



Executive Summary

1. Executive Summary

Instructions	Inputs			
Provide the name of the Proposing Entity. If there are multiple entities, please identify each party.	1.a.	<table border="1"> <tr> <th data-bbox="1588 485 2225 526">Proposing Entity name</th> <td data-bbox="2225 485 2871 606"></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="1588 631 2225 681">Proposal window</th> <td data-bbox="2225 631 2871 681">2018/19 RTEP Long-Term Proposal Window</td> </tr> </table>	Proposal window	2018/19 RTEP Long-Term Proposal Window
Proposal window	2018/19 RTEP Long-Term Proposal Window			
Provide the Proposing Entity project proposal id. Use "A, B, C, ...", etc. to differentiate between proposals.	1.c.	<table border="1"> <tr> <th data-bbox="1588 701 2225 751">Proposal identification</th> <td data-bbox="2225 701 2871 751"></td> </tr> </table>	Proposal identification	
Proposal identification				
PJM proposal identification	1.d.	<table border="1"> <tr> <th data-bbox="1588 812 2225 852">PJM proposal identification</th> <td data-bbox="2225 812 2871 852">201819_1-322</td> </tr> </table>	PJM proposal identification	201819_1-322
PJM proposal identification	201819_1-322			
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 accommodations for the new line.)	1.e.	<table border="1"> <tr> <th data-bbox="1588 913 2225 953">General project description</th> <td data-bbox="2225 913 3052 1447"> <p>A new 345 kV line will be constructed between the Palmyra and Herleman Substations. The Palmyra Substation and surrounding property is owned by Associated Electric Cooperative Inc. ("AECI") and the Herleman Substation is owned by ATXI. The line will be constructed entirely on existing right-of-way and the project will include a rebuild of an existing Palmyra – Marblehead 161 kV line and a Marblehead – Herleman 138 kV line. At the Palmyra Substation the existing Palmyra – Marblehead 161 kV line will be rebuilt as a 345 kV/161 kV, double circuit line. This line will cross the Mississippi River. But, the river crossing has already been constructed as a 345 kV double circuit line. The conductors are installed hard in parallel on river crossing. The 161 kV circuit will terminate at the Marblehead Substation while the 345 kV circuit will bypass the Marblehead Substation. The existing Marblehead – Herleman 138 kV transmission line will also be rebuilt as a 345 kV/138 kV, double circuit line and will carry the 345 kV circuit into the Herleman Substation. When the project is commissioned, the result will be a 2nd Maywood – Herleman 345 kV transmission line that is constructed entirely on existing right-of-way. AECI will be submitting a Letter of Support to PJM for the proposed project.</p> </td> </tr> </table>	General project description	<p>A new 345 kV line will be constructed between the Palmyra and Herleman Substations. The Palmyra Substation and surrounding property is owned by Associated Electric Cooperative Inc. ("AECI") and the Herleman Substation is owned by ATXI. The line will be constructed entirely on existing right-of-way and the project will include a rebuild of an existing Palmyra – Marblehead 161 kV line and a Marblehead – Herleman 138 kV line. At the Palmyra Substation the existing Palmyra – Marblehead 161 kV line will be rebuilt as a 345 kV/161 kV, double circuit line. This line will cross the Mississippi River. But, the river crossing has already been constructed as a 345 kV double circuit line. The conductors are installed hard in parallel on river crossing. The 161 kV circuit will terminate at the Marblehead Substation while the 345 kV circuit will bypass the Marblehead Substation. The existing Marblehead – Herleman 138 kV transmission line will also be rebuilt as a 345 kV/138 kV, double circuit line and will carry the 345 kV circuit into the Herleman Substation. When the project is commissioned, the result will be a 2nd Maywood – Herleman 345 kV transmission line that is constructed entirely on existing right-of-way. AECI will be submitting a Letter of Support to PJM for the proposed project.</p>
General project description	<p>A new 345 kV line will be constructed between the Palmyra and Herleman Substations. The Palmyra Substation and surrounding property is owned by Associated Electric Cooperative Inc. ("AECI") and the Herleman Substation is owned by ATXI. The line will be constructed entirely on existing right-of-way and the project will include a rebuild of an existing Palmyra – Marblehead 161 kV line and a Marblehead – Herleman 138 kV line. At the Palmyra Substation the existing Palmyra – Marblehead 161 kV line will be rebuilt as a 345 kV/161 kV, double circuit line. This line will cross the Mississippi River. But, the river crossing has already been constructed as a 345 kV double circuit line. The conductors are installed hard in parallel on river crossing. The 161 kV circuit will terminate at the Marblehead Substation while the 345 kV circuit will bypass the Marblehead Substation. The existing Marblehead – Herleman 138 kV transmission line will also be rebuilt as a 345 kV/138 kV, double circuit line and will carry the 345 kV circuit into the Herleman Substation. When the project is commissioned, the result will be a 2nd Maywood – Herleman 345 kV transmission line that is constructed entirely on existing right-of-way. AECI will be submitting a Letter of Support to PJM for the proposed project.</p>			
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="1588 1497 2225 1568">Tie line impact</th> <td data-bbox="2225 1497 2505 1568">Yes</td> </tr> </table>	Tie line impact	Yes
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.	<table border="1"> <tr> <th data-bbox="1588 1639 2225 1699">Interregional project</th> <td data-bbox="2225 1639 2505 1699">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="1588 1759 2225 1840">Construct, own, operate and maintain</th> <td data-bbox="2225 1759 2505 1840">Yes</td> </tr> </table>	Construct, own, operate and maintain	Yes
Construct, own, operate and maintain	Yes			



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Instructions

Inputs

Total current year project cost estimate including estimates for any required Transmission Owner upgrades: **1.i.**

Project cost estimate (current year) \$ 33,763,669

Total in-service year project cost estimate including estimates for any required Transmission Owner upgrades: **1.j.**

Project cost estimate (in-service year) \$ 35,952,795

Project estimated schedule duration in months.

1.k. Project schedule duration 46

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.

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 Yes

1.q.ii. 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

The Project should be evaluated according to the MISO-PJM JOA and the PJM Operating Agreement and Tariff

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.

The Marblehead Transformer is a targeted flowgate in both MISO and PJM



3. Major Project Components

Instructions

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).

Provide a component project cost breakdown into the identified categories along with a total component cost. Costs should be in current year dollars.

If this proposal is being submitted as Market Efficiency project, provide an in-service year component project total cost.

Identify the entity who will be designated the component.

		Component 1	Component 2	Component 3
3.a.	Component description(s)	Add a breaker to the Herleman ring bus to accommodate the new line position. There is a position available so no expansion is needed.	Rebuild the Palmyra – Marblehead 161 kV line and the Marblehead – Herleman 138 kV line as double circuit lines. On the open position run a 345 kV line from Palmyra to Herleman creating a new Palmyra – Herleman 345 kV line.	Construct a 345 kV three (3) position ring bus at the existing Palmyra substation. The property is already owned so no new property will need to be purchased.
3.b.	Component cost (current year)			
	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	\$ 2,200,339	\$ 25,926,280	\$ 5,637,049
3.c.	Component cost (in-service year)	\$ 2,282,873	\$ 26,979,576	\$ 6,690,345
3.d.	Construction responsibility			



Substation Upgrade Component

5. Substation Upgrade Component

Instructions	Inputs-1		
Provide the corresponding component number from the "Project Components" tab of the	<table border="1"> <tr> <td data-bbox="1439 471 2001 506">5.a. Component number</td> <td data-bbox="2001 471 2828 506">1</td> </tr> </table>	5.a. Component number	1
5.a. Component number	1		
Identify the name of the existing substation where the upgrade will take place.	<table border="1"> <tr> <td data-bbox="1439 546 2001 580">5.b. Substation</td> <td data-bbox="2001 546 2828 580">Herleman</td> </tr> </table>	5.b. Substation	Herleman
5.b. Substation	Herleman		
Describe the scope of the upgrade work at the identified substation.	<table border="1"> <tr> <td data-bbox="1439 612 2001 647">5.c. Substation upgrade scope</td> <td data-bbox="2001 612 2828 782">Upgrade Herleman substation ring bus to include 4th position.</td> </tr> </table>	5.c. Substation upgrade scope	Upgrade Herleman substation ring bus to include 4th position.
5.c. Substation upgrade scope	Upgrade Herleman substation ring bus to include 4th position.		
Describe any new substation equipment and provide the equipment ratings.	<table border="1"> <tr> <td data-bbox="1439 814 2001 848">5.d. New equipment description</td> <td data-bbox="2001 814 2828 1010">One (1) New 345kV Circuit Breaker Three (3) New 345kV Disconnect Switches Bus, Conductor, and Instrument Transformers</td> </tr> </table>	5.d. New equipment description	One (1) New 345kV Circuit Breaker Three (3) New 345kV Disconnect Switches Bus, Conductor, and Instrument Transformers
5.d. New equipment description	One (1) New 345kV Circuit Breaker Three (3) New 345kV Disconnect Switches Bus, Conductor, and Instrument Transformers		
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.	<table border="1"> <tr> <td data-bbox="1439 1036 2001 1070">5.e. Substation assumptions</td> <td data-bbox="2001 1036 2828 1237">ATXI has confirmed that there is room in the substation to add the breaker position at Herleman. ATXI owns the Herleman substation.</td> </tr> </table>	5.e. Substation assumptions	ATXI has confirmed that there is room in the substation to add the breaker position at Herleman. ATXI owns the Herleman substation.
5.e. Substation assumptions	ATXI has confirmed that there is room in the substation to add the breaker position at Herleman. ATXI owns the Herleman substation.		
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.	<table border="1"> <tr> <td data-bbox="1439 1278 2001 1419">5.f. Substation drawings</td> <td data-bbox="2001 1278 2828 1419"></td> </tr> </table>	5.f. Substation drawings	
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.	<table border="1"> <tr> <td data-bbox="1439 1459 2001 1493">5.g. Real-estate plan</td> <td data-bbox="2001 1459 2828 1620">The fence line will not need to be expanded</td> </tr> </table>	5.g. Real-estate plan	The fence line will not need to be expanded
5.g. Real-estate plan	The fence line will not need to be expanded		
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	<table border="1"> <tr> <td data-bbox="1439 1661 2001 1695">5.h. Redacted information</td> <td data-bbox="2001 1661 2828 1778">N/A</td> </tr> </table>	5.h. Redacted information	N/A
5.h. Redacted information	N/A		



Reconductor/Rebuild Transmission Line Component

4. Transmission Line Reconductor/Rebuild Component						
Instructions	Inputs - 1					
Provide the corresponding component number from the "Project Components" tab of the proposal template.	<table border="1"> <tr> <td>4.a. Component number</td> <td>2</td> </tr> </table>	4.a. Component number	2			
4.a. Component number	2					
Identify the line terminal points. Add additional spaces if required.	<table border="1"> <tr> <td rowspan="4">4.b. Terminal points</td> <td>Palmyra 345 kV Substation</td> </tr> <tr> <td>Palmyra 161 kV Substation</td> </tr> <tr> <td>Marblehead 136/138 kV substation</td> </tr> <tr> <td>Herleman 345 kV substation</td> </tr> </table>	4.b. Terminal points	Palmyra 345 kV Substation	Palmyra 161 kV Substation	Marblehead 136/138 kV substation	Herleman 345 kV substation
4.b. Terminal points	Palmyra 345 kV Substation					
	Palmyra 161 kV Substation					
	Marblehead 136/138 kV substation					
	Herleman 345 kV substation					
Provide the size and type conductor that will be removed.	<table border="1"> <tr> <td colspan="2">Existing Line Physical Characteristics</td> </tr> <tr> <td>4.c. Existing conductor size and type</td> <td>954 kcmil 45/7 Rail ACSR</td> </tr> </table>	Existing Line Physical Characteristics		4.c. Existing conductor size and type	954 kcmil 45/7 Rail ACSR	
Existing Line Physical Characteristics						
4.c. Existing conductor size and type	954 kcmil 45/7 Rail ACSR					
Indicate whether the existing line hardware will be reused. If so, provide the age and condition of the hardware.	<table border="1"> <tr> <td>4.d. Existing hardware plan</td> <td>All new hardware</td> </tr> </table>	4.d. Existing hardware plan	All new hardware			
4.d. Existing hardware plan	All new hardware					
Provide the condition and age of the existing structures. Describe the findings of any recent inspections or of analysis that has indicated a need for structural repair or reinforcement to re-conductor the line.	<table border="1"> <tr> <td>4.e. Existing tower line characteristics</td> <td>With the exception of the structures that span the Mississippi River all other structure will be replaced as part of the scope of this project. The Mississippi River crossing is constructed on steal lattice towers and is in good condition</td> </tr> </table>	4.e. Existing tower line characteristics	With the exception of the structures that span the Mississippi River all other structure will be replaced as part of the scope of this project. The Mississippi River crossing is constructed on steal lattice towers and is in good condition			
4.e. Existing tower line characteristics	With the exception of the structures that span the Mississippi River all other structure will be replaced as part of the scope of this project. The Mississippi River crossing is constructed on steal lattice towers and is in good condition					
Describe the terrain that the existing line traverses. Additionally, provide a Google Earth .KMZ file with the existing line path as an included document with the project proposal package.	<table border="1"> <tr> <td>4.f. Terrain description</td> <td>Generally flat farmfield with little elevation change with a 4650 ft river crossing. The river corssing is already constructed for a double circuit 345 kV line. It will not require any additional work.</td> </tr> </table>	4.f. Terrain description	Generally flat farmfield with little elevation change with a 4650 ft river crossing. The river corssing is already constructed for a double circuit 345 kV line. It will not require any additional work.			
4.f. Terrain description	Generally flat farmfield with little elevation change with a 4650 ft river crossing. The river corssing is already constructed for a double circuit 345 kV line. It will not require any additional work.					
Provide the target ratings for the line.	<table border="1"> <tr> <td colspan="2">Reconductor/Rebuild Component Plan</td> </tr> <tr> <td>4.g. Component target ratings</td> <td>345kV line: 2600 A, 161kV line: 1600</td> </tr> </table>	Reconductor/Rebuild Component Plan		4.g. Component target ratings	345kV line: 2600 A, 161kV line: 1600	
Reconductor/Rebuild Component Plan						
4.g. Component target ratings	345kV line: 2600 A, 161kV line: 1600					
Provide the type and size of the conductor to be installed.	<table border="1"> <tr> <td>4.h. Proposed conductor size and type</td> <td>345kV: Bundled (2 cond.) 795 kcm 26/7 Drake ACSS 161kV: 795 kcm 26/7 Drake ACSS</td> </tr> </table>	4.h. Proposed conductor size and type	345kV: Bundled (2 cond.) 795 kcm 26/7 Drake ACSS 161kV: 795 kcm 26/7 Drake ACSS			
4.h. Proposed conductor size and type	345kV: Bundled (2 cond.) 795 kcm 26/7 Drake ACSS 161kV: 795 kcm 26/7 Drake ACSS					



Reconductor/Rebuild Transmission Line Component

4. Transmission Line Reconductor/Rebuild Component	
Instructions	Inputs - 1
Provide the corresponding component number from the "Project Components" tab of the proposal template.	4.a. Component number <input type="text" value="2"/>
If the shield wire is to be replaced, identify the type and size to be used.	4.i. Proposed shield wire size and type <input type="text" value="7#7 Alumoweld"/>
Describe the amount of the line that is anticipated to be rebuilt versus reconducted. Provide any assumptions that were used in arriving at this determination. If specific line sections have been identified for rebuild, provide route maps for (or specify in a Google Earth .KMZ file) those segments and identify the areas.	4.j. Rebuild portion <input type="text" value="The entire line will be rebuilt as a double circuit (one 345kV circuit and one 161kV circuit) line on steel monopole structures. Tangents and angles up to 20° line angles will be suspension structures utilizing V-string hardware assemblies. Above 20° line angles will be strain structures."/>
Describe the segments of the existing right-of-way that will need to be expanded or any newly required rights-of-way that will be required. If new or expanded right-of-way is required, provide route maps for (or specify in a Google Earth .KMZ file) those segments and identify the areas.	4.k. Right of way <input type="text" value="No new right of way is required to construct this project."/>
Describe any files or information that has been redacted from this section and provide the basis for the redaction.	4.l. Redacted information <input type="text" value=""/>



Substation Upgrade Component

5. Substation Upgrade Component

Instructions

Provide the corresponding component number from the "Project Components" tab of the |

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

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

Describe any new substation equipment and provide the equipment ratings.

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.

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.

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.

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

Inputs-1

5.a.

Component number

3

5.b.

Substation

Palmyra 3 Position 4 Ultimate Ring Bus

5.c.

Substation upgrade scope

Construct new 345kV ring bus at existing Palmyra substation.

5.d.

New equipment description

Control enclosure
Three (3) new 345kV Circuit Breakers
Six (6) new 345kV Disconnect Switches
Misc. bus, conductor, instrument transformers

5.e.

Substation assumptions

1. Site work inside fence is construction ready.
2. Substation fence does not require modifications or property expansion
3. Ground grid assumed to be adequate at existing substation expansion area.

5.f.

Substation drawings

5.g.

Real-estate plan

The fence line will not need to be expanded

5.h.

Redacted information

N/A

9. Project Financial Information

Instructions

Inputs

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.

9.a.	Capital spend start date (Mo-Yr)	Jan-19
	Construction start date (Mo-Yr)	Jan-22
	Commercial operation date (Mo-Yr)	Jun-23

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. Capital expenditure estimates should include all capital expenditure, including any 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							
	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	\$ 32,155,875	\$ -	\$ 219,680	\$ 1,128,923	\$ 21,168,814	\$ 9,638,458	\$ -

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

9.c.	Total	2019	2020	2021	2022	2023	2024
	AFUDC	\$ 1,607,794		\$ 10,984	\$ 56,446	\$ 1,058,441	\$ 481,923

9.d.	Assumptions for the capital expenditure estimate
	<p>██████████ project cost estimate is based upon the following assumptions:</p> <ul style="list-style-type: none"> • Schedule float to account for typical amount of in climate weather for the region; • A typical construction work schedule; • Design based upon and in accordance with ██████████ transmission design standards; • Vendor standard delivery times for material components; • Reasonable access to the construction area; • Blanket pricing for key material components that is in place with strategic suppliers; • Contingency covering the degree of unknowns currently in place at this stage. • Reasonable availability for outages to make interconnections. • Palmyra Ring Bus – Assumed ground grid is existing in the AECI yard

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.).

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

9.e.	Redacted information
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Cost Containment Commitment

10. Cost Containment Commitment

Instructions	Inputs																									
Provide a description of the cost containment mechanism being proposed.	10.a.	<table border="1"> <thead> <tr> <th data-bbox="1588 471 2153 546">Cost containment commitment description</th> </tr> </thead> <tbody> <tr> <td data-bbox="1588 546 2983 616">NA</td> </tr> </tbody> </table>	Cost containment commitment description	NA																						
Cost containment commitment description																										
NA																										
Indicate what project scope is covered by the proposed cost containment commitment. Identify the components covered by number.	10.b.	<table border="1"> <thead> <tr> <th data-bbox="1588 649 2153 723">Project scope covered by the cost containment commitment</th> </tr> </thead> <tbody> <tr> <td data-bbox="1588 723 2983 794">NA</td> </tr> </tbody> </table>	Project scope covered by the cost containment commitment	NA																						
Project scope covered by the cost containment commitment																										
NA																										
Provide, in present year dollars and year of occurrence dollars, the Proposing Entity's proposed binding cap on capital expenditures.	10.b.i.	<table border="1"> <tbody> <tr> <td data-bbox="1588 830 2153 874">Cost cap in present year dollars</td> <td data-bbox="2153 830 2433 874">\$ -</td> </tr> <tr> <td data-bbox="1588 874 2153 939">Cost cap in in-service year dollars</td> <td data-bbox="2153 874 2433 939">\$ -</td> </tr> </tbody> </table>	Cost cap in present year dollars	\$ -	Cost cap in in-service year dollars	\$ -																				
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.	<table border="1"> <thead> <tr> <th data-bbox="1588 971 2153 1016">Additional Information on cost cap:</th> </tr> </thead> <tbody> <tr> <td data-bbox="1588 1016 2983 1137"></td> </tr> </tbody> </table>	Additional Information on cost cap:																							
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Indicate which components of capital costs fall under the cost cap.	10.b.iii.	<table border="1"> <thead> <tr> <th colspan="2" data-bbox="1588 1173 2153 1247">Cost containment capital expenditure exemptions</th> </tr> <tr> <th data-bbox="1588 1247 2153 1358">Capital cost component</th> <th data-bbox="2153 1247 2433 1358">Component covered by cost containment</th> </tr> </thead> <tbody> <tr> <td data-bbox="1588 1358 2153 1393">Engineering and design</td> <td data-bbox="2153 1358 2433 1393">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1393 2153 1427">Permitting / routing / siting</td> <td data-bbox="2153 1393 2433 1427">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1427 2153 1461">ROW / land acquisition</td> <td data-bbox="2153 1427 2433 1461">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1461 2153 1495">Materials and equipment</td> <td data-bbox="2153 1461 2433 1495">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1495 2153 1530">Construction and commissioning</td> <td data-bbox="2153 1495 2433 1530">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1530 2153 1564">Construction management</td> <td data-bbox="2153 1530 2433 1564">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1564 2153 1598">Overheads and miscellaneous costs</td> <td data-bbox="2153 1564 2433 1598">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1598 2153 1632">Taxes</td> <td data-bbox="2153 1598 2433 1632">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1632 2153 1667">AFUDC</td> <td data-bbox="2153 1632 2433 1667">Choose Yes or No</td> </tr> <tr> <td data-bbox="1588 1667 2153 1701">Escalation</td> <td data-bbox="2153 1667 2433 1701">Choose Yes or No</td> </tr> </tbody> </table>	Cost containment capital expenditure exemptions		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
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Cost Containment Commitment

10. Cost Containment Commitment

Instructions

Describe any other cost containment measures not detailed 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.

Explain any plans the proposing entity has in place to address the situation where project actual costs exceed the proposed cost containment commitment.

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

Inputs

10.c.

Describe any other Cost Containment Measures not covered above:

10.d.

Cost Commitment Legal Language

10.e.

Actuals Exceed Commitment

10.f.

Redacted information