Joshua Falls - Vontay - Morrisville South

General Information

Proposing entity name	Company confidential and proprietary information
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	Company confidential and proprietary information
Company proposal ID	Company confidential and proprietary information
PJM Proposal ID	665
Project title	Joshua Falls - Vontay - Morrisville South
Project description	This proposal includes the following major system components: Joshua Falls 765kV station expansion including 2 765kV CB’s. A new 765kV line from Joshua Falls to the new Vontay 765/500 station. A new 765kV line from the new Vontay 765/500 station to the new South Morrisville 765/500 station.
Email	Company confidential and proprietary information
Project in-service date	12/2029
Tie-line impact	Yes
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	Company confidential and proprietary information

Project Components

1. Joshua Falls – Vontay 765 kV Line
2. Vontay Station Greenfield Station
3. Vontay - South Morrisville 765 kV
4. Vontay Cut-in lines

5. Joshua Falls Upgrade
6. South Morrisville Station
7. South Morrisville Cut-ins

Greenfield Transmission Line Component

Component title	Joshua Falls – Vontay 765 kV Line	
Project description	Company confidential and proprietary information	
Point A	Joshua Falls Station	
Point B	Vontay Station	
Point C		
	Normal ratings	Emergency ratings
Summer (MVA)	4047.000000	4571.000000
Winter (MVA)	6485.000000	6485.000000
Conductor size and type	The new single circuit line will be constructed using 6 Bundled – 795 kcmil (45/7 Strand) ACSR “Tern” conductor.	
Nominal voltage	AC	
Nominal voltage	765	
Line construction type	Overhead	

General route description	The Proposing Entity assessed environmental and land use constraints and opportunities within an area that included the existing Joshua Falls substation and the greenfield Vontay substation as the two endpoints. The evaluation resulted in the Bid Route that extends approximately 92-miles of greenfield 765kV transmission line through 9 counties (Campbell, Amherst, Nelson, Albemarle, Buckingham, Fluvanna, Goochland, Louisa, and Hanover) in Virginia. The 765kV line exits the existing Joshua Falls Substation from the north, then travels in a northeastern direction, utilizing 19.8-miles of existing ROW and paralleling 41.8-miles of existing transmission line, to its connection with the greenfield Vontay substation from the west. No habitable structures are present within the proposed ROW. Overall, the Route selected is the most direct route between the two existing substations and has the least overall impact on land use and environmental resources based on the Proposing Entity's qualitative review. The Route significantly reduces the number of new access roads, reducing overall constructability impacts.
Terrain description	The topography for the Joshua Falls–Vontay 765kV line is relatively hilly. Land use in the area encompasses mostly agricultural and residential parcels in rural Virginia. The line crosses low density developed areas, a significant amount of highly vegetated (wooded) rural land, state/county highways, railroads, water crossings, and existing utilities.
Right-of-way width by segment	The Joshua Falls–Vontay 765kV greenfield route ROW will be 200 feet in width and will parallel/cross existing rights-of-way to include interstates, roads, railroads, existing transmission lines/utilities, existing pipelines and best minimizes potential impacts to the natural and human environments.
Electrical transmission infrastructure crossings	37.5615, -79.0116, 37.624, -78.9181, 37.7069, -78.306, 37.7123, -78.2893, 37.7123, -78.2895, 37.7124, -78.2899, 37.7765, -78.6078, 37.777, -78.4883, 37.7877, -78.1577, 37.7935, -78.5199, 37.8119, -78.1019, In addition to these crossings, it is assumed there are additional, and smaller kV lines, being crossed along areas such as major roadways.
Civil infrastructure/major waterway facility crossing plan	Theoshua Falls–Vontay 765kV line greenfield route crosses and runs parallel with multiple railroads, numerous water facilities, and large underground pipelines. The most notable water crossings are the James River (three crossings) located at 37.4317, -79.0415; 37.7093, -78.3008; and 37.7871, -78.4987; the Buffalo River located at 37.5827, -78.984; the Tye River located at 37.6322, -78.9034; the Rivanna River located at 37.7702, -78.1725; the Rockfish River located at 37.7633, -78.6738; and the Slate River located at 37.7107, -78.342. The CSX railroad crossings are located at 37.434, -79.0436; 37.7109, -78.2974; and 37.7877, -78.5016 The Buckingham Branch Railroad Company crossings are located at 37.7087, -78.3361 and 37.7091, -78.3013 The 765kv line runs parallel with two pipelines, first in northern Buckingham County south of the James River, and second in Fluvanna County (south end at 37.7707, -78.1677, north end at 37.7875, -78.1586). The transmission crosses these and other pipelines.

Environmental impacts	Land use along the Bid Route corridor is a predominantly rural agricultural landscape with pockets of residential development. The route intersects FEMA-mapped floodplains and/or floodways and NWI-mapped wetlands primarily adjacent to streams and low-lying areas. Named and unnamed streams also bisect the route in various locations. Based on existing aerial photography, the proposed route likely has unmapped wetland or drainage features. Timing of construction will be executed in accordance with state and federal agencies criteria as needed. Desktop studies and record reviews for the station parcel and line route will be conducted for wetlands and streams, hazardous materials, and cultural resources. Following field studies, data will be digitized and provided to engineering so that pole locations and the station is sited to maximize avoidance of sensitive resources. For example, poles will be placed outside of or span wetlands, streams, and floodplains to the greatest extent possible. Existing access and roads will be utilized to access pole locations. If necessary, temporary access roads to pole locations will be identified and field surveyed for environmental and cultural resources and will be adjusted to avoid or minimize impacts.
Tower characteristics	This 765kV line will predominantly utilize a combination of self-supporting and guyed-V lattice tower construction that is horizontally configured. The predominant structure type will be guyed-V suspension towers supported by a center grillage and four bridge-strand guys and anchors. Self-supporting suspension towers, running-corner suspension towers, and tension structures will predominantly utilize concrete drilled pier foundations with grillage foundations reserved for areas of steeper terrain.
Construction responsibility	Company confidential and proprietary information
Benefits/Comments	Company confidential and proprietary information
Component Cost Details - In Current Year $	
Engineering & design	Company confidential and proprietary information
Permitting / routing / siting	Company confidential and proprietary information
ROW / land acquisition	Company confidential and proprietary information
Materials & equipment	Company confidential and proprietary information
Construction & commissioning	Company confidential and proprietary information
Construction management	Company confidential and proprietary information
Overheads & miscellaneous costs	Company confidential and proprietary information
Contingency	Company confidential and proprietary information

Total component cost	$480,000,000.00
Component cost (in-service year)	$540,244,229.00

Greenfield Substation Component

Component title	Vontay Station Greenfield Station
Project description	Company confidential and proprietary information
Substation name	Vontay Station
Substation description	• Construct a new 765/500kV substation at Palmyra junction (Vontay Substation) using redundant-breaker scheme (Dominion already owns the land). • Install one (1) 765/500kV transformer bank at Vontay Substation. • Tie the two existing 500kV lines from North Anna-Midlothian and Cunningham-Elmont into the new Vontay Substation.
Nominal voltage	AC
Nominal voltage	765/500

Transformer Information

	Name	Capacity (MVA)
Transformer	Transformer Bank #1	

	High Side	Low Side	Tertiary
Voltage (kV)	765	500	

Major equipment description	1. Three (3), 765/500kV Single Phase Transformer Banks 2. Three (3), 765kV, 50kAIC, SF6 Circuit Breakers 3. Seven (7), 765kV Motor Operated Double End Break Switches 4. Eight (8), 765kV Coupling Capacitor Voltage Transformers, Relay Accuracy 5. Nine (9), 476kV MCOV Station Class Surge Arresters 6. Two (2), 765kV Backbone Structures (by Transmission) 7. Twelve (12), 500kV, 63kAIC, SF6 Circuit Breakers 8. Thirteen (13), 500kV Double End Break Switches 9. Fourteen (14), 500kV Coupling Capacitor Voltage Transformers, Relay Accuracy 10. Sixteen (16), 396kV, 318kV Station Class Surge Arresters 11. Two (2), 500kV Backbone Structures

	Normal ratings	Emergency ratings

Summer (MVA)	2987.000000	3604.000000
Winter (MVA)	3792.000000	4140.000000
Environmental assessment	Land use for greenfield Vontay substation is flat rural forested/timber landscape. The substation will lie adjacent and outside FEMA-mapped floodplains and/or floodways and NWI-mapped wetlands primarily adjacent to streams and low-lying areas. Based on existing aerial photography, the proposed greenfield Vontay substation route likely has unmapped wetland or drainage features. Timing of construction will be executed in accordance with state and federal agencies criteria as needed. Desktop studies and record reviews for the station and line route will be conducted for wetlands and streams, hazardous materials, and cultural resources. Following field studies, data will be digitized and provided to engineering so that pole locations and the station is sited to maximize avoidance of sensitive resources. For example, poles will be placed outside of or span wetlands, streams, and floodplains to the greatest extent possible. Existing access and roads will be utilized to access pole locations. If necessary, temporary access roads to pole locations will be identified and field surveyed for environmental and cultural resources and will be adjusted to avoid or minimize impacts.	
Outreach plan	Public outreach is a critical component to the Proposing Entity’s siting process, so efforts will include properly informing the public; federal, state, and local agencies; local governments; and other key stakeholders on the need for, and benefits of, this Project. The Proposing Entity’s approach to public outreach is to be always candid and transparent, and to offer a variety of tools and means for directly impacted parties to engage with our staff. The Proposing Entity will provide development updates to local government officials, key stakeholders, and impacted parties as the Project progresses. Public outreach also will involve collecting information about landowner properties and communicating with directly affected landowners during the final siting process.	
Land acquisition plan	The proposed greenfield Vontay substation will be 43 acres in size and located on undeveloped flat forested/timber land in rural Hanover County, Virginia. This land is already purchased.	
Construction responsibility	Company confidential and proprietary information	
Benefits/Comments	Company confidential and proprietary information	
Component Cost Details - In Current Year $		
Engineering & design	Company confidential and proprietary information	
Permitting / routing / siting	Company confidential and proprietary information	
ROW / land acquisition	Company confidential and proprietary information	
Materials & equipment	Company confidential and proprietary information	

Construction & commissioning	Company confidential and proprietary information
Construction management	Company confidential and proprietary information
Overheads & miscellaneous costs	Company confidential and proprietary information
Contingency	Company confidential and proprietary information
Total component cost	$158,740,787.00
Component cost (in-service year)	$178,664,155.00

Greenfield Transmission Line Component

Component title	Vontay - South Morrisville 765 kV
Project description	Company confidential and proprietary information
Point A	Vontay Station
Point B	South Morrisville Station
Point C	

	Normal ratings	Emergency ratings
Summer (MVA)	4047.000000	4571.000000
Winter (MVA)	6485.000000	6485.000000

Conductor size and type	The new single circuit line will be constructed using 6 Bundled – 795 kcmil (45/7 Strand) ACSR “Tern” conductor.
Nominal voltage	AC
Nominal voltage	765
Line construction type	Overhead

General route description	The Proposing Entity assessed environmental and land use constraints and opportunities within an area that included the greenfield Vontay substation and the greenfield South Morrisville substation as the two endpoints. The evaluation resulted in the Bid Route that extends approximately 54-miles of greenfield line through 6 counties (Hanover, Louisa, Spotsylvania, Orange, Culpeper, and Fauquier) in Virginia. The 765kV line exits the greenfield Vontay substation from the east, then travels in a predominantly northerly direction, utilizing 53.8-miles of existing ROW, until it reaches the South Morrisville substation from the southwest. No habitable structures are present within the proposed ROW. Overall, the Route selected is the most direct route between the two existing substations and has the least overall impact to land use and environmental resources based on the Proposing Entity's qualitative review. The Route significantly reduces the number of new access roads, reducing overall constructability impacts.
Terrain description	The topography for the greenfield Vontay-South Morrisville 765kV line is relatively hilly. Land use in the area encompasses mostly agricultural and residential parcels in rural Virginia. The line crosses low density developed areas, a significant amount of highly vegetated (wooded) rural land, state/county highways, railroads, water crossings, and existing utilities.
Right-of-way width by segment	The Joshua Falls–Vontay 765kV greenfield route ROW will be 200 feet in width and will parallel/cross existing rights-of-way to include interstates, roads, railroads, existing transmission lines/utilities, existing pipelines and best minimizes potential impacts to the natural and human environments.
Electrical transmission infrastructure crossings	37.8848, -77.7898, 38.0617, -77.8004, 38.2378, -77.783, In addition to these crossings, it is assumed there are additional, and smaller kV lines, being crossed along areas such as major roadways.
Civil infrastructure/major waterway facility crossing plan	The greenfield Vontay-South Morrisville 765kV line greenfield route crosses & runs parallel with multiple railroads, numerous water facilities, and large underground pipelines. The most notable water crossings are the Rappahannock River located at 38.4266, -77.7501; the Rapidan River located at 38.3908, -77.7631; Lake Anna (three crossings) located at 38.0089, -77.7907; 38.0335, -77.7943; and 38.0801, -77.7979; the North Anna River located at 38.0787, -77.7981; the South Anna River located at 37.772, -77.7663; the Po River located at 38.2354, -77.7836; and the Little River located at 37.9366, -77.7838. The Buckingham Branch Railroad Company crossings are located at 37.9648, -77.7823 and 38.0586, -77.7991 The transmission line does not parallel or cross any major interstate pipelines.

Environmental impacts	Land use along the Bid Route corridor is a predominantly rural agricultural landscape with pockets of residential development. The route intersects FEMA-mapped floodplains and/or floodways and NWI-mapped wetlands primarily adjacent to streams and low-lying areas. Named and unnamed streams also bisect the route in various locations. Based on existing aerial photography, the proposed route likely has unmapped wetland or drainage features. Timing of construction will be executed in accordance with state and federal agencies criteria as needed. Desktop studies and record reviews for the station parcel and line route will be conducted for wetlands and streams, hazardous materials, and cultural resources. Following field studies, data will be digitized and provided to engineering so that pole locations and the station is sited to maximize avoidance of sensitive resources. For example, poles will be placed outside of or span wetlands, streams, and floodplains to the greatest extent possible. Existing access and roads will be utilized to access pole locations. If necessary, temporary access roads to pole locations will be identified and field surveyed for environmental and cultural resources and will be adjusted to avoid or minimize impacts.
Tower characteristics	This 765kV line will predominantly utilize a combination of self-supporting and guyed-V lattice tower construction that is horizontally configured. The predominant structure type will be guyed-V suspension towers supported by a center grillage and four bridge-strand guys and anchors. Self-supporting suspension towers, running-corner suspension towers, and tension structures will predominantly utilize concrete drilled pier foundations with grillage foundations reserved for areas of steeper terrain.
Construction responsibility	Company confidential and proprietary information
Benefits/Comments	Company confidential and proprietary information
Component Cost Details - In Current Year $	
Engineering & design	Company confidential and proprietary information
Permitting / routing / siting	Company confidential and proprietary information
ROW / land acquisition	Company confidential and proprietary information
Materials & equipment	Company confidential and proprietary information
Construction & commissioning	Company confidential and proprietary information
Construction management	Company confidential and proprietary information
Overheads & miscellaneous costs	Company confidential and proprietary information
Contingency	Company confidential and proprietary information

Total component cost	$250,000,000.00
Component cost (in-service year)	$281,377,203.00

Greenfield Transmission Line Component

Component title	Vontay Cut-in lines
Project description	Company confidential and proprietary information
Point A	Cunningham
Point B	Elmont
Point C	

	Normal ratings	Emergency ratings
Summer (MVA)	2987.000000	3604.000000
Winter (MVA)	3792.000000	4140.000000

Conductor size and type	The new cut in lines will be constructed using a bundled conductor to meet/exceed SN/SE WN/WE ratings stated above.
Nominal voltage	AC
Nominal voltage	500
Line construction type	Overhead
General route description	The 500 kV tie-ins will be approximately 0.1-mile for each leaving the proposed Vontay Substation in Hanover County, Virginia.
Terrain description	The topography for the 500 kV tie-ins is flat forested/timber land in Hanover County, Virginia.
Right-of-way width by segment	The 500 kV tie-ins ROW will be 175 feet in width and will parallel/cross existing rights-of-way to include interstates, roads, railroads, existing transmission lines/utilities, existing pipelines and best minimizes potential impacts to the natural and human environments.
Electrical transmission infrastructure crossings	The tie-ins lines will not cross or impact existing electrical transmission infrastructure crossings.

Civil infrastructure/major waterway facility crossing plan	The tie-ins lines will not cross or impact existing civil infrastructure/major waterway facility crossings.
Environmental impacts	The tie-ins lines have undergone a robust siting analysis.
Tower characteristics	
Construction responsibility	Company confidential and proprietary information
Benefits/Comments	Company confidential and proprietary information
Component Cost Details - In Current Year $	
Engineering & design	Company confidential and proprietary information
Permitting / routing / siting	Company confidential and proprietary information
ROW / land acquisition	Company confidential and proprietary information
Materials & equipment	Company confidential and proprietary information
Construction & commissioning	Company confidential and proprietary information
Construction management	Company confidential and proprietary information
Overheads & miscellaneous costs	Company confidential and proprietary information
Contingency	Company confidential and proprietary information
Total component cost	$8,600,000.00
Component cost (in-service year)	$9,679,376.00

Substation Upgrade Component

Component title	Joshua Falls Upgrade
Project description	Company confidential and proprietary information
Substation name	Joshua Falls 765 kV Station
Substation zone	AEP

Substation upgrade scope	- Add two 765kV breakers at Joshua Falls

Transformer Information

None

New equipment description	Two 765 kV breakers
Substation assumptions	The existing AC station service is assumed to be sufficient to accommodate the new substation equipment. The existing station control enclosure is assumed to be sufficient to accommodate the new transmission line and circuit breaker protection and control relay panels.
Real-estate description	All necessary land rights are acquired.
Construction responsibility	Company confidential and proprietary information
Benefits/Comments	Company confidential and proprietary information
Component Cost Details - In Current Year $	
Engineering & design	Company confidential and proprietary information
Permitting / routing / siting	Company confidential and proprietary information
ROW / land acquisition	Company confidential and proprietary information
Materials & equipment	Company confidential and proprietary information
Construction & commissioning	Company confidential and proprietary information
Construction management	Company confidential and proprietary information
Overheads & miscellaneous costs	Company confidential and proprietary information
Contingency	Company confidential and proprietary information
Total component cost	$99,192,030.00
Component cost (in-service year)	$111,641,505.00

Greenfield Substation Component

Component title	South Morrisville Station

Project description	Company confidential and proprietary information
Substation name	South Morrisville Station
Substation description	• Construct a new 765kV/500kV Morrisville South Substation using a redundant-breaker scheme. • Install two (2) 765kV/500kV transformers at Morrisville South Substation. • Build two short new overhead 500kV lines from Morrisville Substation to Morrisville South Substation
Nominal voltage	AC
Nominal voltage	765/500

Transformer Information

None

Major equipment description	1. Six (6), 765/500kV Single Phase Transformer Banks 2. Two (2), 765kV, Circuit Breakers 3. Six (6), 765kV Motor Operated Double End Break Switches 4. Five (5), 765kV Coupling Capacitor Voltage Transformers, Relay Accuracy 5. Nine (9), 476kV MCOV Station Class Surge Arresters 6. One (1), 765kV Backbone Structure (by Transmission) 7. Eight (8), 500kV Circuit Breakers 8. Ten (10), 500kV Double End Break Switches 9. Eight (8), 500kV Coupling Capacitor Voltage Transformers, Relay Accuracy 10. Thirteen (13), 396kV Station Class Surge Arresters 11. Two (2), 500kV Backbone Structures

	Normal ratings	Emergency ratings
Summer (MVA)	2987.000000	3604.000000
Winter (MVA)	3792.000000	4140.000000

Environmental assessment	Land use for greenfield South Morrisville substation is flat rural forested/timber landscape. The substation will lie adjacent and outside FEMA-mapped floodplains and/or floodways and NWI-mapped wetlands primarily adjacent to streams and low-lying areas. Based on existing aerial photography, the proposed greenfield South Morrisville substation route likely has unmapped wetland or drainage features. Timing of construction will be executed in accordance with state and federal agencies criteria as needed. Desktop studies and record reviews for the station and line route will be conducted for wetlands and streams, hazardous materials, and cultural resources. Following field studies, data will be digitized and provided to engineering so that pole locations and the station is sited to maximize avoidance of sensitive resources. For example, poles will be placed outside of or span wetlands, streams, and floodplains to the greatest extent possible. Existing access and roads will be utilized to access pole locations. If necessary, temporary access roads to pole locations will be identified and field surveyed for environmental and cultural resources and will be adjusted to avoid or minimize impacts.
Outreach plan	Public outreach is a critical component to the Proposing Entity’s siting process, so efforts will include properly informing the public; federal, state, and local agencies; local governments; and other key stakeholders on the need for, and benefits of, this Project. The Proposing Entity’s approach to public outreach is to be always candid and transparent, and to offer a variety of tools and means for directly impacted parties to engage with our staff. The Proposing Entity will provide development updates to local government officials, key stakeholders, and impacted parties as the Project progresses. Public outreach also will involve collecting information about landowner properties and communicating with directly affected landowners during the final siting process.
Land acquisition plan	The proposed greenfield South Morrisville substation will be 43 acres in size and located on undeveloped forested/timber land in rural Fauquier County, Virginia. The proposed station will be purchased in fee.
Construction responsibility	Company confidential and proprietary information
Benefits/Comments	Company confidential and proprietary information
Component Cost Details - In Current Year $	
Engineering & design	Company confidential and proprietary information
Permitting / routing / siting	Company confidential and proprietary information
ROW / land acquisition	Company confidential and proprietary information
Materials & equipment	Company confidential and proprietary information
Construction & commissioning	Company confidential and proprietary information

Construction management	Company confidential and proprietary information
Overheads & miscellaneous costs	Company confidential and proprietary information
Contingency	Company confidential and proprietary information
Total component cost	$179,622,014.00
Component cost (in-service year)	$202,166,160.00

Greenfield Transmission Line Component

Component title	South Morrisville Cut-ins
Project description	Company confidential and proprietary information
Point A	South Morrisville
Point B	Morrisville
Point C	

	Normal ratings	Emergency ratings
Summer (MVA)	3814.000000	5149.000000
Winter (MVA)	4825.000000	5848.000000

Conductor size and type	The new cut in lines will be constructed using a bundled conductor to meet/exceed SN/SE WN/WE ratings stated above.
Nominal voltage	AC
Nominal voltage	500
Line construction type	Overhead
General route description	The 500 kV tie-ins will be approximately 0.1-mile for each leaving the proposed greenfield South Morrisville Substation in Fauquier County, Virginia.
Terrain description	he topography for the 500 kV tie-ins is flat forested/timber land in rural Fauquier County, Virginia.

Right-of-way width by segment	The 500 kV tie-ins ROW will be 175 feet in width and will parallel/cross existing rights-of-way to include interstates, roads, railroads, existing transmission lines/utilities, existing pipelines and best minimizes potential impacts to the natural and human environments.
Electrical transmission infrastructure crossings	The tie-ins lines will not cross or impact existing electrical transmission infrastructure crossings.
Civil infrastructure/major waterway facility crossing plan	The tie-ins lines will not cross or impact existing civil infrastructure/major waterway facility crossings.
Environmental impacts	The tie-ins lines have undergone a robust siting analysis.
Tower characteristics	
Construction responsibility	Company confidential and proprietary information
Benefits/Comments	Company confidential and proprietary information
Component Cost Details - In Current Year $	
Engineering & design	Company confidential and proprietary information
Permitting / routing / siting	Company confidential and proprietary information
ROW / land acquisition	Company confidential and proprietary information
Materials & equipment	Company confidential and proprietary information
Construction & commissioning	Company confidential and proprietary information
Construction management	Company confidential and proprietary information
Overheads & miscellaneous costs	Company confidential and proprietary information
Contingency	Company confidential and proprietary information
Total component cost	$12,357,520.00
Component cost (in-service year)	$13,908,498.00

Congestion Drivers

None

Existing Flowgates

None

New Flowgates

Company confidential and proprietary information

Financial Information

Capital spend start date	02/2025
Construction start date	04/2027
Project Duration (In Months)	58

Cost Containment Commitment

Cost cap (in current year)	Company confidential and proprietary information
Cost cap (in-service year)	Company confidential and proprietary information

Components covered by cost containment

1. Joshua Falls – Vontay 765 kV Line - Transource
2. Vontay Station Greenfield Station - Dominion
3. Vontay - South Morrisville 765 kV - Transource
4. South Morrisville Station - Dominion

Cost elements covered by cost containment

Engineering & design	Yes
Permitting / routing / siting	No
ROW / land acquisition	No

Materials & equipment	No
Construction & commissioning	No
Construction management	No
Overheads & miscellaneous costs	No
Taxes	No
AFUDC	No
Escalation	No
Additional Information	Company confidential and proprietary information
Is the proposer offering a binding cap on ROE?	Yes
Would this ROE cap apply to the determination of AFUDC?	Yes
Would the proposer seek to increase the proposed ROE if FERC finds that a higher ROE would not be unreasonable?	No
Is the proposer offering a Debt to Equity Ratio cap?	Company confidential and proprietary information

Additional Comments

None