

Constitution-Concord 110567/110568 Re-conductor - Partial 110563/110564 Re-conductor

General Information

Proposing entity name	BGETO
Company proposal ID	D
PJM Proposal ID	420
Project title	Constitution-Concord 110567/110568 Re-conductor - Partial 110563/110564 Re-conductor
Project description	Re-conductor Constitution-Concord Street Circuits 110567/110568, Re-conductor partial 110563/110564 circuits
Project in-service date	06/2024
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	Confidential BGE Sensitive Information

Project Components

1. Constitution Street-Concord Street 110567 Re-conductor
2. Constitution Street-Concord Street 110568
3. Constitution Street-Concord Street 110563 Partial Reconductor
4. Constitution Street-Concord Street 110564 Partial Reconductor

Transmission Line Upgrade Component

Component title	Constitution Street-Concord Street 110567 Re-conductor
Impacted transmission line	Constitution Street-Concord Street 110567

Point A	Constitution Street
Point B	Concord Street
Point C	
Terrain description	Baltimore City UG Duct (Existing)

Existing Line Physical Characteristics

Operating voltage	115
Conductor size and type	1650 kcmil Al/1750 kcmil Cu
Hardware plan description	NA
Tower line characteristics	NA

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	115.000000	115.000000
	Normal ratings	Emergency ratings
Summer (MVA)	198.000000	198.000000
Winter (MVA)	246.000000	246.000000
Conductor size and type	3500 kcmil Cu	
Shield wire size and type	NA	
Rebuild line length	0.95 Miles	
Rebuild portion description	0.95 Miles Re-conductor of UG cables in existing duct within existing pipes	
Right of way	NA	
Construction responsibility	BGE	

Additional comments

Confidential BGE Sensitive Information

Component Cost Details - In Current Year \$

Engineering & design

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Permitting / routing / siting

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

ROW / land acquisition

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Materials & equipment

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Construction & commissioning

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Construction management

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Overheads & miscellaneous costs

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Contingency

Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Total component cost

\$5,471,250.81

Component cost (in-service year)

\$5,865,144.77

Transmission Line Upgrade Component

Component title

Constitution Street-Concord Street 110568

Impacted transmission line

Constitution Street-Concord Street 110568

Point A

Constitution Street

Point B

Concord Street

Point C

Terrain description Baltimore City UG Duct (Existing)

Existing Line Physical Characteristics

Operating voltage 115
Conductor size and type 1650 kcmil Al/1750 kcmil Cu
Hardware plan description NA
Tower line characteristics NA

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	115.000000	115.000000
	Normal ratings	Emergency ratings
Summer (MVA)	201.000000	205.000000
Winter (MVA)	250.000000	253.000000
Conductor size and type	3500 kcmil Cu	
Shield wire size and type	NA	
Rebuild line length	0.87 Miles	
Rebuild portion description	0.87 Miles Re-conductor of UG cables in existing duct within existing pipes	
Right of way	NA	
Construction responsibility	BGE	
Additional comments	Confidential BGE Sensitive Information	

Component Cost Details - In Current Year \$

Engineering & design Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Permitting / routing / siting	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
ROW / land acquisition	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Materials & equipment	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Construction & commissioning	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Construction management	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Overheads & miscellaneous costs	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Contingency	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Total component cost	\$5,190,639.86
Component cost (in-service year)	\$5,564,333.26

Transmission Line Upgrade Component

Component title	Constitution Street-Concord Street 110563 Partial Reconductor
Impacted transmission line	Constitution Street-Concord Street 110563
Point A	Concord Street
Point B	Monument Street
Point C	
Terrain description	Baltimore City UG Duct (Existing)

Existing Line Physical Characteristics

Operating voltage	115
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Conductor size and type	2000 kcmil Al UG Cable
Hardware plan description	NA
Tower line characteristics	NA

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	115.000000	115.000000
	Normal ratings	Emergency ratings
Summer (MVA)	137.000000	157.000000
Winter (MVA)	172.000000	193.000000
Conductor size and type	3500 kcmil Cu	
Shield wire size and type	NA	
Rebuild line length	0.19 Miles	
Rebuild portion description	0.19 Miles Re-conductor of UG cables in existing duct within existing pipes	
Right of way	NA	
Construction responsibility	BGE	
Additional comments	Confidential BGE Sensitive Information	

Component Cost Details - In Current Year \$

Engineering & design	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Permitting / routing / siting	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
ROW / land acquisition	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements

Materials & equipment	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Construction & commissioning	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Construction management	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Overheads & miscellaneous costs	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Contingency	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Total component cost	\$1,963,982.10
Component cost (in-service year)	\$2,105,395.65

Transmission Line Upgrade Component

Component title	Constitution Street-Concord Street 110564 Partial Reconductor
Impacted transmission line	Constitution Street-Concord Street 110564
Point A	Concord Street
Point B	Monument Street
Point C	
Terrain description	Baltimore City UG Duct (Existing)

Existing Line Physical Characteristics

Operating voltage	115
Conductor size and type	1650 kcmil Al UG Cable
Hardware plan description	NA
Tower line characteristics	NA

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	115.000000	115.000000
	Normal ratings	Emergency ratings
Summer (MVA)	121.000000	154.000000
Winter (MVA)	152.000000	191.000000
Conductor size and type	3500 kcmil Cu	
Shield wire size and type	NA	
Rebuild line length	0.36 Miles	
Rebuild portion description	0.36 Miles Re-conductor of UG cables in existing duct within existing pipes	
Right of way	NA	
Construction responsibility	BGE	
Additional comments	Confidential BGE Sensitive Information	
Component Cost Details - In Current Year \$		
Engineering & design	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements	
Permitting / routing / siting	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements	
ROW / land acquisition	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements	
Materials & equipment	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements	
Construction & commissioning	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements	

Construction management	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Overheads & miscellaneous costs	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Contingency	Confidential BGE Detailed Estimate Information Confidential to BGE Supply Chain/Vendor Agreements
Total component cost	\$2,104,361.23
Component cost (in-service year)	\$2,255,880.36

Congestion Drivers

None

Existing Flowgates

FG #	From Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type
GD-S483	221855	CONSTITUTION	221215	CONCRD62	1	115	232	Gen Deliv (Summer)
GD-S480	221855	CONSTITUTION	221214	CONCRD64	1	115	232	Gen Deliv (Summer)

New Flowgates

None

Financial Information

Capital spend start date	01/2021
Construction start date	03/2023
Project Duration (In Months)	41

Additional comments

None