Executive Summary
To be publically posted by PJM

Blue indicates input cells for the Proposing Entity to complete
Orange indicates input cells for PJM to complete

1. Executive Summary

Instructions		Inputs	
Provide the name of the Proposing Entity. If there are multiple entities, please identify each party.	1.a.	Proposing Entity name	
Provide the RTEP Proposal Window in which this proposal is being submitted.	1.b.	Proposal window	2019 RTEP Open Window
Provide the Proposing Entity project proposal id. Use "A, B, C, …", etc. to differentiate between proposals.	1.c.	Proposal identification	
PJM proposal identification	1.d.	PJM proposal identification	2019_1-820
Provide a general description of the scope of this project (e.g. Project is a new line between X and Y substations utilizing AAA structures. A new bay will be created within the existing substation X footprint. Substation Y will be reconfigured to a breaker and a half with accomodations for the new line.)	1.e.	General project description	Install a SmartWire device in series with the Silverside-Darley line
Identify if the proposal or a proposal component span two PJM Transmission Owner zones. I.e. The proposal topology connects equipment owned by more than one Transmission Owner. This group includes transmission that spans two or more affiliated companies (e.g. Meted and Allegheny Power).	1.f.	Tie line impact	No
Indicate if the project is being proposed as a solution to a cross-border (e.g. PJM to MISO, PJM to NYISO) issue. (Note: The Proposing Entity is responsible for initiating and satisfying all regional and interregional requirements.)	1.g.	Interregional project	No
Indicate if the Proposing Entity intends to construct, own, operate, and maintain the infrastructure built under this proposal.	1.h.	Construct, own, operate and maintain	Yes
Total current year project cost estimate including estimates for any required Transmission Owner upgrades.	1.i.	Project cost estimate (current year)	$2,000,000.00
Total in-service year project cost estimate including estimates for any required Transmission Owner upgrades.	1.j.	Project cost estimate (in-service year)	$2,284,979.00
Project estimated schedule duration in months.	1.k.	Project schedule duration	24
Indicate if any cost containment commitment is being proposed as part of the project. If yes, the "10. Cost Contain" tab within this project proposal template is to be completed	1.l.	Cost containment commitment	No
If the project provides any known additional benefits above solving the identified violations or constraints, identify those benefits (e.g. reliability, economic, resilience, etc.).	1.m.	Additional benefits	
Confirm that all technical analysis files have been provided for this proposal.	1.n.	Technical analysis files provided	☑

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1. Executive Summary

Instructions		Inputs

Confirm that all necessary project diagrams have been provided for this proposal.

1.o. Project diagram files provided ☑

Indicate if company evaluation and operations and maintenance information has been provided for this proposal.

1.p. Company evaluation and operations and maintenance information provided ☐

If the answer to the cross-border question above at 1.g. was yes, complete the questions below.

Indicate if an evaluation for interregional cost allocation is desired.

1.q.i. Interregional Cost Allocation Evaluation — *No*

1.q.ii. Evaluated in interregional analysis under PJM Tariff or Operating Agreement provisions — *No*

If 'yes,' specify analysis and applicable Tariff or Operating Agreement provisions

Indicate if the proposal has been evaluated in a coordinated interregional analysis under the PJM Tariff or Operating Agreement provisions. Specify the analysis and applicable Tariff or Operating Agreement provisions.

1.q.iii. Regional and Interregional violations and issues from the Regional and/or Interregional analyses that identified the violations and issues addressed by the proposal.

List the specific regional and interregional violations and issues from the regional and/or interregional analyses that identified the violations and issues addressed by the proposal.

Overloaded Facilities
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Facilities addressed by the proposed project									
Instructions:	List the criteria violation(s) or system constraint(s) solved or mitigated by the proposed project.								

2.a.

FG #	Analysis Type	Bus #	Facility Name	To Bus #	To Bus Name	CKT	Voltage	Area
538	2024 Summer Generation Deliverability	231215	SILVERSD	231205	DARLEY	1	69	235
539	2024 Summer Generation Deliverability	231205	DARLEY	231211	NAAMANS	1	69	235

Major Project Components
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3.	Major Project Components				
	Instructions			**Component 1**	**Component 2**	**Component 3**

	Instructions	3.a.	**Component description(s)**	**Component 1**	**Component 2**	**Component 3**
Describe the scope of work for each major project component. Provide additional detail for each component on the cooresponding (yellow) component tab. For example, complete a component on the "Greenfield Sub Comp" tab for each proposed new substation.		3.a.	Component description(s)	Install SmartWire device in series with Silverside - Darley 69 kV line at Darley Substation		
		3.b.	**Component cost (current year)**			
Provide a project cost breakdown by the inticated categories for each component. State costs in current year dollars.			Engineering and design			
			Permitting / routing / siting			
			ROW / land acquisition			
			Materials and equipment			
			Construction and commissioning			
			Construction management			
			Overheads and miscellaneous costs			
			Contingency			
			Total component cost	$ 2,000,000.00		
For Market Efficiency projects, provide an in-service year component project total cost.		3.c.	Component cost (in-service year)	$ 2,284,979.00		
Identify the entity who will be designated to build the component.		3.d.	Construction responsibility	Delmarva Power & Light Company		

Substation Upgrade Component

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5. Substation Upgrade Component

Instructions	Inputs-1

5.a. Provide the corresponding component number from the "Project Components" tab.

Component number	1

5.b. Identify the name of the existing substation where the upgrade will take place.

Substation	Darley

5.c. **Substation upgrade scope**

Describe the scope of the upgrade work at the identified substation.

Install a SmartWire device in series with the Silverside to Darley line at Darley Substation.

5.d. **New equipment description**

Describe any new substation equipment and provide the equipment ratings.

One (1) new SmartWire device at the Darley Substation

5.e. **Substation assumptions**

Describe the assumptions that were made about the substation that were used in developing the scope and cost for the upgrade. For example, the use of a bay that appears to be available, the proposed use of an open area within the substation or the relocation of existing equipment.

Available space within substation to install device.

5.f. **Substation drawings**

Provide a single line diagram and a station general arrangement drawing for upgraded which change or expand the substation configuration List these documents on the 'Redacted Information' tab under the appropriate project component.

5.g. **Real-estate plan**

If the substation fence needs to be expanded, indicate the real-estate plan for acquiring the needed land. Also, provide a Google Earth .KMZ file detailing the expansion.

No changes to existing substation plot.

5.h. **Redacted information**

Describe any files or information that has been redacted from this section and provide the basis for the redaction.

Project Financial Information
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9. Project Financial Information

Instructions	Inputs

Project Schedule

Provide the planned construction period. Include start and end dates (month and year) of capital spend as well as the start and end dates (month and year) of construction. Commercial operation typically begins in the month following the end of construction.	**9.a.**	**Capital spend start date (Mo-Yr)** — Jan-20
		Construction start date (Mo-Yr) — Mar-21
		Commercial operation date (Mo-Yr) — Jan-22

Project Capital Expenditures

9.b.

Capital expenditure details	Total	2019	2020	2021	2022	2023	2024
Engineering and design							
Permitting / routing / siting							
ROW / land acquisition							
Materials and equipment							
Construction and commissioning							
Construction management							
Overheads and miscellaneous costs							
Contingency							
Proposer total capex							
Work by others capex							
Total project capex	$ 2,000,000	$ -	$ 580,000	$ 1,349,000	$ 71,000	$ -	$ -

Provide, in present year dollars, capital expenditure estimates by year for the Proposing Entity, work to be completed by others (e.g. incumbent TO) and total project. Include all capital expenditure, such as ongoing expenditures, for which the Proposing Entity plans to seek FERC approval for recovery.

9.c.

	Total	2019	2020	2021	2022	2023	2024
AFUDC							

Provide a yearly AFUDC cash flow, even if AFUDC is not going to be employed.

9.d. Assumptions for the capital expenditure estimate

Describe any files or information that has been redacted from this section and provide the basis for the redaction.

9.e. Redacted information

Describe any files or information that has been redacted from this section and provide the basis for the redaction.