

230kv Eagle Point - Penrose

General Information

Proposing entity name	CONFIDENTIAL
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	CONFIDENTIAL
Company proposal ID	CONFIDENTIAL
PJM Proposal ID	955
Project title	230kv Eagle Point - Penrose
Project description	Construct New 5.1-mile 230kV circuit from a new station near the existing Eagle Point station to the existing Penrose station.
Email	CONFIDENTIAL
Project in-service date	06/2029
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	CONFIDENTIAL

Project Components

1. 230kV New Eagle Point - Penrose
2. New Eagle Point Station
3. Penrose Station Upgrade
4. Gloucester Station Upgrade
5. Peltz Upgrade

- 6. Grays Ferry Upgrade
- 7. Eagle Point Upgrade
- 8. New Eagle Point to Gloucester Circuit
- 9. New Eagle Point to Thorofare
- 10. Eagle Point Gen Lead Line

Greenfield Transmission Line Component

Component title	230kV New Eagle Point - Penrose	
Project description	CONFIDENTIAL	
Point A	New Eagle Point 230kV Station	
Point B	Penrose 230kV Station	
Point C		
	Normal ratings	Emergency ratings
Summer (MVA)	798.000000	1297.000000
Winter (MVA)	798.000000	1297.000000
Conductor size and type	Twin bundled 1033 kcmil ACSS "Curlew" (OH); 2x5000 kcmil XLPE per phase (UG)	
Nominal voltage	AC	
Nominal voltage	230	
Line construction type	Overhead, Underground	

General route description	The new proposed 230kV circuit will be approximately 5.1 miles in length involving an underground section and an overhead section connecting the new Eagle Point Station in Westville, Gloucester County, New Jersey, to the existing PECO Penrose Station in the City of Philadelphia, PA. This new transmission line consists of approximately 1.5 miles of 230kV overhead transmission and approximately 3.6 miles underground 230kV XLPE transmission. The overhead portion of the route is from the new Eagle Point Station to the Horizontal Direction Drill (HDD) entry point for the Delaware crossing. The underground portion of the route is from the HDD crossing of the Delaware River through to the Penrose Station including the HDD crossing of the Schuylkill River. Much of the proposed cable route and station development is sited within former industrial properties, with the proposed HDD portions of the route being located in the Delaware River and the Schuylkill River. A portion of the proposed cable route and two (2) of the HDD-related work areas (exit and entry workspaces) are located within an existing federally owned Fort Mifflin Confined Disposal Facility (CDF). The proposal cost and modeling files included in the proposal are based on this route.
Terrain description	The terrestrial portion of the new 230-kV AC circuit will be installed, primarily in privately owned properties; requiring easements through this mostly flat ground.
Right-of-way width by segment	The Project proposes to utilize the following right-of-way widths: (1) 100' for overhead (OH) 230kV transmission lines (50' off the centerline, both sides); (2) 20' for underground (UG) duct banks.
Electrical transmission infrastructure crossings	There are no electrical transmission crossing in the proposed route.
Civil infrastructure/major waterway facility crossing plan	"Special Crossings - Along the cable routes, where open trenching or overhead transmission is not viable, special crossing techniques will be used to install the cable while minimizing environmental impacts. - Horizontal Directional Drilling (HDD): There will be two (2) major river crossings associated with this project: one under the Delaware River from the Eagle Point to Mud Island and a second under the Schuylkill River from Mud Island to the area near the PECO Substation. The Delaware River crossing will be approximately 9,000 feet long and the Schuylkill River crossing will be approximately 1,000 feet long. Each crossing will consist of two (2) HDDs to accommodate 36" pipe casings. Each 36" pipe casing will house conduits for three (3) single core 230kV, 5000kcmil, enamel-coated, copper conductor XLPE power cables and one (1) spare conduit, fiber optic communication cables for relay and protection, and piping required to install the thermal grouting following installation. HDD burial depths below the federally maintained navigable channels will comply with USACE requirements. PSEG has received proposals, including pricing, from multiple major HDD contractors confirming the feasibility of the HDDs for this project. - RR Crossings: The overhead portion of the new Eagle Point- Penrose circuit crosses a privately owned railroad, within the Sunoco property. The extensions of the Eagle Point - Thorofare and Eagle Point - Gloucester circuits, cross the same rail, but at a different location. "
Environmental impacts	Part of attached supporting documents.
Tower characteristics	Monopoles with conductors supported in a delta configuration are being proposed for the overhead segment. Refer to supporting documents.

Construction responsibility	CONFIDENTIAL
Benefits/Comments	CONFIDENTIAL
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL
Permitting / routing / siting	CONFIDENTIAL
ROW / land acquisition	CONFIDENTIAL
Materials & equipment	CONFIDENTIAL
Construction & commissioning	CONFIDENTIAL
Construction management	CONFIDENTIAL
Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$291,781,692.66
Component cost (in-service year)	\$324,178,233.57
Greenfield Substation Component	
Component title	New Eagle Point Station
Project description	CONFIDENTIAL
Substation name	New Eagle Point Station
Substation description	New 230kV (5) breaker ring bus substation
Nominal voltage	AC
Nominal voltage	230
Transformer Information	

Land acquisition plan

PSEG has identified several properties that are suitable for this proposed solution. The Project Team has initiated contact with the property owners and will continue to work to acquire site control in the event of award. The Project Team will work with impacted stakeholders, municipalities, and local authorities to obtain the necessary property rights to construct and maintain its facilities. PSEG is committed to a transparent, timely, and efficient land rights acquisition process for any site control required. PSEG intends to utilize the same land acquisition professionals from start to finish, ensuring landowners have the same team assigned to their negotiations throughout the process. PSEG will coordinate all outreach, real estate-related requests, and efforts to identify environmental and non-environmental conditions affecting the properties along the proposed Project route. Working collaboratively with our internal Outreach Team, PSE&G will coordinate stakeholder engagement and public outreach with land acquisition planning. This level of collaboration will help to ensure proactive and cohesive stakeholder communications in order to better serve landowners and impacted individuals and entities. PSEG contemplates the need for access roads and areas, as part of any lands to be acquired. As part of its facilities construction, PSEG also contemplates the need for temporary staging areas and laydown sites to help facilitate construction. PSEG has extensive experience coordinating complex construction projects and will work to leverage that experience to execute this Project efficiently from a cost, impact, and timing perspective. The Project Team is confident that its experience in real estate negotiations and acquisitions will yield site control and ensure that the Project will be buildable in the event of award

Construction responsibility

CONFIDENTIAL

Benefits/Comments

CONFIDENTIAL

Component Cost Details - In Current Year \$

Engineering & design

CONFIDENTIAL

Permitting / routing / siting

CONFIDENTIAL

ROW / land acquisition

CONFIDENTIAL

Materials & equipment

CONFIDENTIAL

Construction & commissioning

CONFIDENTIAL

Construction management

CONFIDENTIAL

Overheads & miscellaneous costs

CONFIDENTIAL

Contingency

CONFIDENTIAL

Total component cost

\$37,080,284.42

Component cost (in-service year)	\$41,197,310.89
Substation Upgrade Component	
Component title	Penrose Station Upgrade
Project description	CONFIDENTIAL
Substation name	Penrose
Substation zone	PECO
Substation upgrade scope	Add new line position and increase the fault rating of PECO's Penrose 230kV Station by replacing (2) existing 50kA circuit breakers with (2) 4000A, 63kA circuit breakers.
Transformer Information	
None	
New equipment description	Replace(2) existing 50kA Gas circuit breakers with (2) 4000A, 63kA Gas Circuit Breakers. Upgrade/Replace all existing inside plant equipment to an 63kA fault rating as necessary. This includes rigid bus, strain bus, bus supports, grounding, terminations, insulators, etc.
Substation assumptions	There is sufficient room to accommodate the breaker replacement. Upgrading to 63kA fault current rating is assumed to require upgrades to associated rigid bus, strain bus, bus supports, grounding terminations, insulators, etc. No Piles are required. Outages will be available. Permits will be available. Resources will be available. No additional property purchase and leasing cost for station scope. No modification to underground utilities. No work associated with removal of contaminated materials and hazardous waste.
Real-estate description	Proposed work is to be performed within the existing fence area.
Construction responsibility	CONFIDENTIAL
Benefits/Comments	CONFIDENTIAL
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL
Permitting / routing / siting	CONFIDENTIAL
ROW / land acquisition	CONFIDENTIAL

Materials & equipment	CONFIDENTIAL
Construction & commissioning	CONFIDENTIAL
Construction management	CONFIDENTIAL
Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$3,177,155.00
Component cost (in-service year)	\$3,529,914.73

Substation Upgrade Component

Component title	Gloucester Station Upgrade
Project description	CONFIDENTIAL
Substation name	
Substation zone	
Substation upgrade scope	Increase the fault rating by replacing (17) existing 63kA circuit breakers with (17) 4000A, 80kA circuit breakers. This will require upgrades to rigid bus, strain bus, bus supports, grounding, terminations, insulators, etc.
Transformer Information	
None	
New equipment description	Replace (17) existing 4000A, 63kA Gas circuit breakers with (17) 4000A, 80kA Gas Circuit Breakers. Upgrade/Replace all existing inside plant equipment to an 80kA fault rating as necessary. This includes rigid bus, strain bus, bus supports, grounding, terminations, insulators, etc.
Substation assumptions	There is sufficient room to accommodate the breaker replacement. Upgrading to 80kA fault current rating is assumed to require upgrades to associated rigid bus, strain bus, bus supports, grounding terminations, insulators, etc. No Piles are required. Outages will be available. Permits will be available. Resources will be available. No additional property purchase and leasing cost for station scope. No modification to underground utilities. No work associated with removal of contaminated materials and hazardous waste

Real-estate description	Proposed work is to be performed within the existing fence area.
Construction responsibility	CONFIDENTIAL
Benefits/Comments	CONFIDENTIAL
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL
Permitting / routing / siting	CONFIDENTIAL
ROW / land acquisition	CONFIDENTIAL
Materials & equipment	CONFIDENTIAL
Construction & commissioning	CONFIDENTIAL
Construction management	CONFIDENTIAL
Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$30,986,847.00
Component cost (in-service year)	\$34,427,318.78
Substation Upgrade Component	
Component title	Peltz Upgrade
Project description	CONFIDENTIAL
Substation name	Peltz
Substation zone	PECO
Substation upgrade scope	
Transformer Information	

None	
New equipment description	Replace (3) existing 50kA Gas circuit breakers with (3) 4000A, 63kA Gas Circuit Breakers. Upgrade/Replace all existing inside plant equipment to an 63kA fault rating as necessary. This includes rigid bus, strain bus, bus supports, grounding, terminations, insulators, etc.
Substation assumptions	There is sufficient room to accommodate the breaker replacement. Upgrading to 63kA fault current rating is assumed to require upgrades to associated rigid bus, strain bus, bus supports, grounding terminations, insulators, etc. No Piles are required. Outages will be available. Permits will be available. Resources will be available. No additional property purchase and leasing cost for station scope. No modification to underground utilities. No work associated with removal of contaminated materials and hazardous waste.
Real-estate description	Proposed work is to be performed within the existing fence area.
Construction responsibility	CONFIDENTIAL
Benefits/Comments	CONFIDENTIAL
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL
Permitting / routing / siting	CONFIDENTIAL
ROW / land acquisition	CONFIDENTIAL
Materials & equipment	CONFIDENTIAL
Construction & commissioning	CONFIDENTIAL
Construction management	CONFIDENTIAL
Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$5,419,831.00
Component cost (in-service year)	\$6,021,595.48
Substation Upgrade Component	
Component title	Grays Ferry Upgrade

Project description	CONFIDENTIAL
Substation name	Greys Ferry
Substation zone	PECO
Substation upgrade scope	Increase the fault rating of PECO's Grays Ferry 230kV Station by replacing (4) existing 50kA circuit breakers with (4) 4000A, 63kA circuit breakers.
Transformer Information	
None	
New equipment description	Replace (4) existing 50kA Gas circuit breakers with (4) 4000A, 63kA Gas Circuit Breakers. Upgrade/Replace all existing inside plant equipment to an 63kA fault rating as necessary. This includes rigid bus, strain bus, bus supports, grounding, terminations, insulators, etc.
Substation assumptions	There is sufficient room to accommodate the breaker replacement. Upgrading to 63kA fault current rating is assumed to require upgrades to associated rigid bus, strain bus, bus supports, grounding terminations, insulators, etc. No Piles are required. Outages will be available. Permits will be available. Resources will be available. No additional property purchase and leasing cost for station scope. No modification to underground utilities. No work associated with removal of contaminated materials and hazardous waste
Real-estate description	Proposed work is to be performed within the existing fence area.
Construction responsibility	CONFIDENTIAL
Benefits/Comments	CONFIDENTIAL
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL
Permitting / routing / siting	CONFIDENTIAL
ROW / land acquisition	CONFIDENTIAL
Materials & equipment	CONFIDENTIAL
Construction & commissioning	CONFIDENTIAL
Construction management	CONFIDENTIAL

Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$4,907,245.00
Component cost (in-service year)	\$5,452,096.60

Substation Upgrade Component

Component title	Eagle Point Upgrade
Project description	CONFIDENTIAL
Substation name	Eagle Point
Substation zone	
Substation upgrade scope	

Transformer Information

None	
New equipment description	No new equipment
Substation assumptions	Demolish existing station below grade.
Real-estate description	Proposed work is to be performed within the existing fence area.
Construction responsibility	CONFIDENTIAL
Benefits/Comments	CONFIDENTIAL
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL
Permitting / routing / siting	CONFIDENTIAL
ROW / land acquisition	CONFIDENTIAL
Materials & equipment	CONFIDENTIAL

Construction & commissioning	CONFIDENTIAL
Construction management	CONFIDENTIAL
Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$2,182,468.06
Component cost (in-service year)	\$2,424,787.64
Transmission Line Upgrade Component	
Component title	New Eagle Point to Gloucester Circuit
Project description	CONFIDENTIAL
Impacted transmission line	Eagle Point to Gloucester
Point A	New Eagle Point 230kV Station
Point B	Gloucester 230kV Station
Point C	
Terrain description	The existing Gloucester P-2242 will traverse the existing ROW of the Eagle Point gen lead lines. The line is situated over industrial land and running adjacent to an existing railway. The line will be sharing the same structure as O-2241 circuit (Eagle Point to Thorofare).
Existing Line Physical Characteristics	
Operating voltage	230kV
Conductor size and type	795KCMIL 76X7 ACSS DRAKE
Hardware plan description	New hardware will be used for the new portions of the transmission line. No modifications to the existing line are expected.
Tower line characteristics	New monopoles structures will be used for the modified segments of the line. The project team assumes the generator lead lines have exiting fiber optic infrastructure

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	230.000000	230.000000
	Normal ratings	Emergency ratings
Summer (MVA)	1192.000000	1422.000000
Winter (MVA)	1276.000000	1508.000000
Conductor size and type	1033kcmil ACSS Curlew	
Shield wire size and type		
Rebuild line length	AFL OPGW 48 Fiber 0.742"	
Rebuild portion description	3,833 feet	
Right of way	The extension of the Eagle Point to Gloucester P-2242 will traverse the existing ROW.	
Construction responsibility	CONFIDENTIAL	
Benefits/Comments	CONFIDENTIAL	
Component Cost Details - In Current Year \$		
Engineering & design	CONFIDENTIAL	
Permitting / routing / siting	CONFIDENTIAL	
ROW / land acquisition	CONFIDENTIAL	
Materials & equipment	CONFIDENTIAL	
Construction & commissioning	CONFIDENTIAL	
Construction management	CONFIDENTIAL	
Overheads & miscellaneous costs	CONFIDENTIAL	

Contingency	CONFIDENTIAL	
Total component cost	\$2,361,280.46	
Component cost (in-service year)	\$2,623,453.59	
Transmission Line Upgrade Component		
Component title	New Eagle Point to Thorofare	
Project description	CONFIDENTIAL	
Impacted transmission line	Eagle Point to Thorofare	
Point A	New Eagle Point 230kV Station	
Point B	Thorofare 230kV Station	
Point C		
Terrain description	The existing Thorofare O-2241 will traverse the existing ROW of the Eagle Point gen lead lines. The line is situated over industrial land and running adjacent to an existing railway. The line will be sharing the same structure as P-2242	
Existing Line Physical Characteristics		
Operating voltage	230kV	
Conductor size and type	795 kcmil ACSS Drake	
Hardware plan description	New hardware will be used for the new portions of the transmission line. No modifications to the existing line is expected.	
Tower line characteristics	New monopoles structures will be used for the modified segments of the line.	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	230.000000	230.000000
	Normal ratings	Emergency ratings

Summer (MVA)	1192.000000	1422.000000
Winter (MVA)	1276.000000	1508.000000
Conductor size and type	1033kcmil ACSS Curlew	
Shield wire size and type	AFL OPGW 48 Fiber 0.742"	
Rebuild line length	3,833 feet	
Rebuild portion description		
Right of way	The extension of Eagle Point to Thorofare O-2241 will traverse the existing ROW.	
Construction responsibility	CONFIDENTIAL	
Benefits/Comments	CONFIDENTIAL	
Component Cost Details - In Current Year \$		
Engineering & design	CONFIDENTIAL	
Permitting / routing / siting	CONFIDENTIAL	
ROW / land acquisition	CONFIDENTIAL	
Materials & equipment	CONFIDENTIAL	
Construction & commissioning	CONFIDENTIAL	
Construction management	CONFIDENTIAL	
Overheads & miscellaneous costs	CONFIDENTIAL	
Contingency	CONFIDENTIAL	
Total component cost	\$9,467,358.26	
Component cost (in-service year)	\$10,518,519.69	
Transmission Line Upgrade Component		
Component title	Eagle Point Gen Lead Line	

Project description	CONFIDENTIAL	
Impacted transmission line		
Point A	New Eagle Point Station	
Point B	Eagle Point Generation Station	
Point C		
Terrain description	The existing eagle point lead line path will be reduced and re-directed to the new Eagle Point station. Three structures will be replaced to guide the generator lead lines into the new substation.	
Existing Line Physical Characteristics		
Operating voltage	230kV	
Conductor size and type		
Hardware plan description	New hardware will be used for the new portions of the transmission line.	
Tower line characteristics	New monopoles structures will be used for the modified segments of the line. The project team assumes the generator lead lines have exiting fiber optic infrastructure.	
Proposed Line Characteristics		
	Designed	Operating
Voltage (kV)	230.000000	230.000000
	Normal ratings	Emergency ratings
Summer (MVA)	1192.000000	1422.000000
Winter (MVA)	1276.000000	1508.000000
Conductor size and type	1590 kcmil ACSR	
Shield wire size and type	AFL OPGW 48 Fiber 0.742"	
Rebuild line length	1,140 feet for gen lead 1 & 1,377 feet for gen lead 2	

Rebuild portion description	
Right of way	Within existing ROW.
Construction responsibility	CONFIDENTIAL
Benefits/Comments	CONFIDENTIAL
Component Cost Details - In Current Year \$	
Engineering & design	CONFIDENTIAL
Permitting / routing / siting	CONFIDENTIAL
ROW / land acquisition	CONFIDENTIAL
Materials & equipment	CONFIDENTIAL
Construction & commissioning	CONFIDENTIAL
Construction management	CONFIDENTIAL
Overheads & miscellaneous costs	CONFIDENTIAL
Contingency	CONFIDENTIAL
Total component cost	\$3,627,990.48
Component cost (in-service year)	\$4,030,806.50

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
2024W1-32GD-S135	213819	N PHILA8	213783	MASTER	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S136	213819	N PHILA8	213783	MASTER	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S137	213819	N PHILA8	213783	MASTER	1	230	230	2032 Summer Gen Deliv	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1-32GD-S138	213819	N PHILA8	213783	MASTER	1	230	230	2032 Summer Gen Deliv	Included
2024W1-GD-S89N	213819	N PHILA8	213783	MASTER	1	230	230	Summer Gen Deliv	Included
2024W1-GD-S90N	213819	N PHILA8	213783	MASTER	1	230	230	Summer Gen Deliv	Included
2024W1-GD-S91N	213819	N PHILA8	213783	MASTER	1	230	230	Summer Gen Deliv	Included
2024W1-GD-S770	213819	N PHILA8	213783	MASTER	1	230	230	Summer Gen Deliv	Included
2024W1-32GD-S139	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S140	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S141	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S142	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-W24	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W14	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W15	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W2	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W3	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W4	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W5	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W6	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-LL15	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL16	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL17	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL18	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL19	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL20	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL21	214277	RICHMOND35	214012	WANEETA3	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL22	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL23	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL24	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Light Load Gen Deliv	Included
2024W1-32GD-LL25	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Light Load Gen Deliv	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1-32GD-W16	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W17	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W18	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W19	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W20	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W21	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-W8	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Winter Gen Deliv	Included
2024W1-32GD-S143	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S144	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S145	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Summer Gen Deliv	Included
2024W1-32GD-S146	214010	WANEETA2	213817	N PHILA	1	230	230	2032 Summer Gen Deliv	Included
2024W1-GD-S201N	214010	WANEETA2	213817	N PHILA	1	230	230	Summer Gen Deliv	Included
2024W1-GD-S202N	214010	WANEETA2	213817	N PHILA	1	230	230	Summer Gen Deliv	Included
2024W1-GD-S203N	214010	WANEETA2	213817	N PHILA	1	230	230	Summer Gen Deliv	Included
2024W1-GD-W238	214010	WANEETA2	213817	N PHILA	1	230	230	Winter Gen Deliv	Included
2024W1-GD-S791	214010	WANEETA2	213817	N PHILA	1	230	230	Summer Gen Deliv	Included

New Flowgates

CONFIDENTIAL

Financial Information

Capital spend start date 05/2025

Construction start date 04/2027

Project Duration (In Months) 49

Additional Comments

None