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	[redacted]
Provide the RTEP Proposal Window in which this proposal is being submitted.	1.b.	Proposal window	PJM 2019 RTEP W1
Provide the Proposing Entity project proposal id. Use "A, B, C, …", etc. to differentiate between proposals.	1.c.	Proposal identification	[redacted]
PJM proposal identification	1.d.	PJM proposal identification	2019_1-788
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	[redacted] proposes to build the "Woodside 500/138 kV Project" (or, "the Project") in northern Virginia. The Project will establish a greenfield 500/138 kV station cutting in Doubs-Bismark 500 kV circuit on the high side and Stonewall-Feagan's Mill and Stonewall-Inwood 138 kV circuits on the low side with a 500/138 kV step-down transformer.
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	*Yes*
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)	$ 34,779,452.00
Total in-service year project cost estimate including estimates for any required Transmission Owner upgrades.	1.j.	Project cost estimate (in-service year)	$ 41,298,563.00
Project estimated schedule duration in months.	1.k.	Project schedule duration	47
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	*Yes*
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	

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1. Executive Summary

Instructions		Inputs	
Confirm that all technical analysis files have been provided for this proposal.	**1.n.**	**Technical analysis files provided**	☑
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*

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

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.	**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.**
		PJM N-1-1 Voltage Magnitude Results (2024 Summer) FG# N2-SVM1, N2-SVM2, N2-SVM3, N2-SVM4, N2-SVM5, N2-SVM6, N2-SVM7, N2-SVM8, N2-SVM9, N2-SVM10, N2-SVM11, N2-SVM12, N2-SVM13 PJM N-1-1 Voltage Magnitude Results (2024 Winter) FG# N2-WVM1, N2-WVM2, N2-WVM3, N2-WVM4, N2-WVM5, N2-WVM6 PJM N-1-1 Voltage Drop Results (2024 Winter) FG# N2-WVD1, N2-WVD2, N2-WVD3, N2-WVD4, N2-WVD5, N2-WVD6, N2-WVD7, N2-WVD8, N2-WVD9, N2-WVD10

Overloaded Facilities

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2.a.

Facilities addressed by the proposed project								
Instructions:	List the criteria violation(s) or system constraint(s) solved or mitigated by the proposed project.							
FG #	Analysis Type	Bus #	Facility Name	To Bus #	To Bus Name	CKT	Voltage	Area
N2-SVM1	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	237320	01VANVL				138	201
N2-SVM2	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235499	01OPEQUN				138	201
N2-SVM3	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235512	01STONEW				138	201
N2-SVM4	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235477	01INWOOD				138	201
N2-SVM5	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235512	01STONEW				138	201
N2-SVM6	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235512	01STONEW				138	201
N2-SVM7	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235471	01GORE				138	201
N2-SVM8	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	237320	01VANVL				138	201
N2-SVM9	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235499	01OPEQUN				138	201
N2-SVM10	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235512	01STONEW				138	201
N2-SVM11	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235512	01STONEW				138	201
N2-SVM12	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235471	01GORE				138	201
N2-SVM13	PJM N-1-1 Voltage Magnitude Results (2024 Summer)	235512	01STONEW				138	201
N2-WVM1	PJM N-1-1 Voltage Magnitude Results (2024 Winter)	235512	01STONEW				138	201
N2-WVM2	PJM N-1-1 Voltage Magnitude Results (2024 Winter)	235471	01GORE				138	201
N2-WVM3	PJM N-1-1 Voltage Magnitude Results (2024 Winter)	235512	01STONEW				138	201
N2-WVM4	PJM N-1-1 Voltage Magnitude Results (2024 Winter)	235512	01STONEW				138	201
N2-WVM5	PJM N-1-1 Voltage Magnitude Results (2024 Winter)	235512	01STONEW				138	201
N2-WVM6	PJM N-1-1 Voltage Magnitude Results (2024 Winter)	235471	01GORE				138	201
N2-WVD1	PJM N-1-1 Voltage Drop Results (2024 Winter)	235499	01OPEQUN				138	201
N2-WVD2	PJM N-1-1 Voltage Drop Results (2024 Winter)	235444	01BART 1				138	201
N2-WVD3	PJM N-1-1 Voltage Drop Results (2024 Winter)	235447	01WINZ1-113				138	201
N2-WVD4	PJM N-1-1 Voltage Drop Results (2024 Winter)	916552	Z1-113 E				138	201
N2-WVD5	PJM N-1-1 Voltage Drop Results (2024 Winter)	235444	01BART 1				138	201
N2-WVD6	PJM N-1-1 Voltage Drop Results (2024 Winter)	235447	01WINZ1-113				138	201
N2-WVD7	PJM N-1-1 Voltage Drop Results (2024 Winter)	916552	Z1-113 E				138	201
N2-WVD8	PJM N-1-1 Voltage Drop Results (2024 Winter)	235444	01BART 1				138	201
N2-WVD9	PJM N-1-1 Voltage Drop Results (2024 Winter)	235447	01WINZ1-113				138	201
N2-WVD10	PJM N-1-1 Voltage Drop Results (2024 Winter)	916552	Z1-113 E				138	201

Major Project Components

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3. Major Project Components

Instructions

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.

Provide a project cost breakdown by the inticated categories for each component. State costs in current year dollars.

For Market Efficiency projects, provide an in-service year component project total cost.

Identify the entity who will be designated to build the component.

		Component 1	Component 2	Component 3
3.a.	Component description(s)	Construct a new Woodside 500/138kV Station	Cut in Bismark-Doubs 500 kV circuit into the Woodside Station	Cut in Stonewall-Feagan's Mill 138 kV circuit into the Woodside Station
3.b.	Component cost (current year)			
	Engineering and design	$ 421,793.00	$ 321,278.00	$ 162,338.00
	Permitting / routing / siting	$ 300,000.00	$ 50,000.00	$ 20,000.00
	ROW / land acquisition	$ 208,000.00	$ 168,100.00	$ 47,100.00
	Materials and equipment	$ 14,040,073.00	$ 566,795.00	$ 66,510.00
	Construction and commissioning	$ 8,494,564.00	$ 2,564,439.00	$ 553,151.00
	Construction management	$ 126,162.00	$ 55,095.00	$ 42,842.00
	Overheads and miscellaneous costs	$ 471,812.00	$ 336,163.00	$ 440,953.00
	Contingency	$ 2,359,059.00	$ -	$ -
	Total component cost	$ 26,421,463.00	$ 4,061,870.00	$ 1,332,894.00
3.c.	Component cost (in-service year)	NA	NA	NA
3.d.	Construction responsibility	[redacted]	Incumbent	Incumbent

Major Project Components

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3. Major Project Components

Instructions			Component 4	Component 5	Component 6
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)	Cut in Stonewall-Inwood 138 kV circuit into the Woodside Station	Install a new 138 kV circuit breaker at Inwood station on the Inwood-Woodside 138 kV line.	Remote-end relaying changes at Bismark and Doubs Stations for the new Woodside 500/138 kV cut in.
Provide a project cost breakdown by the inticated categories for each component. State costs in current year dollars.	3.b.	Component cost (current year)			
		Engineering and design	$ 312,481.00	$ 115,338.00	$ 10,000.00
		Permitting / routing / siting	$ 20,000.00	$ -	$ -
		ROW / land acquisition	$ 33,600.00	$ -	$ -
		Materials and equipment	$ 268,044.00	$ 175,610.00	$ -
		Construction and commissioning	$ 1,414,198.00	$ 150,151.00	$ -
		Construction management	$ 88,625.00	$ 22,842.00	$ -
		Overheads and miscellaneous costs	$ 342,336.00	$ -	$ -
		Contingency	$ -	$ -	$ -
		Total component cost	$ 2,479,284.00	$ 463,941.00	$ 10,000.00
For Market Efficiency projects, provide an in-service year component project total cost.	3.c.	Component cost (in-service year)	NA	NA	NA
Identify the entity who will be designated to build the component.	3.d.	Construction responsibility	Incumbent	Incumbent	Incumbent

Major Project Components

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3. Major Project Components

Instructions

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.

Provide a project cost breakdown by the inticated categories for each component. State costs in current year dollars.

For Market Efficiency projects, provide an in-service year component project total cost.

Identify the entity who will be designated to build the component.

		Component 7	Component 8	Component 9
3.a.	Component description(s)	Remote-end relaying changes at Stonewall, Feagan's Mill, and Inwood Stations for the new Woodside 500/138 kV cut ins.		
3.b.	Component cost (current year)			
	Engineering and design	$ 10,000.00		
	Permitting / routing / siting	$ -		
	ROW / land acquisition	$ -		
	Materials and equipment	$ -		
	Construction and commissioning	$ -		
	Construction management	$ -		
	Overheads and miscellaneous costs	$ -		
	Contingency	$ -		
	Total component cost	$ 10,000.00	$ -	$ -
3.c.	Component cost (in-service year)	NA		
3.d.	Construction responsibility	Incumbent		

Greenfield Substation Component

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7. Greenfield Substation Component

Instructions		Inputs - 1	
Provide the corresponding component number from the "Project Components" tab.	7.a.	Component number	1
Provide the name for the proposed substation.	7.b.	Proposed substation name	Woodside
Provide the latitude and longitude (in decimal degrees) of the site(s) evaluated for the substation.	7.c.	Evaluated location(s)	
Provide a general description of the substation. Also, provide a single line diagram and general arrangement drawing.	7.d.	Substation description	
Describe the major substation equipment and provide the equipment ratings.	7.e.	Substation equipment	
Describe the required site size, geography and current land use for the proposed site(s).	7.f.	Geography and land use	
Provide an assessment of the potential environmental impacts (i.e. environmental impact study requirements, environmental permitting, sediment, and erosion control issues).	7.g.	Environmental assessment	

Greenfield Substation Component

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7. Greenfield Substation Component

Instructions		Inputs - 1	
Provide the corresponding component number from the "Project Components" tab.	7.a.	Component number	1
Describe community and landowner outreach plans	7.h.	Outreach plan	[redacted]
Provide the project land acquisition plan and approach for both public and private lands.	7.i.	Land acquisition plan	[redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	7.j.	Redacted information	All information on Tab 7 should be redacted including any drawings and attachments due to sensitive business information and CEII.

Greenfield Transmission Line Component

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6. Transmission Line Component

Instructions		Inputs - 1	
Provide the corresponding component number from the "Project Components" tab.	6.a.	Component Number	2
Provide the substation endpoints for the proposed transmission line component.	6.b.	Line terminal points	[redacted]
Provide the target ratings for the proposed line.	6.c.	Project ratings	[redacted]
Provide the proposed conductor type and size.	6.d.	Conductor type and size	[redacted]
Provide a general description of the line, including nominal voltage, whether the facility will be AC or DC and if the construction will be overhead, underground, submarine or some combination.	6.e.	General line description	[redacted]
Provide a general description of the evaluated routes or routing study area. Provide a Google Earth .KMZ file with the evaluated routes or study plan.	6.f.	General route description	[redacted]
Describe the terrain traversed by the proposed new line.	6.g.	Terrain description	[redacted]
Route description by segment that includes lengths and widths and classified by whether the segment will be new right of way, an expansion of an existing right of way or use an existing right of way. This information may be included with the Google Earth .KMZ.	6.h.	Right of way plan by segment	[redacted]
Provide the project right of way and land acquisition plan and approach for both public and private lands.	6.i.	ROW and land acquisition plan	[redacted]
Provide the location and plan for any transmission facility crossings.	6.j.	Transmission facility crossings	[redacted]

Greenfield Transmission Line Component

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6. Transmission Line Component

Instructions		Inputs - 1
Provide the corresponding component number from the "Project Components" tab.	6.a. Component Number	2
Provide an assessment of the potential environmental impacts (i.e. environmental impact study requirements, environmental permitting, sediment, and erosion control issues).	6.k. Environmental impacts	[redacted]
Proposed tower characteristics such as monopole, lattice, wood h-frame design, double or single circuit, and horizontal, vertical or delta conductor configurations. Note, preliminary drawings for proposed structure types are acceptable in place of a written description.	6.l. Tower characteristics	[redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	6.m. Redacted information	All information on Tab 6 should be redacted including any drawings and attachments due to sensitive business information and CEII.

Greenfield Transmission Line Component

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6. Transmission Line Component

Instructions		Inputs - 2	
Provide the corresponding component number from the "Project Components" tab.	6.a.	Component Number	3
Provide the substation endpoints for the proposed transmission line component.	6.b.	Line terminal points	[redacted]
Provide the target ratings for the proposed line.	6.c.	Project ratings	
Provide the proposed conductor type and size.	6.d.	Conductor type and size	
Provide a general description of the line, including nominal voltage, whether the facility will be AC or DC and if the construction will be overhead, underground, submarine or some combination.	6.e.	General line description	[redacted]
Provide a general description of the evaluated routes or routing study area. Provide a Google Earth .KMZ file with the evaluated routes or study plan.	6.f.	General route description	[redacted]
Describe the terrain traversed by the proposed new line.	6.g.	Terrain description	[redacted]
Route description by segment that includes lengths and widths and classified by whether the segment will be new right of way, an expansion of an existing right of way or use an existing right of way. This information may be included with the Google Earth .KMZ.	6.h.	Right of way plan by segment	[redacted]
Provide the project right of way and land acquisition plan and approach for both public and private lands.	6.i.	ROW and land acquisition plan	[redacted]
Provide the location and plan for any transmission facility crossings.	6.j.	Transmission facility crossings	[redacted]

Greenfield Transmission Line Component

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6. Transmission Line Component

Instructions		Inputs - 2
Provide the corresponding component number from the "Project Components" tab.	6.a. Component Number	3
Provide an assessment of the potential environmental impacts (i.e. environmental impact study requirements, environmental permitting, sediment, and erosion control issues).	6.k. Environmental impacts	[redacted]
Proposed tower characteristics such as monopole, lattice, wood h-frame design, double or single circuit, and horizontal, vertical or delta conductor configurations. Note, preliminary drawings for proposed structure types are acceptable in place of a written description.	6.l. Tower characteristics	[redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	6.m. Redacted information	All information on Tab 6 should be redacted including any drawings and attachments due to sensitive business information and CEII.

Greenfield Transmission Line Component

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6. Transmission Line Component

Instructions		Inputs - 3	
Provide the corresponding component number from the "Project Components" tab.	6.a.	Component Number	4
Provide the substation endpoints for the proposed transmission line component.	6.b.	Line terminal points	[redacted]
Provide the target ratings for the proposed line.	6.c.	Project ratings	
Provide the proposed conductor type and size.	6.d.	Conductor type and size	
Provide a general description of the line, including nominal voltage, whether the facility will be AC or DC and if the construction will be overhead, underground, submarine or some combination.	6.e.	General line description	[redacted]
Provide a general description of the evaluated routes or routing study area. Provide a Google Earth .KMZ file with the evaluated routes or study plan.	6.f.	General route description	[redacted]
Describe the terrain traversed by the proposed new line.	6.g.	Terrain description	[redacted]
Route description by segment that includes lengths and widths and classified by whether the segment will be new right of way, an expansion of an existing right of way or use an existing right of way. This information may be included with the Google Earth .KMZ.	6.h.	Right of way plan by segment	[redacted]
Provide the project right of way and land acquisition plan and approach for both public and private lands.	6.i.	ROW and land acquisition plan	[redacted]
Provide the location and plan for any transmission facility crossings.	6.j.	Transmission facility crossings	[redacted]

Greenfield Transmission Line Component

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6. Transmission Line Component

Instructions		Inputs - 3	
Provide the corresponding component number from the "Project Components" tab.	6.a.	Component Number	4
Provide an assessment of the potential environmental impacts (i.e. environmental impact study requirements, environmental permitting, sediment, and erosion control issues).	6.k.	Environmental impacts	[redacted]
Proposed tower characteristics such as monopole, lattice, wood h-frame design, double or single circuit, and horizontal, vertical or delta conductor configurations. Note, preliminary drawings for proposed structure types are acceptable in place of a written description.	6.l.	Tower characteristics	[redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	6.m.	Redacted information	All information on Tab 6 should be redacted including any drawings and attachments due to sensitive business information and CEII.

Substation Upgrade Component

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5. Substation Upgrade Component

Instructions		Inputs-1	
Provide the corresponding component number from the "Project Components" tab.	5.a.	Component number	5
Identify the name of the existing substation where the upgrade will take place.	5.b.	Substation	
Describe the scope of the upgrade work at the identified substation.	5.c.	Substation upgrade scope	
Describe any new substation equipment and provide the equipment ratings.	5.d.	New equipment description	
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.	5.e.	Substation assumptions	
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.f.	Substation drawings	
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.	5.g.	Real-estate plan	
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	5.h.	Redacted information	All information on Tab 5 should be redacted including any drawings and attachments due to sensitive business information and CEII.

Substation Upgrade Component

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5. Substation Upgrade Component

Instructions		Inputs-1	
Provide the corresponding component number from the "Project Components" tab.	5.a.	Component number	6
Identify the name of the existing substation where the upgrade will take place.	5.b.	Substation	[redacted]
Describe the scope of the upgrade work at the identified substation.	5.c.	Substation upgrade scope	[redacted]
Describe any new substation equipment and provide the equipment ratings.	5.d.	New equipment description	[redacted]
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.	5.e.	Substation assumptions	[redacted]
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.f.	Substation drawings	
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.	5.g.		[redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	5.h.	Redacted information	All information on Tab 5 should be redacted including any drawings and attachments due to sensitive business information and CEII.

Substation Upgrade Component

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5. Substation Upgrade Component

Instructions		Inputs-3	
Provide the corresponding component number from the "Project Components" tab.	5.a.	Component number	7
Identify the name of the existing substation where the upgrade will take place.	5.b.	Substation	[redacted]
Describe the scope of the upgrade work at the identified substation.	5.c.	Substation upgrade scope	[redacted]
Describe any new substation equipment and provide the equipment ratings.	5.d.	New equipment description	[redacted]
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.	5.e.	Substation assumptions	[redacted]
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.f.	Substation drawings	
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.	5.g.	Real-estate plan	[redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	5.h.	Redacted information	All information on Tab 5 should be redacted including any drawings and attachments due to sensitive business information and CEII.

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)** [redacted]
		Construction start date (Mo-Yr)
		Commercial operation date (Mo-Yr)
		Project Capital Expenditures
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.b.	**Capital expenditure details** / **Total** / **2019** / **2020** / **2021** / **2022** / **2023** / **2024** **Engineering and design** [redacted] **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**
Provide a yearly AFUDC cash flow, even if AFUDC is not going to be employed.	9.c.	**Total** / **2019** / **2020** / **2021** / **2022** / **2023** / **2024** **AFUDC** [redacted]
Provide any assumptions for the capital expenditure estimate (e.g. design assumptions, weather, manpower needed and work schedule, number of hours per day, construction area access, etc.).	9.d.	**Assumptions for the capital expenditure estimate** [redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	9.e.	**Redacted information** All information on Tab 9 should be redacted including any drawings and attachments due to sensitive business information and CEII.

Cost Containment Commitment

To be publically posted by PJM

Blue indicates input cells for the Proposing Entity to complete

Cost Containment Commitment

Instructions		Inputs
Provide a description of the cost containment mechanism being proposed.	10.a.	Cost containment commitment description
Describe the scope of work covered by the proposed cost containment commitment. Identify the components by number.	10.b.	Project scope covered by the cost containment commitment
Provide, in present year dollars and year of occurrence dollars, the Proposing Entity's proposed binding cap on capital expenditures.	10.b.i.	Cost cap in present year dollars Cost cap in in-service year dollars
Provide any additional information related to the cap on capital expenditures, including but not limited to: if AFUDC is included in the cap, if all costs prior to commercial operation date are included in the cap, if the cap includes a variable or fixed inflation rate, etc.	10.b.ii.	Additional Information on cost cap:

Cost Containment Commitment

To be publically posted by PJM

Blue indicates input cells for the Proposing Entity to complete

Cost Containment Commitment

Instructions		Inputs
Indicate which components of capital costs fall under the cost cap.	10.b.iii.	**Cost containment capital expenditure exemptions**

Capital cost component	Component covered by cost containment
Engineering and design	[redacted]
Permitting / routing / siting	
ROW / land acquisition	
Materials and equipment	
Construction and commissioning	
Construction management	
Overheads and miscellaneous costs	
Taxes	
AFUDC	
Escalation	

Instructions		Inputs
Describe any other cost containment measures not detailed above.	10.c.	**Describe any other Cost Containment Measures not covered above:** [redacted]
Provide language to be included in the Designated Entity Agreement that expresses the legally binding commitment of the developer to the construction cost cap.	10.d.	**Cost Commitment Legal Language** [redacted]
Explain any plans the proposing entity has in place to address the situation where project actual costs exceed the proposed cost containment commitment.	10.e.	**Actuals Exceed Commitment** [redacted]
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	10.f.	**Redacted information** All information on Tab 10 should be redacted including any drawings and attachments due to sensitive business information and CEII.