

Dominion Aggregate 500kV Proposal

General Information

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	129
Project title	Dominion Aggregate 500kV Proposal
Project description	This proposal is a comprehensive package of all of Dominion Energy's solutions for the 500 kV violations identified under the 2027 Summer High Load Growth (HLG) Case scenario of PJM's Data Center Planning Initiative. The Package includes the following Projects: 1. Interregional Solution - Aspen-Doubs (Refer to PJM ID 2022-W3-516) 2. Regional Solution - 500 kV Wishing Star-North Anna Upgrade (Refer to PJM ID 2022-W3-711) 3. Data Center Alley Local solution - New 500 kV/230 kV Aspen-Golden & Golden-Mars lines (Refer to PJM ID 2022-W3-692) 4. Second 500 kV Line from Lexington to Dooms (Refer to PJM ID 2022-W3-923) 5. Line #541 (Front Royal to Morrisville) Rebuild (Refer to PJM ID 2022-W3-671) 6. Reactive Power VAR Reinforcements (Refer to PJM ID 2022-W3-231)
Email	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Project in-service date	12/2027
Tie-line impact	Yes
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. Interregional Solution - Aspen-Doubs (Refer to PJM ID 2022-W3-516)

2. Regional Solution - 500 kV Wishing Star-North Anna Upgrade (Refer to PJM ID 2022-W3-711)
3. Data Center Alley Local Solution - New 500 kV/ (Refer to PJM ID 2022-W3-692)
4. Second 500 kV Line from Lexington to Dooms (Refer to PJM ID 2022-W3-923)
5. Line #541 (Front Royal to Morrisville) Rebuild (Refer to PJM ID 2022-W3-671)
6. Reactive Power VAR Reinforcements (Refer to PJM ID 2022-W3-231)

Transmission Line Upgrade Component

Component title	Interregional Solution - Aspen-Doubs (Refer to PJM ID 2022-W3-516)
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Impacted transmission line	N/A
Point A	N/A
Point B	N/A
Point C	
Terrain description	N/A

Existing Line Physical Characteristics

Operating voltage	N/A
Conductor size and type	N/A
Hardware plan description	N/A
Tower line characteristics	N/A

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	500.000000	500.000000
	Normal ratings	Emergency ratings

Summer (MVA)	0.000000	0.000000
Winter (MVA)	0.000000	0.000000
Conductor size and type	N/A	
Shield wire size and type	N/A	
Rebuild line length	N/A	
Rebuild portion description	N/A	
Right of way	N/A	
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	\$61,722,770.00	
Component cost (in-service year)	\$66,105,086.67	
Transmission Line Upgrade Component		
Component title	Regional Solution - 500 kV Wishing Star-North Anna Upgrade (Refer to PJM ID 2022-W3-711)	

Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.	
Impacted transmission line	N/A	
Point A	N/A	
Point B	N/A	
Point C		
Terrain description	N/A	
Existing Line Physical Characteristics		
Operating voltage	N/A	
Conductor size and type	N/A	
Hardware plan description	N/A	
Tower line characteristics	N/A	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	500.000000	500.000000
	Normal ratings	Emergency ratings
Summer (MVA)	0.000000	0.000000
Winter (MVA)	0.000000	0.000000
Conductor size and type	N/A	
Shield wire size and type	N/A	
Rebuild line length	N/A	
Rebuild portion description	N/A	

Right of way	N/A
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	\$1,227,844,928.20
Component cost (in-service year)	\$1,315,021,918.10
Transmission Line Upgrade Component	
Component title	Data Center Alley Local Solution - New 500 kV/ (Refer to PJM ID 2022-W3-692)
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Impacted transmission line	N/A
Point A	N/A
Point B	N/A
Point C	
Terrain description	N/A

Existing Line Physical Characteristics

Operating voltage	N/A
Conductor size and type	N/A
Hardware plan description	N/A
Tower line characteristics	N/A

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	500.000000	500.000000
	Normal ratings	Emergency ratings
Summer (MVA)	0.000000	0.000000
Winter (MVA)	0.000000	0.000000
Conductor size and type	N/A	
Shield wire size and type	N/A	
Rebuild line length	N/A	
Rebuild portion description	N/A	
Right of way	N/A	
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	\$1,058,449,170.10
Component cost (in-service year)	\$1,133,599,061.18

Transmission Line Upgrade Component

Component title	Second 500 kV Line from Lexington to Dooms (Refer to PJM ID 2022-W3-923)
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Impacted transmission line	N/A
Point A	N/A
Point B	N/A
Point C	
Terrain description	N/A

Existing Line Physical Characteristics

Operating voltage	N/A
Conductor size and type	N/A
Hardware plan description	N/A
Tower line characteristics	N/A

Proposed Line Characteristics

Designed **Operating**

Voltage (kV)	500.000000	500.000000
	Normal ratings	Emergency ratings
Summer (MVA)	0.000000	0.000000
Winter (MVA)	0.000000	0.000000
Conductor size and type	N/A	
Shield wire size and type	N/A	
Rebuild line length	N/A	
Rebuild portion description	N/A	
Right of way	N/A	
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	\$232,180,446.00	
Component cost (in-service year)	\$248,665,257.67	

Transmission Line Upgrade Component

Component title	Line #541 (Front Royal to Morrisville) Rebuild (Refer to PJM ID 2022-W3-671)
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Impacted transmission line	N/A
Point A	N/A
Point B	N/A
Point C	
Terrain description	N/A

Existing Line Physical Characteristics

Operating voltage	N/A
Conductor size and type	N/A
Hardware plan description	N/A
Tower line characteristics	N/A

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	500.000000	500.000000
	Normal ratings	Emergency ratings
Summer (MVA)	0.000000	0.000000
Winter (MVA)	0.000000	0.000000
Conductor size and type	N/A	
Shield wire size and type	N/A	

Rebuild line length	N/A
Rebuild portion description	N/A
Right of way	N/A
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	\$299,034,736.00
Component cost (in-service year)	\$320,266,202.26

Substation Upgrade Component

Component title	Reactive Power VAR Reinforcements (Refer to PJM ID 2022-W3-231)
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential.
Substation name	Multiple Substations
Substation zone	N/A
Substation upgrade scope	N/A

Transformer Information

None

New equipment description	N/A
Substation assumptions	N/A
Real-estate description	N/A
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	\$155,820,956.10
Component cost (in-service year)	\$166,884,243.98

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-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-W124	313399	6MARS	313805	6SHELLHORN1	1	230	345	Winter Gen Deliv	Included
2022W3-N1-ST25	314004	6ASHBURN	314010	6BEAMEAD	1	230/230	345/345	Summer N-1	Included
2022W3-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-N1-ST25	314290	6EDFERRY	313911	6TWINCREEKS	1	230/230	345/345	Summer N-1	Included
2022W3-LD-SNC21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S169	314006	6ASHBURA	314010	6BEAMEAD	1	230	345	Summer Gen Deliv	Included
2022W3-N1-ST25	314290	6EDFERRY	313911	6TWINCREEKS	1	230/230	345/345	Summer N-1	Included
2022W3-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-W42	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Winter Gen Deliv	Included
2022W3-GD-W12	313393	8MARS	313399	6MARS	1	500/230	345	Winter Gen Deliv	Included
2022W3-LD-SNC21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-W43	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Winter Gen Deliv	Included
2022W3-LD-SNC21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-N1-ST9	314009	6BRADOCK	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S165	814084	6SULLY	314035	6DISCOVR	1	230	345	Summer Gen Deliv	Included
2022W3-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-N1-ST8	314009	6BRADOCK	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-LD-SNC11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-N1-ST9	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST2	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Summer N-1 Thermal	Included
2022W3-GD-S169	314290	6EDFERRY	313911	6TWINCREEKS	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S177	314197	6LDYSMITH CT	313837	6SUMMIT	1	230	345	Summer Gen Deliv	Included
2022W3-GD-W13	313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Winter Gen Deliv	Included
2022W3-GD-W4	314939	8GOOSE CREEK	313904	6GOOSECRK	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-W1388	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-W822	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Winter Gen Deliv	Included
2022W3-GD_L3103	14820	6BALLSTN	314120	6CLRNDNC	1	230/230	345/345	Light Load Gen Deliv	Included
2022W3-GD-S1700	13393	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-S2019	14041	6GLEBE	314185	6RADNOR	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1703	13393	8MARS	313399	6MARS	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S1779	13393	8MARS	313399	6MARS	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-W1393	14749	6CHARLVL	314772	6PROFFIT	1	230	345	Winter Gen Deliv	Included
2022W3-GD_117	314290	6EDFERRY	313911	6TWINCREEKS	1	230	345	Light Load Gen Deliv	Included
2022W3-GD-S1780	14901	8BATH CO	314991	8VALLEY SC	1	500	345	Summer Gen Deliv	Included
2022W3-GD-W1367	14041	6GLEBE	314185	6RADNOR	1	230	345	Winter Gen Deliv	Included
2022W3-GD-W1333	14916	8MORRSVL	313440	8VINTHIL	1	500	345	Winter Gen Deliv	Included
2022W3-N1-WNC57	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST107	14006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC58	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST108	13752	6TAKEOFF	313774	6LINC PRK	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC59	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC60	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST99	313399	6MARS	313746	6SOJOURNER	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-GD-S1698	14290	6EDFERRY	313911	6TWINCREEKS	1	230	345	Summer Gen Deliv	Included
2022W3-N1-WNC51	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S1663	14916	8MORRSVL	313440	8VINTHIL	1	500	345	Summer Gen Deliv	Included
2022W3-N1-WNC52	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S1665	14916	8MORRSVL	313440	8VINTHIL	1	500	345	Summer Gen Deliv	Included
2022W3-N1-WNC53	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC54	A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2022W3-N1-WNC55A		N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S83	314041	6GLEBE	314185	6RADNOR	1	230	345	Summer Gen Deliv	Included
2022W3-N1-WNC56A		N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S1703	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S1783	314039	6GALLOWA	314052	6IDYLWOD	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1705	314072	6PL VIEW	314004	6ASHBURN	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1787	314925	8PL VIEW	314072	6PL VIEW	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S1708	314009	6BRADOCK	314052	6IDYLWOD	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1788	314916	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-ST239	314290	6EDFERRY	313911	6TWINCREEKS	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-GD_L3593	314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Light Load Gen Deliv	Included
2022W3-GD_L2763	314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Light Load Gen Deliv	Included
2022W3-GD-W829	314041	6GLEBE	314185	6RADNOR	1	230	345	Winter Gen Deliv	Included
2022W3-GD-S1782	314991	8VALLEY SC	314926	8VALLEY	1	500	345	Summer Gen Deliv	Included
2022W3-N1-ST238	314290	6EDFERRY	313911	6TWINCREEKS	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC68A		N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC69A		N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC70A		N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S1783	314734	6CASHSCORNER	314758	6GORDNVL	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1703	314035	6DISCOVR	313774	6LINC PRK	1	230	345	Summer Gen Deliv	Included
2022W3-N1-ST110	313399	6MARS	313746	6SOJOURNER	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC61A		N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S88	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Summer Gen Deliv	Included
2022W3-N1-ST111	314006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC62A		N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S89	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Summer Gen Deliv	Included
2022W3-N1-ST112	314009	6BRADOCK	314052	6IDYLWOD	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-N1-WNC03A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S167014749	6CHARLVL	6CHARLVL	314772	6PROFFIT	1	230	345	Summer Gen Deliv	Included
2022W3-N1-WNC04A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST114314039	6GALLOWS A	6GALLOWS A	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST23514004	6ASHBURN	6ASHBURN	314010	6BEAMEAD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC05A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST11514068	6OX	6OX	314039	6GALLOWS A	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC06A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC07A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S171214939	8GOOSE CREEK	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-W591313393	8MARS	8MARS	313399	6MARS	1	500/230	345	Winter Gen Deliv	Included
2022W3-GD-S165314939	8GOOSE CREEK	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S333314010	6BEAMEAD	6BEAMEAD	313743	6INTERCONNEC	1	230	345	Summer Gen Deliv	Included
2022W3-GD-W601313393	8MARS	8MARS	313399	6MARS	1	500/230	345	Winter Gen Deliv	Included
2022W3-GD-S204314939	8GOOSE CREEK	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S179713746	6SOJOURNER	6SOJOURNER	313822	6RUNWAY	1	230	345	Summer Gen Deliv	Included
2022W3-GD_L360314041	6GLEBE	6GLEBE	314185	6RADNOR	1	230/230	345/345	Light Load Gen Deliv	Included
2022W3-N1-SNC6N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-SNC7N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-ST13014006	6ASHBURA	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-SNC8N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-GD-W840314939	8GOOSE CREEK	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Winter Gen Deliv	Included
2022W3-GD-W137014939	8GOOSE CREEK	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Winter Gen Deliv	Included
2022W3-N1-WT13813904	6GOOSECRK	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WT13913904	6GOOSECRK	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WT14013752	6TAKEOFF	6TAKEOFF	313774	6LINC PRK	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WNC9N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST12814004	6ASHBURN	6ASHBURN	314010	6BEAMEAD	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-N1-ST242	313815	6SPRINGH	314079	6RESTON	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WT132	314006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-ST123	313815	6SPRINGH	314079	6RESTON	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST243	313805	6SHELLHORN1	313841	6ENTERPRIS	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-GD-S1676	313904	6GOOSECRK	314006	6ASHBURA	1	230	345	Summer Gen Deliv	Included
2022W3-N1-WT133	313904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-SNC1N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-WT133	313399	6MARS	313746	6SOJOURNER	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-SNC2N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-ST125	314006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-SNC3N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-ST126	314068	6OX	314039	6GALLOWS A	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-SNC4N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-SNC5N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-GD-S2103	314039	6GALLOWS A	314052	6IDYLWOD	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1803	314934	8SPOTSYL	314916	8MORRSVL	1	500	345	Summer Gen Deliv	Included
2022W3-GD-S1722	313399	6MARS	313805	6SHELLHORN1	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1798	13859	6BELMONT	314072	6PL VIEW	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S1799	14749	6CHARLVL	314772	6PROFFIT	1	230	345	Summer Gen Deliv	Included
2022W3-N1-ST133	314006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-SNC9N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-ST132	314035	6DISCOVR	313774	6LINC PRK	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-SNC10N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
2022W3-N1-SNC11N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Summer N-1 Non Converge	Included
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-ST17	314084	6SULLY	314035	6DISCOVR	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_L269314820	6314820	6BALLSTN	314120	6CLRNDNC	1	230/230	345/345	Light Load Gen Deliv	Included
2022W3-N1-ST149314009	6314009	6BRADOCK	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-GD_L309314820	6314820	6BALLSTN	314120	6CLRNDNC	1	230/230	345/345	Light Load Gen Deliv	Included
2022W3-N1-ST150314009	6314009	6BRADOCK	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WT16314006	6314006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-ST31313399	6313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-GD-S180313393	6313393	8MARS	313399	6MARS	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S180513837	6313837	6SUMMIT	314138	6MINE RD	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S172513815	6313815	6SPRINGH	314079	6RESTON	1	230	345	Summer Gen Deliv	Included
2022W3-GD-S347313440	6313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Summer Gen Deliv	Included
2022W3-N1-WT16314006	6314006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WT40313399	6313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WT15314006	6314006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-ST26314010	6314010	6BEAMEAD	313743	6INTERCONN	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST147314068	6314068	6OX	314039	6GALLOWS A	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST27314041	6314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST14813805	6313805	6SHELLHORN1	314098	6GREENWAY1	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST28314041	6314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST16314072	6314072	6PL VIEW	314004	6ASHBURN	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST16314072	6314072	6PL VIEW	314004	6ASHBURN	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-LLT 2314041	6314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Light Load N-1	Included
2022W3-GD-S200314939	6314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-N1-LLT 2314041	6314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Light Load N-1	Included
2022W3-N1-LLT 2314041	6314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Light Load N-1	Included
2022W3-N1-ST36313904	6313904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WT16314068	6314068	6OX	314039	6GALLOWS A	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-ST38314084	6314084	6SULLY	314035	6DISCOVR	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-GD-S173813399	6313399	6MARS	313746	6SOJOURNER	1	230	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-LD-SNC2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-LD-SNC1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	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-LD-SNC4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S1739	14916	8MORRSVL	313440	8VINTHIL	1	500	345	Summer Gen Deliv	Included
2022W3-N1-ST49	314035	6DISCOVER	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-LD-SNC3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-N1-ST173	14039	6GALLOWS A	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-LD-SNC5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-N1-ST173	13743	6INTERCONNEC	313733	6NIMBUS	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST173	14039	6GALLOWS A	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	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-W143	13399	6MARS	313746	6SOJOURNER	1	230	345	Winter Gen Deliv	Included
2022W3-N1-WT55	13904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-GD-W133	13440	8VINTHIL	314913	8LOUDOUN	1	500	345	Winter Gen Deliv	Included
2022W3-N1-WT57	14010	6BEAMEAD	313743	6INTERCONNEC	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WT173	14004	6ASHBURN	314010	6BEAMEAD	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-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

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST61	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WT7431	414006	6ASHBURA	314010	6BEAMEAD	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-LD-ST9	314290	6EDFERRY	313911	6TWINCREEKS	1	230/230	345/345	Load Deliverability	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST55	313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST176	314072	6PL VIEW	314004	6ASHBURN	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W168	314004	6ASHBURN	314010	6BEAMEAD	1	230	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W140	313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-LLT31	314820	6BALLSTN	314120	6CLRNDNC	1	230/230	345/345	Light Load N-1	Included
2022W3-N1-LLT33	314820	6BALLSTN	314120	6CLRNDNC	1	230/230	345/345	Light Load N-1	Included
2022W3-N1-LLT32	314820	6BALLSTN	314120	6CLRNDNC	1	230/230	345/345	Light Load N-1	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2022W3-N1-ST66	314009	6BRADOCK	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W99	242701	05LEESVI	314667	4ALTVSTA	1	138	205/345	Winter Gen Deliv	Included
2022W3-N1-ST67	313904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST68	314072	6PL VIEW	314004	6ASHBURN	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W99	242701	05LEESVI	314667	4ALTVSTA	1	138	205/345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WT9	2314072	6PL VIEW	314004	6ASHBURN	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S18	1313805	6SHELLHORN1	313841	6ENTERPRIS	1	230	345	Summer Gen Deliv	Included
2022W3-N1-WT9	4313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W19	2313805	6SHELLHORN1	314098	6GREENWAY1	1	230	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W88	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-ST77	313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W75	313399	6MARS	313805	6SHELLHORN1	1	230	345	Winter Gen Deliv	Included
2022W3-N1-ST78	313904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W87	314939	8GOOSE CREEK	313904	6GOOSECRK	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-W189	314991	8VALLEY SC	314926	8VALLEY	1	500	345	Winter Gen Deliv	Included
2022W3-N1-WT89	313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W76	313904	6GOOSECRK	314006	6ASHBURA	1	230	345	Winter Gen Deliv	Included
2022W3-GD-W10	313440	8VINTHIL	314125	6VINTHIL	2	500/230	345	Winter Gen Deliv	Included
2022W3-GD-W77	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Winter Gen Deliv	Included
2022W3-GD-W87	313393	8MARS	313399	6MARS	1	500/230	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W15	313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W79	314290	6EDFERRY	313911	6TWINCREEKS	1	230	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-W79	314290	6EDFERRY	313911	6TWINCREEKS	1	230	345	Winter Gen Deliv	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S18	314918	8NO ANNA	314911	8LADYSMITH	1	500	345	Summer Gen Deliv	Included
2022W3-N1-WT9	313904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WNC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-N1-WT1	313904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-GD-S18	314068	6OX	314039	6GALLOWS A	1	230	345	Summer Gen Deliv	Included
2022W3-GD-W89	313393	8MARS	313399	6MARS	1	500/230	345	Winter Gen Deliv	Included
2022W3-GD-S38	4314138	6MINE RD	314137	6FREDBRG	1	230	345	Summer Gen Deliv	Included
2022W3-GD-W89	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-W94	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Winter Gen Deliv	Included
2022W3-N1-WNC49A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	Included
2022W3-GD-S1820	313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Summer Gen Deliv	Included
2022W3-GD-W92	314006	6ASHBURA	314010	6BEAMEAD	1	230	345	Winter Gen Deliv	Included
2022W3-N1-WT109	313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-N1-WNC50A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Winter N-1 Non Converge	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-LD-ST24	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Load Deliverability	Included
2022W3-GD-W125	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
2022W3-GD-W141	313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Winter Gen Deliv	Included
2022W3-GD-S1763	314068	6OX	314039	6GALLOWS A	1	230	345	Summer Gen Deliv	Included
2022W3-LD-ST25	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Load Deliverability	Included
2022W3-GD-W130	313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Winter Gen Deliv	Included
2022W3-GD-S1680	314925	8PL VIEW	314072	6PL VIEW	1	500/230	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-LD-ST28	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Load Deliverability	Included
2022W3-GD-S168	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-W136	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-ST19	314009	6BRADOCK	314052	6IDYLWOD	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST19	313746	6SOJOURNER	313822	6RUNWAY	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-GD-W78	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-S168	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Summer Gen Deliv	Included
2022W3-GD-S176	313805	6SHELLHORN1	314098	6GREENWAY1	1	230	345	Summer Gen Deliv	Included
2022W3-N1-WT25	314041	6GLEBE	314185	6RADNOR	1	230/230	345/345	Winter N-1 Thermal	Included
2022W3-LD-SNC7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S176	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S121	314290	6EDFERRY	313911	6TWINCREEKS	1	230	345	Summer Gen Deliv	Included
2022W3-LD-SNC6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S141	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-LD-SNC9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S176	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-LD-SNC8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-LD-SNC1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S176	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-GD-S146	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345	Summer Gen Deliv	Included
2022W3-LD-SNC1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Load Deliverability	Included
2022W3-GD-S201	314916	8MORRSVL	313440	8VINTHIL	1	500	345	Summer Gen Deliv	Included
2022W3-N1-ST85	313399	6MARS	313805	6SHELLHORN1	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST20	313399	6MARS	313746	6SOJOURNER	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

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2022W3-N1-ST207	314004	6ASHBURN	314010	6BEAMEAD	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
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-LD-ST29	314072	6PL VIEW	314004	6ASHBURN	1	230/230	345/345	Load Deliverability	Included
2022W3-GD-W31	313440	8VINTHIL	314913	8LOUDOUN	1	500	345	Winter Gen Deliv	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-N1-ST81	314068	6OX	314039	6GALLOWS A	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-LD-ST33	314004	6ASHBURN	314010	6BEAMEAD	1	230/230	345/345	Load Deliverability	Included
2022W3-N1-ST83	313904	6GOOSECRK	314006	6ASHBURA	1	230/230	345/345	Summer N-1 Thermal	Included
2022W3-N1-ST254	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Summer N-1	Included
2022W3-N1-ST255	314939	8GOOSE CREEK	313904	6GOOSECRK	1	500/230	345/345	Summer N-1	Included

New Flowgates

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

Financial Information

Capital spend start date 12/2024

Construction start date 12/2025

Project Duration (In Months) 36

Additional Comments

None