



## 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			



## Executive Summary

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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



## Executive Summary

### 1. Executive Summary

#### 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
<b>3.a.</b>	<b>Component description(s)</b>	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.
<b>3.b.</b>	<b>Component cost (current year)</b>	[REDACTED]		
	Engineering and design			
	Permitting / routing / siting			
	ROW / land acquisition			
	Materials and equipment			
	Construction and commissioning			
	Construction management			
	Overheads and miscellaneous costs			
	Contingency			
	<b>Total component cost</b>	\$ 2,200,339	\$ 25,926,280	\$ 5,637,049
<b>3.c.</b>	<b>Component cost (in-service year)</b>	\$ 2,282,873	\$ 26,979,576	\$ 6,690,345
<b>3.d.</b>	<b>Construction responsibility</b>	[REDACTED]		



## 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"><b>5.a. Component number</b></td> <td data-bbox="2001 471 2828 506">1</td> </tr> </table>	<b>5.a. Component number</b>	1
<b>5.a. Component number</b>	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"><b>5.b. Substation</b></td> <td data-bbox="2001 546 2828 580">Herleman</td> </tr> </table>	<b>5.b. Substation</b>	Herleman
<b>5.b. Substation</b>	Herleman		
Describe the scope of the upgrade work at the identified substation.	<table border="1"> <tr> <td data-bbox="1439 612 2001 647"><b>5.c. Substation upgrade scope</b></td> <td data-bbox="2001 612 2828 782">Upgrade Herleman substation ring bus to include 4th position.</td> </tr> </table>	<b>5.c. Substation upgrade scope</b>	Upgrade Herleman substation ring bus to include 4th position.
<b>5.c. Substation upgrade scope</b>	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"><b>5.d. New equipment description</b></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>	<b>5.d. New equipment description</b>	One (1) New 345kV Circuit Breaker Three (3) New 345kV Disconnect Switches Bus, Conductor, and Instrument Transformers
<b>5.d. New equipment description</b>	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"><b>5.e. Substation assumptions</b></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>	<b>5.e. Substation assumptions</b>	ATXI has confirmed that there is room in the substation to add the breaker position at Herleman. ATXI owns the Herleman substation.
<b>5.e. Substation assumptions</b>	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"><b>5.f. Substation drawings</b></td> <td data-bbox="2001 1278 2828 1419"></td> </tr> </table>	<b>5.f. Substation drawings</b>	
<b>5.f. Substation drawings</b>			
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"><b>5.g. Real-estate plan</b></td> <td data-bbox="2001 1459 2828 1620">The fence line will not need to be expanded</td> </tr> </table>	<b>5.g. Real-estate plan</b>	The fence line will not need to be expanded
<b>5.g. Real-estate plan</b>	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"><b>5.h. Redacted information</b></td> <td data-bbox="2001 1661 2828 1778">N/A</td> </tr> </table>	<b>5.h. Redacted information</b>	N/A
<b>5.h. Redacted information</b>	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"><b>Existing Line Physical Characteristics</b></td> </tr> <tr> <td>4.c. Existing conductor size and type</td> <td>954 kcmil 45/7 Rail ACSR</td> </tr> </table>	<b>Existing Line Physical Characteristics</b>		4.c. Existing conductor size and type	954 kcmil 45/7 Rail ACSR	
<b>Existing Line Physical Characteristics</b>						
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"><b>Reconductor/Rebuild Component Plan</b></td> </tr> <tr> <td>4.g. Component target ratings</td> <td>345kV line: 2600 A, 161kV line: 1600</td> </tr> </table>	<b>Reconductor/Rebuild Component Plan</b>		4.g. Component target ratings	345kV line: 2600 A, 161kV line: 1600	
<b>Reconductor/Rebuild Component Plan</b>						
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

Provide the corresponding component number from the "Project Components" tab of the proposal template.

If the shield wire is to be replaced, identify the type and size to be used.

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.

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.

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

### Inputs - 1

4.a.	Component number	2
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4.i.	Proposed shield wire size and type	7#7 Alumoweld
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4.j.	Rebuild portion	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.
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4.k.	Right of way	No new right of way is required to construct this project.
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4.l.	Redacted information	
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## Substation Upgrade Component

### 5. Substation Upgrade Component

Instructions	Inputs-1			
Provide the corresponding component number from the "Project Components" tab of the	5.a.	<table border="1"> <tr> <th data-bbox="1395 469 1961 506">Component number</th> <td data-bbox="1961 469 2784 506">3</td> </tr> </table>	Component number	3
Component number	3			
Identify the name of the existing substation where the upgrade will take place.	5.b.	<table border="1"> <tr> <th data-bbox="1395 542 1961 578">Substation</th> <td data-bbox="1961 542 2784 578">Palmyra 3 Position 4 Ultimate Ring Bus</td> </tr> </table>	Substation	Palmyra 3 Position 4 Ultimate Ring Bus
Substation	Palmyra 3 Position 4 Ultimate Ring Bus			
Describe the scope of the upgrade work at the identified substation.	5.c.	<table border="1"> <tr> <th data-bbox="1395 612 1961 649">Substation upgrade scope</th> <td data-bbox="1961 612 2784 782">Construct new 345kV ring bus at existing Palmyra substation.</td> </tr> </table>	Substation upgrade scope	Construct new 345kV ring bus at existing Palmyra substation.
Substation upgrade scope	Construct new 345kV ring bus at existing Palmyra substation.			
Describe any new substation equipment and provide the equipment ratings.	5.d.	<table border="1"> <tr> <th data-bbox="1395 818 1961 854">New equipment description</th> <td data-bbox="1961 818 2784 1008">Control enclosure Three (3) new 345kV Circuit Breakers Six (6) new 345kV Disconnect Switches Misc. bus, conductor, instrument transformers</td> </tr> </table>	New equipment description	Control enclosure Three (3) new 345kV Circuit Breakers Six (6) new 345kV Disconnect Switches Misc. bus, conductor, instrument transformers
New equipment description	Control enclosure Three (3) new 345kV Circuit Breakers Six (6) new 345kV Disconnect Switches Misc. bus, conductor, 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.	5.e.	<table border="1"> <tr> <th data-bbox="1395 1044 1961 1080">Substation assumptions</th> <td data-bbox="1961 1044 2784 1237">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.</td> </tr> </table>	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.
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.			
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="1395 1274 1961 1423">Substation drawings</th> <td data-bbox="1961 1274 2784 1423"></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="1395 1461 1961 1497">Real-estate plan</th> <td data-bbox="1961 1461 2784 1622">The fence line will not need to be expanded</td> </tr> </table>	Real-estate plan	The fence line will not need to be expanded
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.	5.h.	<table border="1"> <tr> <th data-bbox="1395 1675 1961 1711">Redacted information</th> <td data-bbox="1961 1675 2784 1778">N/A</td> </tr> </table>	Redacted information	N/A
Redacted information	N/A			





## Cost Containment Commitment

### 10. Cost Containment Commitment

Instructions	Inputs																						
<p>Provide a description of the cost containment mechanism being proposed.</p>	<p><b>10.a.</b> <b>Cost containment commitment description</b></p> <p>NA</p>																						
<p>Indicate what project scope is covered by the proposed cost containment commitment. Identify the components covered by number.</p>	<p><b>10.b.</b> <b>Project scope covered by the cost containment commitment</b></p> <p>NA</p>																						
<p>Provide, in present year dollars and year of occurrence dollars, the Proposing Entity's proposed binding cap on capital expenditures.</p>	<p><b>10.b.i.</b> <b>Cost cap in present year dollars</b>    \$    -</p> <p><b>Cost cap in in-service year dollars</b>    \$    -</p>																						
<p>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.</p>	<p><b>10.b.ii.</b> <b>Additional Information on cost cap:</b></p> <p></p>																						
<p>Indicate which components of capital costs fall under the cost cap.</p>	<p><b>10.b.iii.</b> <b>Cost containment capital expenditure exemptions</b></p> <table border="1"> <thead> <tr> <th>Capital cost component</th> <th>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	Choose Yes or No
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																						



# 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