 | 14009 | 6BRADOCK | 314052 | 6IDYLWOD | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1788 | 14916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W57 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST233 | 14290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD_L3593 | 14041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Light Load Gen Deliv | Included |
| 2022W3-GD_L2763 | 14041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Light Load Gen Deliv | Included |
| 2022W3-GD-W823 | 14041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-S1783 | 14991 | 8VALLEY SC | 314926 | 8VALLEY | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST233 | 14290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1703 | 14035 | 6DISCOVR | 313774 | 6LINC PRK | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST110 | 13399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S88 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST113 | 14006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S89 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST112 | 14009 | 6BRADOCK | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST233 | 14004 | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST114 | 14039 | 6GALLOWS A | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST115 | 14068 | 6OX | 314039 | 6GALLOWS A | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1713 | 14939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W59 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Winter Gen Deliv | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
|-----------------------|------------|---------------|------------|-------------|-----|---------|---------|----------------------|----------|
| 2022W3-GD-S333314010 | | 6BEAMEAD | 313743 | 6INTERCONN | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S165314939 | | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W60313393 | | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-S204314939 | | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S179713746 | | 6SOJOURNER | 313822 | 6RUNWAY | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD_L360314041 | | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Light Load Gen Deliv | Included |
| 2022W3-N1-ST130314006 | | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W840314939 | | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W137014939 | | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-WT13813904 | | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-WT13913904 | | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-WT14013752 | | 6TAKEOFF | 313774 | 6LINC PRK | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST121314004 | | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST24213815 | | 6SPRINGH | 314079 | 6RESTON | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-WT13214006 | | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST24313805 | | 6SHELLHORN1 | 313841 | 6ENTERPRIS | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST12213815 | | 6SPRINGH | 314079 | 6RESTON | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S167613904 | | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-WT13313904 | | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-WT13413399 | | 6MARS | 313746 | 6SOJOURNER | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST12514006 | | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST12614068 | | 6OX | 314039 | 6GALLOWS A | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S210314039 | | 6GALLOWS A | 314052 | 6IDYLWOD | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S180314934 | | 8SPOTSYL | 314916 | 8MORRSVL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S172213399 | | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S179813859 | | 6BELMONT | 314072 | 6PL VIEW | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST13114006 | | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST13214035 | | 6DISCOVR | 313774 | 6LINC PRK | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
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| 2022W3-N1-WT143 | 313399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST137 | 314068 | 6OX | 314039 | 6GALLOWS A | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST173 | 314084 | 6SULLY | 314035 | 6DISCOVR | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD_L2693 | 314820 | 6BALLSTN | 314120 | 6CLRNDNC | 1 | 230/230 | 345/345 | Light Load Gen Deliv | Included |
| 2022W3-GD_L3093 | 314820 | 6BALLSTN | 314120 | 6CLRNDNC | 1 | 230/230 | 345/345 | Light Load Gen Deliv | Included |
| 2022W3-N1-ST149 | 314009 | 6BRADOCK | 314052 | 6IDYLOWD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST150 | 314009 | 6BRADOCK | 314052 | 6IDYLOWD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-WT163 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST31 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1804 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1805 | 313837 | 6SUMMIT | 314138 | 6MINE RD | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1725 | 313815 | 6SPRINGH | 314079 | 6RESTON | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S3473 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-WT160 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-WT403 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-WT153 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST263 | 314010 | 6BEAMEAD | 313743 | 6INTERCONNEC | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST147 | 314068 | 6OX | 314039 | 6GALLOWS A | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST273 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST148 | 313805 | 6SHELLHORN1 | 314098 | 6GREENWAY1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST283 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST163 | 314072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST163 | 314072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-LLT120 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Light Load N-1 | Included |
| 2022W3-GD-S2003 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-LLT120 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Light Load N-1 | Included |
| 2022W3-N1-LLT120 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Light Load N-1 | Included |
| 2022W3-N1-ST363 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
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| 2022W3-N1-WT163 | 14068 | 6OX | 314039 | 6GALLOWS A | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST38 | 314084 | 6SULLY | 314035 | 6DISCOVR | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1738 | 13399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S2223 | 13393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST163 | 13399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1739 | 14916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST49 | 314035 | 6DISCOVR | 313774 | 6LINC PRK | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST173 | 13399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST173 | 14039 | 6GALLOWS A | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST173 | 13743 | 6INTERCONNEC | 313733 | 6NIMBUS | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST173 | 14039 | 6GALLOWS A | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-S1733 | 14004 | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W153 | 13393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST163 | 13399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W147 | 13399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-WT55 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-W139 | 13440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-WT57 | 314010 | 6BEAMEAD | 313743 | 6INTERCONNEC | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-ST48 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-WT173 | 14004 | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-LD-ST10 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-N1-ST60 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST61 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-WT74 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-LD-ST9 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-N1-ST55 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST173 | 14072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W163 | 14004 | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230 | 345 | Winter Gen Deliv | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
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| 2022W3-GD-W1407 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-LLT313 | 314820 | 6BALLSTN | 314120 | 6CLRNDNC | 1 | 230/230 | 345/345 | Light Load N-1 | Included |
| 2022W3-N1-LLT331 | 314820 | 6BALLSTN | 314120 | 6CLRNDNC | 1 | 230/230 | 345/345 | Light Load N-1 | Included |
| 2022W3-N1-LLT321 | 314820 | 6BALLSTN | 314120 | 6CLRNDNC | 1 | 230/230 | 345/345 | Light Load N-1 | Included |
| 2022W3-N1-ST6631 | 314009 | 6BRADOCK | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W9912 | 242701 | 05LEESVI | 314667 | 4ALTVSTA | 1 | 138 | 205/345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST6731 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST6831 | 314072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W9912 | 242701 | 05LEESVI | 314667 | 4ALTVSTA | 1 | 138 | 205/345 | Winter Gen Deliv | Included |
| 2022W3-N1-WT9231 | 314072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-S18131 | 313805 | 6SHELLHORN1 | 313841 | 6ENTERPRIS | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-WT9431 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-W19231 | 313805 | 6SHELLHORN1 | 314098 | 6GREENWAY1 | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W88131 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST7731 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W7531 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST7831 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W87531 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W18131 | 314991 | 8VALLEY SC | 314926 | 8VALLEY | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-WT8931 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-W7631 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W10131 | 313440 | 8VINTHIL | 314125 | 6VINTHIL | 2 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W7731 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W87531 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W1521 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W79821 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W79811 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-S18131 | 314918 | 8NO ANNA | 314911 | 8LADYSMITH | 1 | 500 | 345 | Summer Gen Deliv | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
|-----------------|------------|---------------|------------|-------------|-----|---------|---------|---------------------|----------|
| 2022W3-N1-WT9 | 7313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-WT10 | 7313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-S1817 | 314068 | 6OX | 314039 | 6GALLOWS A | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W894 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-S3843 | 314138 | 6MINE RD | 314137 | 6FREDBRG | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W895 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W94 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W92 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-S1820 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-WT109 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-N1-WT110 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-S2123 | 314138 | 6MINE RD | 314137 | 6FREDBRG | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S3823 | 314138 | 6MINE RD | 314137 | 6FREDBRG | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S2363 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S2373 | 313393 | 8MARS | 313399 | 6MARS | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W103 | 314072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-WT123 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-W904 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST185 | 313399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST186 | 313399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST187 | 314039 | 6GALLOWS A | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W98 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-ST179 | 314039 | 6GALLOWS A | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W125 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-LD-ST24 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Load Deliverability | Included |
| 2022W3-GD-W124 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-GD-W124 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-LD-ST26 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Load Deliverability | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
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| 2022W3-GD-S1763 | 314068 | 6OX | 314039 | 6GALLOWS A | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-W13013 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-LD-ST25 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Load Deliverability | Included |
| 2022W3-GD-S1688 | 314925 | 8PL VIEW | 314072 | 6PL VIEW | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-LD-ST28 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Load Deliverability | Included |
| 2022W3-GD-S1683 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-LD-ST27 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345/345 | Load Deliverability | Included |
| 2022W3-GD-W1363 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-LD-ST23 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-N1-ST193 | 314009 | 6BRADOCK | 314052 | 6IDYLWOD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST193 | 313746 | 6SOJOURNER | 313822 | 6RUNWAY | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-GD-W786 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-N1-WT24 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-S1763 | 313805 | 6SHELLHORN1 | 314098 | 6GREENWAY1 | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1683 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-WT25 | 314041 | 6GLEBE | 314185 | 6RADNOR | 1 | 230/230 | 345/345 | Winter N-1 Thermal | Included |
| 2022W3-GD-S1217 | 314290 | 6EDFERRY | 313911 | 6TWINCREEKS | 1 | 230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1768 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1418 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1763 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1768 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S1468 | 314939 | 8GOOSE CREEK | 313904 | 6GOOSECRK | 1 | 500/230 | 345 | Summer Gen Deliv | Included |
| 2022W3-GD-S2016 | 314916 | 8MORRSVL | 313440 | 8VINTHIL | 1 | 500 | 345 | Summer Gen Deliv | Included |
| 2022W3-N1-ST206 | 313399 | 6MARS | 313746 | 6SOJOURNER | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST85 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST207 | 314004 | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST86 | 313399 | 6MARS | 313805 | 6SHELLHORN1 | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST87 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |

| FG # | Fr Bus No. | From Bus Name | To Bus No. | To Bus Name | CKT | Voltage | TO Zone | Analysis type | Status |
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| 2022W3-N1-ST208 | 313746 | 6SOJOURNER | 313822 | 6RUNWAY | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST88 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-LD-ST30 | 313911 | 6TWINCREEKS | 314072 | 6PL VIEW | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-GD-W31 | 313440 | 8VINTHIL | 314913 | 8LOUDOUN | 1 | 500 | 345 | Winter Gen Deliv | Included |
| 2022W3-LD-ST29 | 314072 | 6PL VIEW | 314004 | 6ASHBURN | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-LD-ST32 | 314006 | 6ASHBURA | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-LD-ST31 | 313911 | 6TWINCREEKS | 314072 | 6PL VIEW | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-LD-ST33 | 314004 | 6ASHBURN | 314010 | 6BEAMEAD | 1 | 230/230 | 345/345 | Load Deliverability | Included |
| 2022W3-N1-ST81 | 314068 | 6OX | 314039 | 6GALLOWS A | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |
| 2022W3-N1-ST83 | 313904 | 6GOOSECRK | 314006 | 6ASHBURA | 1 | 230/230 | 345/345 | Summer N-1 Thermal | Included |

New Flowgates

The redacted information is proprietary to the Company; therefore, it is privileged and confidential.

Financial Information

Capital spend start date 06/2025

Construction start date 12/2026

Project Duration (In Months) 30

Additional Comments

Please contact Chibu Ofoegbu at 267-221-1207 or chibuzor.i.ofoegbu@dominionenergy.com for any questions.