

# Dickerson H 230kV Caps

## General Information

Proposing entity name	PEPCO
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Yes
Company proposal ID	PEP 2024 W1-132
PJM Proposal ID	132
Project title	Dickerson H 230kV Caps
Project description	Installation of two (2) new 200MVAR 230kV Capacitor Banks at Dickerson H substation
Email	Proprietary Information
Project in-service date	12/2030
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	Proprietary Information

## Project Components

### 1. Dickerson H Capacitors

#### Substation Upgrade Component

Component title	Dickerson H Capacitors
Project description	Installation of two (2) new 200MVAR 230kV Capacitor Banks in PEPCO's Dickerson H Substation. Each new 230kV 200MVAR Capacitor Bank will be installed and connected via a new 230kV circuit breaker to Bus No.1 and Bus No. 2 respectively.

Substation name	Dickerson H
Substation zone	233
Substation upgrade scope	Add 2 - 200MVAR Capacitors with associated terminal equipment (400 MVAR Total) at Dickerson H substation.
<b>Transformer Information</b>	
None	
New equipment description	2 - Capacitor Bank 200MVAR, 3000A, 230kV 2 - Circuit Breaker 3000A, 63kA, 230kV 2 - Disconnect Switches 3000A. 230kV
Substation assumptions	Assumed to be constructed within the existing substation footprint.
Real-estate description	
Construction responsibility	Proprietary Information
Benefits/Comments	Proprietary Information
Component Cost Details - In Current Year \$	
Engineering & design	Proprietary Information
Permitting / routing / siting	Proprietary Information
ROW / land acquisition	Proprietary Information
Materials & equipment	Proprietary Information
Construction & commissioning	Proprietary Information
Construction management	Proprietary Information
Overheads & miscellaneous costs	Proprietary Information
Contingency	Proprietary Information
Total component cost	\$12,423,543.50
Component cost (in-service year)	\$13,592,763.33

## 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
2024W1N1SVM1108	223939	QUINC032	223939	QUINC032	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM988	223963	METZ 047	223963	METZ 047	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1109	223939	QUINC032	223939	QUINC032	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM870	226828	BRG230 2B	226828	BRG230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM991	223960	BRG 1T 230	223960	BRG 1T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1112	223938	DICKH230	223938	DICKH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM871	226827	BRG230 1B	226827	BRG230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM992	223960	BRG 1T 230	223960	BRG 1T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1113	223938	DICKH230	223938	DICKH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM868	226828	BRG230 2B	226828	BRG230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM989	223962	BURT2334	223962	BURT2334	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1110	223938	DICKH230	223938	DICKH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM869	226828	BRG230 2B	226828	BRG230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM990	223961	BURT2314	223961	BURT2314	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1111	223938	DICKH230	223938	DICKH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM984	223965	METZ 040	223965	METZ 040	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1105	223939	QUINC032	223939	QUINC032	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM985	223964	METZ 046	223964	METZ 046	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1106	223939	QUINC032	223939	QUINC032	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM982	223970	TAK 230	223970	TAK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1103	223939	QUINC032	223939	QUINC032	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM983	223966	METZ 041	223966	METZ 041	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1104	223939	QUINC032	223939	QUINC032	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM986	223963	METZ 047	223963	METZ 047	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1107	223939	QUINC032	223939	QUINC032	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM987	223963	METZ 047	223963	METZ 047	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM998	223958	NORBK010	223958	NORBK010	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1119	223937	DICK 230	223937	DICK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM878	224629	BURT230 1B	224629	BURT230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM999	223958	NORBK010	223958	NORBK010	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1120	223937	DICK 230	223937	DICK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1118	223937	DICK 230	223937	DICK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM881	224626	BURT230 2B	224626	BURT230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1002	223958	NORBK010	223958	NORBK010	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1123	223937	DICK 230	223937	DICK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM882	224617	WATER230	224617	WATER230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1003	223958	NORBK010	223958	NORBK010	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM879	224628	BURT230 3B	224628	BURT230 3B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1000	223958	NORBK010	223958	NORBK010	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1121	223937	DICK 230	223937	DICK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM880	224627	BURT230 4B	224627	BURT230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1001	223958	NORBK010	223958	NORBK010	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1122	223937	DICK 230	223937	DICK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM874	226827	BRG230 1B	226827	BRG230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM995	223960	BRG 1T 230	223960	BRG 1T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1116	223938	DICKH230	223938	DICKH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM875	226827	BRG230 1B	226827	BRG230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM996	223960	BRG 1T 230	223960	BRG 1T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1117	223937	DICK 230	223937	DICK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM872	226827	BRG230 1B	226827	BRG230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM993	223960	BRG 1T 230	223960	BRG 1T 230	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM1114	223938	DICKH230	223938	DICKH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM873	226827	BRG230 1B	226827	BRG230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM994	223960	BRG 1T 230	223960	BRG 1T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1115	223938	DICKH230	223938	DICKH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM876	226827	BRG230 1B	226827	BRG230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM997	223960	BRG 1T 230	223960	BRG 1T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM877	226827	BRG230 1B	226827	BRG230 1B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM888	224617	WATER230	224617	WATER230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1009	223957	NORBK011	223957	NORBK011	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM889	224058	BRG 3T 230	224058	BRG 3T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1010	223957	NORBK011	223957	NORBK011	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1008	223957	NORBK011	223957	NORBK011	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM892	224058	BRG 3T 230	224058	BRG 3T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1013	223956	NORBK009	223956	NORBK009	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM893	224058	BRG 3T 230	224058	BRG 3T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1014	223956	NORBK009	223956	NORBK009	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM890	224058	BRG 3T 230	224058	BRG 3T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1011	223957	NORBK011	223957	NORBK011	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM891	224058	BRG 3T 230	224058	BRG 3T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1012	223956	NORBK009	223956	NORBK009	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM885	224617	WATER230	224617	WATER230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1006	223957	NORBK011	223957	NORBK011	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM886	224617	WATER230	224617	WATER230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1007	223957	NORBK011	223957	NORBK011	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM883	224617	WATER230	224617	WATER230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1004	223958	NORBK010	223958	NORBK010	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM884	224617	WATER230	224617	WATER230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1005	223957	NORBK011	223957	NORBK011	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM887	224617	WATER230	224617	WATER230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM899	224019	BUZZ T14	224019	BUZZ T14	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1020	223955	NORBK008	223955	NORBK008	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM900	224019	BUZZ T14	224019	BUZZ T14	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1021	223955	NORBK008	223955	NORBK008	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1018	223956	NORBK009	223956	NORBK009	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM898	224019	BUZZ T14	224019	BUZZ T14	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1019	223955	NORBK008	223955	NORBK008	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM903	224013	BUZZ T7	224013	BUZZ T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1024	223955	NORBK008	223955	NORBK008	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM904	224013	BUZZ T7	224013	BUZZ T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1025	223955	NORBK008	223955	NORBK008	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM901	224019	BUZZ T14	224019	BUZZ T14	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1022	223955	NORBK008	223955	NORBK008	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM902	224019	BUZZ T14	224019	BUZZ T14	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1023	223955	NORBK008	223955	NORBK008	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM896	224019	BUZZ T14	224019	BUZZ T14	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1017	223956	NORBK009	223956	NORBK009	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM897	224019	BUZZ T14	224019	BUZZ T14	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM894	224058	BRG 3T 230	224058	BRG 3T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1015	223956	NORBK009	223956	NORBK009	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM895	224058	BRG 3T 230	224058	BRG 3T 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1016	223956	NORBK009	223956	NORBK009	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM789	223900	BRGHT-STCM	223900	BRGHT-STCM	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM910	224012	BUZZ 026	224012	BUZZ 026	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1031	223954	MZION024	223954	MZION024	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM790	223900	BRGHT-STCM	223900	BRGHT-STCM	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM911	224012	BUZZ 026	224012	BUZZ 026	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM1032	223954	MZION024	223954	MZION024	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM908	224013	BUZZ T7	224013	BUZZ T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1029	223954	MZION024	223954	MZION024	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM788	223900	BRGHT-STCM	223900	BRGHT-STCM	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM909	224013	BUZZ T7	224013	BUZZ T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1030	223954	MZION024	223954	MZION024	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM793	200302	X4-035 GSU	200302	X4-035 GSU	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM914	224012	BUZZ 026	224012	BUZZ 026	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1035	223953	MZION025	223953	MZION025	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM794	200302	X4-035 GSU	200302	X4-035 GSU	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM915	224012	BUZZ 026	224012	BUZZ 026	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1036	223953	MZION025	223953	MZION025	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM791	223900	BRGHT-STCM	223900	BRGHT-STCM	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM912	224012	BUZZ 026	224012	BUZZ 026	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1033	223953	MZION025	223953	MZION025	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM792	200302	X4-035 GSU	200302	X4-035 GSU	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM913	224012	BUZZ 026	224012	BUZZ 026	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1034	223953	MZION025	223953	MZION025	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1028	223954	MZION024	223954	MZION024	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM786	223900	BRGHT-STCM	223900	BRGHT-STCM	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM907	224013	BUZZ T7	224013	BUZZ T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM787	223900	BRGHT-STCM	223900	BRGHT-STCM	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM905	224013	BUZZ T7	224013	BUZZ T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1026	223954	MZION024	223954	MZION024	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM785	223900	BRGHT-STCM	223900	BRGHT-STCM	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM906	224013	BUZZ T7	224013	BUZZ T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1027	223954	MZION024	223954	MZION024	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM800	200301	X4-035 TAP	200301	X4-035 TAP	1	500	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM921	224009	ALA 088	224009	ALA 088	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1042	223952	MZION023	223952	MZION023	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM801	200301	X4-035 TAP	200301	X4-035 TAP	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM922	224009	ALA 088	224009	ALA 088	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1043	223952	MZION023	223952	MZION023	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM798	200302	X4-035 GSU	200302	X4-035 GSU	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM919	224011	BUZZ 027	224011	BUZZ 027	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1040	223952	MZION023	223952	MZION023	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM799	200301	X4-035 TAP	200301	X4-035 TAP	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM920	224009	ALA 088	224009	ALA 088	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1041	223952	MZION023	223952	MZION023	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM804	200301	X4-035 TAP	200301	X4-035 TAP	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM925	224008	ALA 089	224008	ALA 089	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1046	223952	MZION023	223952	MZION023	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM805	200301	X4-035 TAP	200301	X4-035 TAP	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM926	224008	ALA 089	224008	ALA 089	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1047	223951	MZION022	223951	MZION022	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM802	200301	X4-035 TAP	200301	X4-035 TAP	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM923	224008	ALA 089	224008	ALA 089	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1044	223952	MZION023	223952	MZION023	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM803	200301	X4-035 TAP	200301	X4-035 TAP	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM924	224008	ALA 089	224008	ALA 089	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1045	223952	MZION023	223952	MZION023	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1038	223953	MZION025	223953	MZION025	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM918	224011	BUZZ 027	224011	BUZZ 027	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1039	223953	MZION025	223953	MZION025	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM797	200302	X4-035 GSU	200302	X4-035 GSU	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM795	200302	X4-035 GSU	200302	X4-035 GSU	1	500	233	Summer Voltage Magnitude	Included



FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM916	224012	BUZZ 026	224012	BUZZ 026	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1037	223953	MZION025	223953	MZION025	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM796	200302	X4-035 GSU	200302	X4-035 GSU	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM917	224011	BUZZ 027	224011	BUZZ 027	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM811	200019	BURCHES	200019	BURCHES	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM932	224005	C23069T7	224005	C23069T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1053	223951	MZION022	223951	MZION022	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM812	200019	BURCHES	200019	BURCHES	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM933	224005	C23069T7	224005	C23069T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1054	223947	BML029	223947	BML029	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM809	200019	BURCHES	200019	BURCHES	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM930	224005	C23069T7	224005	C23069T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1051	223951	MZION022	223951	MZION022	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM810	200019	BURCHES	200019	BURCHES	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM931	224005	C23069T7	224005	C23069T7	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1052	223951	MZION022	223951	MZION022	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM815	200018	CHALK PT	200018	CHALK PT	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM936	224003	C23069T9	224003	C23069T9	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1057	223947	BML029	223947	BML029	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM816	200018	CHALK PT	200018	CHALK PT	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM937	224003	C23069T9	224003	C23069T9	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM813	200018	CHALK PT	200018	CHALK PT	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM934	224004	C23069T6	224004	C23069T6	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1055	223947	BML029	223947	BML029	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM814	200018	CHALK PT	200018	CHALK PT	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM935	224004	C23069T6	224004	C23069T6	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1056	223947	BML029	223947	BML029	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM928	224008	ALA 089	224008	ALA 089	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM1049	223951	MZION022	223951	MZION022	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM808	200019	BURCHES	200019	BURCHES	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM929	224008	ALA 089	224008	ALA 089	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1050	223951	MZION022	223951	MZION022	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1048	223951	MZION022	223951	MZION022	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM806	200019	BURCHES	200019	BURCHES	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM927	224008	ALA 089	224008	ALA 089	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM807	200019	BURCHES	200019	BURCHES	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM822	200003	BRIGHTON	200003	BRIGHTON	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM943	224002	C23069T8	224002	C23069T8	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1064	223946	BML030	223946	BML030	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM823	200003	BRIGHTON	200003	BRIGHTON	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM944	224002	C23069T8	224002	C23069T8	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1065	223946	BML030	223946	BML030	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM820	200003	BRIGHTON	200003	BRIGHTON	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM941	224003	C23069T9	224003	C23069T9	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1062	223946	BML030	223946	BML030	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM821	200003	BRIGHTON	200003	BRIGHTON	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM942	224003	C23069T9	224003	C23069T9	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1063	223946	BML030	223946	BML030	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM826	200003	BRIGHTON	200003	BRIGHTON	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM947	224001	BLU23107	224001	BLU23107	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM827	226909	NEW HRVD 230	226909	NEW HRVD 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM824	200003	BRIGHTON	200003	BRIGHTON	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM945	224002	C23069T8	224002	C23069T8	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1066	223946	BML030	223946	BML030	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM825	200003	BRIGHTON	200003	BRIGHTON	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM946	224002	C23069T8	224002	C23069T8	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM1067	223946	BML030	223946	BML030	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM818	200018	CHALK PT	200018	CHALK PT	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM939	224003	C23069T9	224003	C23069T9	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1060	223947	BML029	223947	BML029	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM819	200018	CHALK PT	200018	CHALK PT	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM940	224003	C23069T9	224003	C23069T9	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1061	223946	BML030	223946	BML030	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1058	223947	BML029	223947	BML029	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM938	224003	C23069T9	224003	C23069T9	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1059	223947	BML029	223947	BML029	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM817	200018	CHALK PT	200018	CHALK PT	1	500	233	Summer Voltage Magnitude	Included
2024W1N1SVM833	226909	NEW HRVD 230	226909	NEW HRVD 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM954	224000	BLU23106	224000	BLU23106	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM834	226907	WATER-PS2	226907	WATER-PS2	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM955	223998	PALM093	223998	PALM093	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM831	226909	NEW HRVD 230	226909	NEW HRVD 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM952	224000	BLU23106	224000	BLU23106	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM832	226909	NEW HRVD 230	226909	NEW HRVD 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM953	224000	BLU23106	224000	BLU23106	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM837	226900	MT VERN 230	226900	MT VERN 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM835	226906	WATER-PS1	226906	WATER-PS1	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM956	223998	PALM093	223998	PALM093	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM836	226900	MT VERN 230	226900	MT VERN 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM957	223998	PALM093	223998	PALM093	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM829	226909	NEW HRVD 230	226909	NEW HRVD 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM950	224001	BLU23107	224001	BLU23107	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM830	226909	NEW HRVD 230	226909	NEW HRVD 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM951	224000	BLU23106	224000	BLU23106	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM948	224001	BLU23107	224001	BLU23107	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM828	226909	NEW HRVD 230	226909	NEW HRVD 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM949	224001	BLU23107	224001	BLU23107	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM844	226891	S-002	226891	S-002	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM965	223996	PALM092	223996	PALM092	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM845	226891	S-002	226891	S-002	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM966	223996	PALM092	223996	PALM092	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM842	226900	MT VERN 230	226900	MT VERN 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM963	223997	PALM091	223997	PALM091	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM843	226891	S-002	226891	S-002	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM964	223997	PALM091	223997	PALM091	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM846	226891	S-002	226891	S-002	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM967	223996	PALM092	223996	PALM092	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM847	226891	S-002	226891	S-002	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM958	223998	PALM093	223998	PALM093	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM840	226900	MT VERN 230	226900	MT VERN 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM961	223998	PALM093	223998	PALM093	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM841	226900	MT VERN 230	226900	MT VERN 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM962	223997	PALM091	223997	PALM091	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM838	226900	MT VERN 230	226900	MT VERN 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM959	223998	PALM093	223998	PALM093	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM839	226900	MT VERN 230	226900	MT VERN 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM960	223998	PALM093	223998	PALM093	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM855	226830	BRG230 4B	226830	BRG230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM856	226830	BRG230 4B	226830	BRG230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM853	226830	BRG230 4B	226830	BRG230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM854	226830	BRG230 4B	226830	BRG230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM857	226829	BRG230 3B	226829	BRG230 3B	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM848	226891	S-002	226891	S-002	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM851	226830	BRG230 4B	226830	BRG230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM852	226830	BRG230 4B	226830	BRG230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM849	226891	S-002	226891	S-002	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM850	226830	BRG230 4B	226830	BRG230 4B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM866	226828	BRG230 2B	226828	BRG230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM867	226828	BRG230 2B	226828	BRG230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM864	226828	BRG230 2B	226828	BRG230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM865	226828	BRG230 2B	226828	BRG230 2B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM858	226829	BRG230 3B	226829	BRG230 3B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM859	226829	BRG230 3B	226829	BRG230 3B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM862	226829	BRG230 3B	226829	BRG230 3B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM863	226829	BRG230 3B	226829	BRG230 3B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM860	226829	BRG230 3B	226829	BRG230 3B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM861	226829	BRG230 3B	226829	BRG230 3B	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1068	223945	BML028	223945	BML028	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1069	223945	BML028	223945	BML028	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1079	223944	BML031	223944	BML031	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1080	223944	BML031	223944	BML031	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1078	223944	BML031	223944	BML031	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1072	223945	BML028	223945	BML028	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1073	223945	BML028	223945	BML028	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1070	223945	BML028	223945	BML028	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1071	223945	BML028	223945	BML028	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1076	223944	BML031	223944	BML031	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1077	223944	BML031	223944	BML031	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1074	223945	BML028	223945	BML028	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1075	223944	BML031	223944	BML031	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM969	223995	PALM090	223995	PALM090	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1090	223941	QUINC033	223941	QUINC033	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM970	223994	BURCH230	223994	BURCH230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1091	223941	QUINC033	223941	QUINC033	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1088	223942	QUINC035	223942	QUINC035	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM968	223995	PALM090	223995	PALM090	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1089	223941	QUINC033	223941	QUINC033	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1083	223942	QUINC035	223942	QUINC035	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1084	223942	QUINC035	223942	QUINC035	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1081	223944	BML031	223944	BML031	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1082	223942	QUINC035	223942	QUINC035	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1087	223942	QUINC035	223942	QUINC035	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1085	223942	QUINC035	223942	QUINC035	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1086	223942	QUINC035	223942	QUINC035	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1098	223940	QUINC034	223940	QUINC034	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM980	223970	TAK 230	223970	TAK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1101	223940	QUINC034	223940	QUINC034	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM981	223970	TAK 230	223970	TAK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1102	223940	QUINC034	223940	QUINC034	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM978	223975	BLU23108	223975	BLU23108	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1099	223940	QUINC034	223940	QUINC034	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM979	223970	TAK 230	223970	TAK 230	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1100	223940	QUINC034	223940	QUINC034	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM973	223975	BLU23108	223975	BLU23108	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1094	223941	QUINC033	223941	QUINC033	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM974	223975	BLU23108	223975	BLU23108	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1095	223941	QUINC033	223941	QUINC033	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM971	223976	BLU23109	223976	BLU23109	1	230	233	Summer Voltage Magnitude	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1N1SVM1092	223941	QUINC033	223941	QUINC033	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM972	223975	BLU23108	223975	BLU23108	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1093	223941	QUINC033	223941	QUINC033	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM977	223975	BLU23108	223975	BLU23108	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM975	223975	BLU23108	223975	BLU23108	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1096	223940	QUINC034	223940	QUINC034	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM976	223975	BLU23108	223975	BLU23108	1	230	233	Summer Voltage Magnitude	Included
2024W1N1SVM1097	223940	QUINC034	223940	QUINC034	1	230	233	Summer Voltage Magnitude	Included

## New Flowgates

None

## Financial Information

Capital spend start date 01/2025

Construction start date 01/2028

Project Duration (In Months) 71

## Additional Comments

None