



Executive Summary

1. Executive Summary

Instructions	Inputs			
Provide the name of the Proposing Entity. If there are multiple entities, please identify each p	1.a.	<table border="1"> <tr> <th data-bbox="1507 493 2138 534">Proposing Entity name</th> <td data-bbox="2138 493 2781 604"></td> </tr> </table>	Proposing Entity name	
Proposing Entity name				
Provide the RTEP Proposal Window in which this proposal is being submitted.	1.b.	<table border="1"> <tr> <th data-bbox="1507 635 2138 675">Proposal window</th> <td data-bbox="2138 635 2781 675">2018/19 LT Window</td> </tr> </table>	Proposal window	2018/19 LT Window
Proposal window	2018/19 LT Window			
Provide the Proposing Entity project proposal id. Use "A, B, C, ...", etc. to differentiate between	1.c.	<table border="1"> <tr> <th data-bbox="1507 705 2138 745">Proposal identification</th> <td data-bbox="2138 705 2781 745"></td> </tr> </table>	Proposal identification	
Proposal identification				
PJM proposal identification	1.d.	<table border="1"> <tr> <th data-bbox="1507 806 2138 846">PJM proposal identification</th> <td data-bbox="2138 806 2781 846">201819_1-782</td> </tr> </table>	PJM proposal identification	201819_1-782
PJM proposal identification	201819_1-782			
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.	<table border="1"> <tr> <th data-bbox="1507 907 2138 947">General project description</th> <td data-bbox="2138 907 2781 1098">Upgrade the Monroe to Wayne line rating by replacing switches at the 345kV Wayne Station.</td> </tr> </table>	General project description	Upgrade the Monroe to Wayne line rating by replacing switches at the 345kV Wayne Station.
General project description	Upgrade the Monroe to Wayne line rating by replacing switches at the 345kV Wayne Station.			
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.	<table border="1"> <tr> <th data-bbox="1507 1139 2138 1199">Tie line impact</th> <td data-bbox="2138 1139 2418 1209">No</td> </tr> </table>	Tie line impact	No
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.	<table border="1"> <tr> <th data-bbox="1507 1280 2138 1330">Interregional project</th> <td data-bbox="2138 1280 2418 1340">Yes</td> </tr> </table>	Interregional project	Yes
Interregional project	Yes			
Indicate if the Proposing Entity intends to construct, own, operate, and maintain the infrastructure built under this proposal.	1.h.	<table border="1"> <tr> <th data-bbox="1507 1391 2138 1441">Construct, own, operate and maintain</th> <td data-bbox="2138 1391 2418 1441">Yes</td> </tr> </table>	Construct, own, operate and maintain	Yes
Construct, own, operate and maintain	Yes			
Total current year project cost estimate including estimates for any required Transmission Owne	1.i.	<table border="1"> <tr> <th data-bbox="1507 1491 2138 1542">Project cost estimate (current year)</th> <td data-bbox="2138 1491 2781 1552">\$0.41MM</td> </tr> </table>	Project cost estimate (current year)	\$0.41MM
Project cost estimate (current year)	\$0.41MM			
Total in-service year project cost estimate including estimates for any required Transmission Ow	1.j.	<table border="1"> <tr> <th data-bbox="1507 1602 2138 1653">Project cost estimate (in-service year)</th> <td data-bbox="2138 1602 2781 1663">\$0.46MM</td> </tr> </table>	Project cost estimate (in-service year)	\$0.46MM
Project cost estimate (in-service year)	\$0.46MM			



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Project estimated schedule duration in months.	1.k.	<table border="1"> <tr> <td data-bbox="1504 510 2138 546">Project schedule duration</td> <td data-bbox="2138 510 2784 546">2yrs</td> </tr> </table>	Project schedule duration	2yrs		
Project schedule duration	2yrs					
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.	<table border="1"> <tr> <td data-bbox="1504 612 2138 649">Cost containment commitment</td> <td data-bbox="2138 612 2784 649">No</td> </tr> </table>	Cost containment commitment	No		
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.	<table border="1"> <tr> <td colspan="2" data-bbox="1504 707 2138 743">Additional benefits</td> </tr> <tr> <td colspan="2" data-bbox="1504 743 2784 935">TBD</td> </tr> </table>	Additional benefits		TBD	
Additional benefits						
TBD						
Confirm that all technical analysis files have been provided for this proposal.	1.n.	<table border="1"> <tr> <td data-bbox="1504 993 2138 1030">Technical analysis files provided</td> <td data-bbox="2138 993 2784 1030"><input checked="" type="checkbox"/></td> </tr> </table>	Technical analysis files provided	<input checked="" type="checkbox"/>		
Technical analysis files provided	<input checked="" type="checkbox"/>					
Confirm that all necessary project diagrams have been provided for this proposal.	1.o.	<table border="1"> <tr> <td data-bbox="1504 1090 2138 1126">Project diagram files provided</td> <td data-bbox="2138 1090 2784 1126"><input checked="" type="checkbox"/></td> </tr> </table>	Project diagram files provided	<input checked="" type="checkbox"/>		
Project diagram files provided	<input checked="" type="checkbox"/>					
Indicate if company evaluation and operations and maintenance information has been provided for this proposal.	1.p.	<table border="1"> <tr> <td data-bbox="1504 1187 2138 1264">Company evaluation and operations and maintenance information provided</td> <td data-bbox="2138 1187 2784 1264"><input type="checkbox"/></td> </tr> </table>	Company evaluation and operations and maintenance information provided	<input type="checkbox"/>		
Company evaluation and operations and maintenance information provided	<input type="checkbox"/>					
If the answer to the cross-border question above at 1.g. was yes, complete the questions						
Indicate if an evaluation for interregional cost allocation is desired.	1.q.i.	<table border="1"> <tr> <td data-bbox="1504 1374 2138 1451">Interregional Cost Allocation Evaluation</td> <td data-bbox="2138 1374 2784 1451">Yes</td> </tr> </table>	Interregional Cost Allocation Evaluation	Yes		
Interregional Cost Allocation Evaluation	Yes					
	1.q.ii.	<table border="1"> <tr> <td data-bbox="1504 1499 2138 1592">Evaluated in interregional analysis under PJM Tariff or Operating Agreement provisions</td> <td data-bbox="2138 1499 2784 1592">Yes</td> </tr> </table>	Evaluated in interregional analysis under PJM Tariff or Operating Agreement provisions	Yes		
Evaluated in interregional analysis under PJM Tariff or Operating Agreement provisions	Yes					



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Instructions

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.

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.

Inputs

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

Consideration in the MISO planning process.

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.

345kV Monroe to Wayne MISO M2M Constraint



Major Project Components

3. Major Project Components																				
Instructions		Component 1																		
<p>Provide a description for each major project component. Each project component will require the completion of the tab corresponding to the category of the component ("Greenfield Substation Component" tab for any proposed new substation, for example).</p>	<p>3.a. Component description(s)</p>	<p>345KV WAYNE STATION DISCONNECT SWITCH UPGRADES</p>																		
<p>Provide a component project cost breakdown into the identified categories along with a total component cost. Costs should be in current year dollars.</p>	<p>3.b. Component cost (current year)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="background-color: #cce5ff;">Engineering and design</td><td style="background-color: #000;"></td></tr> <tr><td style="background-color: #cce5ff;">Permitting / routing / siting</td><td style="background-color: #000;"></td></tr> <tr><td style="background-color: #cce5ff;">ROW / land acquisition</td><td style="background-color: #000;"></td></tr> <tr><td style="background-color: #cce5ff;">Materials and equipment</td><td style="background-color: #000;"></td></tr> <tr><td style="background-color: #cce5ff;">Construction and commissioning</td><td style="background-color: #000;"></td></tr> <tr><td style="background-color: #cce5ff;">Construction management</td><td style="background-color: #000;"></td></tr> <tr><td style="background-color: #cce5ff;">Overheads and miscellaneous costs</td><td style="background-color: #000;"></td></tr> <tr><td style="background-color: #cce5ff;">Contingency</td><td style="background-color: #000;"></td></tr> <tr style="font-weight: bold;"> <td style="background-color: #444; color: white;">Total component cost</td> <td style="background-color: #cce5ff; text-align: right;">\$ 410,000.00</td> </tr> </table>	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	\$ 410,000.00	
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	\$ 410,000.00																			
<p>If this proposal is being submitted as Market Efficiency project, provide an in-service year component project</p>	<p>3.c. Component cost (in-service year)</p>	<p>\$ 460,000.00</p>																		
<p>Identify the entity who will be designated the component.</p>	<p>3.d. Construction responsibility</p>																			



Substation Upgrade Component

5. Substation Upgrade Component

Instructions	Inputs-1			
Provide the corresponding component number from the "Project Components" tab of the proposal template.	5.a.	<table border="1"> <tr> <th data-bbox="1603 469 2169 506">Component number</th> <td data-bbox="2169 469 2999 506">1</td> </tr> </table>	Component number	1
Component number	1			
Identify the name of the existing substation where the upgrade will take place.	5.b.	<table border="1"> <tr> <th data-bbox="1603 542 2169 578">Substation</th> <td data-bbox="2169 542 2999 578">WAYNE 345KV (ITCT)</td> </tr> </table>	Substation	WAYNE 345KV (ITCT)
Substation	WAYNE 345KV (ITCT)			
Describe the scope of the upgrade work at the identified substation.	5.c.	<table border="1"> <tr> <th data-bbox="1603 612 2169 649">Substation upgrade scope</th> <td data-bbox="2169 612 2999 784">UPGRADE 345KV DISCONNECT SWITCHES FOR MONROE-WAYNE LINE POSITION.</td> </tr> </table>	Substation upgrade scope	UPGRADE 345KV DISCONNECT SWITCHES FOR MONROE-WAYNE LINE POSITION.
Substation upgrade scope	UPGRADE 345KV DISCONNECT SWITCHES FOR MONROE-WAYNE LINE POSITION.			
Describe any new substation equipment and provide the equipment ratings.	5.d.	<table border="1"> <tr> <th data-bbox="1603 818 2169 854">New equipment description</th> <td data-bbox="2169 818 2999 989">345KV DISCONNECT SWITCHES, LINE RATINGS INCREASE TO RATING OF CONDUCTOR</td> </tr> </table>	New equipment description	345KV DISCONNECT SWITCHES, LINE RATINGS INCREASE TO RATING OF CONDUCTOR
New equipment description	345KV DISCONNECT SWITCHES, LINE RATINGS INCREASE TO RATING OF CONDUCTOR			
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.	<table border="1"> <tr> <th data-bbox="1603 1024 2169 1060">Substation assumptions</th> <td data-bbox="2169 1024 2999 1195">ALL WORK TO BE PERFORMED BY THE STATION OWNER ITC TRANSMISSION LLC WHO IS A MISO MEMBER.</td> </tr> </table>	Substation assumptions	ALL WORK TO BE PERFORMED BY THE STATION OWNER ITC TRANSMISSION LLC WHO IS A MISO MEMBER.
Substation assumptions	ALL WORK TO BE PERFORMED BY THE STATION OWNER ITC TRANSMISSION LLC WHO IS A MISO MEMBER.			
If the upgrade changes or expands upon the substation configuration provide a single line diagram and a station general arrangement drawing. These documents should be provided on the 'Redacted Information' tab under the appropriate project component.	5.f.	<table border="1"> <tr> <th data-bbox="1603 1227 2169 1264">Substation drawings</th> <td data-bbox="2169 1227 2999 1340"></td> </tr> </table>	Substation drawings	
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.	<table border="1"> <tr> <th data-bbox="1603 1346 2169 1382">Real-estate plan</th> <td data-bbox="2169 1346 2999 1544">N/A</td> </tr> </table>	Real-estate plan	N/A
Real-estate plan	N/A			
Describe any files or information that has been redacted from this section and provide the basis for the re	5.h.	<table border="1"> <tr> <th data-bbox="1603 1594 2169 1630">Redacted information</th> <td data-bbox="2169 1594 2999 1778"></td> </tr> </table>	Redacted information	
Redacted information				

9. Project Financial Information

Instructions

Provide the planned construction period, include the month and year of when capital spend will begin, when construction will begin and when construction will end. The final construction month should be the month preceding the commercial operation month.

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. Capital expenditure estimates should include all capital expenditure, including any ongoing expenditures, for which the Proposing Entity plans to seek FERC approval for recovery.

Even if AFUDC is not going to be employed, provide a yearly AFUDC cash flow.

Inputs

Project Schedule

9.a.	Capital spend start date (Mo-Yr)	Jan-19
	Construction start date (Mo-Yr)	
	Commercial operation date (Mo-Yr)	Jan-23

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	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

9.c.	Total	2019	2020	2021	2022	2023	2024
AFUDC	\$ -						



9. Project Financial Information

Instructions

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

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

Inputs

9.d.

Assumptions for the capital expenditure estimate

[Redacted area for 9.d. input]

9.e.

Redacted information

[Redacted area for 9.e. input]



Cost Containment Commitment

10. Cost Containment Commitment

Instructions	Inputs																					
Provide a description of the cost containment mechanism being proposed.	10.a. Cost containment commitment description <div style="background-color: #d9e1f2; height: 40px; width: 100%;"></div>																					
	10.b. Project scope covered by the cost containment commitment <div style="background-color: #d9e1f2; height: 60px; width: 100%;"></div>																					
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 <div style="background-color: #d9e1f2; height: 15px; width: 80%;"></div>																					
	Cost cap in in-service year dollars <div style="background-color: #d9e1f2; height: 15px; width: 80%;"></div>																					
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: <div style="background-color: #d9e1f2; height: 60px; width: 100%;"></div>																					
	10.b.iii. Cost containment capital expenditure exemptions <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #444; color: white;">Capital cost component</th> <th style="background-color: #444; color: white;">Component covered by cost containment</th> </tr> </thead> <tbody> <tr> <td>Engineering and design</td> <td>Choose Yes or No</td> </tr> <tr> <td>Permitting / routing / siting</td> <td>Choose Yes or No</td> </tr> <tr> <td>ROW / land acquisition</td> <td>Choose Yes or No</td> </tr> <tr> <td>Materials and equipment</td> <td>Choose Yes or No</td> </tr> <tr> <td>Construction and commissioning</td> <td>Choose Yes or No</td> </tr> <tr> <td>Construction management</td> <td>Choose Yes or No</td> </tr> <tr> <td>Overheads and miscellaneous costs</td> <td>Choose Yes or No</td> </tr> <tr> <td>Taxes</td> <td>Choose Yes or No</td> </tr> <tr> <td>AFUDC</td> <td>Choose Yes or No</td> </tr> <tr> <td>Escalation</td> <td>Choose Yes or No</td> </tr> </tbody> </table>	Capital cost component	Component covered by cost containment	Engineering and design	Choose Yes or No	Permitting / routing / siting	Choose Yes or No	ROW / land acquisition	Choose Yes or No	Materials and equipment	Choose Yes or No	Construction and commissioning	Choose Yes or No	Construction management	Choose Yes or No	Overheads and miscellaneous costs	Choose Yes or No	Taxes	Choose Yes or No	AFUDC	Choose Yes or No	Escalation
Capital cost component	Component covered by cost containment																					
Engineering and design	Choose Yes or No																					
Permitting / routing / siting	Choose Yes or No																					
ROW / land acquisition	Choose Yes or No																					
Materials and equipment	Choose Yes or No																					
Construction and commissioning	Choose Yes or No																					
Construction management	Choose Yes or No																					
Overheads and miscellaneous costs	Choose Yes or No																					
Taxes	Choose Yes or No																					
AFUDC	Choose Yes or No																					
Escalation	Choose Yes or No																					
Indicate which components of capital costs fall under the cost cap.																						



10. Cost Containment Commitment

Instructions	Inputs
Describe any other cost containment measures not detailed above.	10.c. Describe any other Cost Containment Measures not covered above:
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
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
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	10.f. Redacted information