Allen to Sorenson Transmission Project

General Information

Proposing entity name	CONFIDENTIAL INFORMATION
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	CONFIDENTIAL INFORMATION
Company proposal ID	CONFIDENTIAL INFORMATION
PJM Proposal ID	672
Project title	Allen to Sorenson Transmission Project
Project description	The Allen to Sorenson Transmission Project involves the construction of a new 345 kV transmission line connecting Allen and Sorenson.
Email	CONFIDENTIAL INFORMATION
Project in-service date	06/2030
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	Yes
Additional benefits	CONFIDENTIAL INFORMATION

Project Components

1. Allen 345kV Substation Upgrade
2. Sorenson 345kV Substation Upgrade
3. Allen - Sorenson 345kV Transmission Line

Substation Upgrade Component

Component title	Allen 345kV Substation Upgrade

Project description	CONFIDENTIAL INFORMATION
Substation name	Allen
Substation zone	1252
Substation upgrade scope	The upgrade scope includes adding two (2) new breaker and associated equipment to create one (1) new position.

Transformer Information

None

New equipment description	345 kV Circuit Breakers (2) and associated equipment to create one (1) new 345 kV position.
Substation assumptions	The substation can be expanded to the east to accommodate the expansion.
Real-estate description	Additional real estate to the east is required for this component.
Construction responsibility	CONFIDENTIAL INFORMATION
Benefits/Comments	CONFIDENTIAL INFORMATION

Component Cost Details - In Current Year $

Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION
Contingency	CONFIDENTIAL INFORMATION
Total component cost	$7,661,312.00
Component cost (in-service year)	$8,516,324.00

Substation Upgrade Component

Component title	Sorenson 345kV Substation Upgrade
Project description	CONFIDENTIAL INFORMATION
Substation name	Sorenson
Substation zone	1252
Substation upgrade scope	The upgrade scope includes adding one (1) new breaker and associated equipment to create one (1) new position.

Transformer Information

None

New equipment description	345 kV Circuit Breaker (1) and associated equipment to create one (1) new 345 kV position.
Substation assumptions	The open position in the substation can be be used to accommodate the new transmission line.
Real-estate description	No additional real estate is required for this component.
Construction responsibility	CONFIDENTIAL INFORMATION
Benefits/Comments	CONFIDENTIAL INFORMATION

Component Cost Details - In Current Year $

Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION
Construction & commissioning	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION

Contingency	CONFIDENTIAL INFORMATION
Total component cost	$5,107,542.00
Component cost (in-service year)	$5,677,550.00

Greenfield Transmission Line Component

Component title	Allen - Sorenson 345kV Transmission Line
Project description	CONFIDENTIAL INFORMATION
Point A	Allen
Point B	Sorenson
Point C	

	Normal ratings	Emergency ratings
Summer (MVA)	1793.000000	1793.000000
Winter (MVA)	1793.000000	1793.000000

Conductor size and type	Double Bundle 954kcmil "Cardinal" ACSS/TW/MA3
Nominal voltage	AC
Nominal voltage	345
Line construction type	Overhead
General route description	The route heads generally south away from the existing Allen Substation and primarily traverses farmland for approximately 28.3 miles before terminating at the existing Sorenson Substation. The route parallels the existing Allen - Sorenson transmission line. The route crosses several existing transmission lines. There are no habitable structures within the right of way and route crosses 179 parcels. Based on desktop level data for mapped wetlands and floodplains, structures were sited such that there will be no permanent impact to these areas.
Terrain description	The terrain for the route is largely characterized by agricultural fields. The route traverses some woodlands and mainly farmlands. Traditional methods of access and construction are feasible along the entire route.

Right-of-way width by segment	The new transmission line is approximately 28.3 miles in length with a right-of-way width planned to be 130 feet.
Electrical transmission infrastructure crossings	Over Allen - RP Monroe 345kV, Over Huntington - DuPont 138kV, Over Magley - Allen 138kV, Over Sorenson - Allen 345kV, Over Sorenson - Desoto 345kV, Over Sorenson - Lafayette Center 138kV, Over Sorenson - Montpelier 345kV, Under Sorenson - Dumont 765kV, Under Sorenson - Marysville 765kV
Civil infrastructure/major waterway facility crossing plan	The Proposer will obtain all necessary crossing and encroachment permits, authorizations, and agreements for existing linear infrastructure intersected by the Project. Coordination will be conducted with all affected easement holders, including—but not limited to—municipal and county road authorities, oil and gas pipeline operators, electric transmission owners, and local distribution utilities (electric, sewer, water, gas, fiber, and other communications) to ensure that the Project does not interfere with existing easement rights. The Proposer will obtain occupation permits from municipal and county jurisdictions for the placement of transmission facilities over public roadways, consistent with applicable provisions of the Indiana Code and local ordinances. In addition, the Proposer will secure crossing agreements with the owners of existing oil and gas pipelines, transmission lines, and other utilities as required to maintain compliance with safety, operational, and right-of-way standards.

Environmental impacts	The Project will require approval from the Indiana Utility Regulatory Commission (“IURC”) through a Certificate of Public Convenience and Necessity, consistent with the applicable provisions of the Indiana Code. The proposed Project has been routed to avoid and minimize impacts to environmentally sensitive areas, including wetlands and waters, based on GIS data. Environmental impacts will be further minimized by collocating the proposed transmission line along corridors of existing linear development to the maximum extent practicable. The Proposer will engage a qualified consultant to conduct a delineation of wetlands and waters in order to establish jurisdictional boundaries of aquatic resources within the Project area. The results will be used to refine Project routing, if necessary, and to determine permitting requirements. Any unavoidable impacts to regulated aquatic resources will be mitigated in accordance with applicable state and federal regulations. Aquatic resources temporarily impacted during construction will be restored to pre-construction conditions in accordance with applicable permit requirements. If unavoidable permanent impacts occur, compensatory mitigation will be implemented as required. The U.S. Army Corps of Engineers (USACE) will review the Project for compliance with Section 106 of the National Historic Preservation Act (16 U.S.C. § 470 et seq.) and Section 7 of the Federal Endangered Species Act (16 U.S.C. § 1536(a)(2)), in coordination with the Indiana Division of Historic Preservation and Archaeology (DHPA) within the Department of Natural Resources (serving as the State Historic Preservation Office, SHPO) and the U.S. Fish and Wildlife Service (USFWS), respectively. In addition to IURC certification and federal permits, the Proposer has identified other permits that may be required for Project construction. These are anticipated to be minor due to the relatively limited effort to prepare applications and the streamlined review processes typically associated with them. Examples include Federal Aviation Administration airspace clearance, Indiana Department of Environmental Management (IDEM) stormwater/erosion and sediment control permits under the National Pollutant Discharge Elimination System (NPDES) Construction General Permit, roadway crossing permits, and utility or railroad crossing agreements. Following Project award, the Proposer will consult with local jurisdictions, as well as state and federal permitting agencies,
Tower characteristics	The towers will primarily consist of self-supported monopoles in a delta configuration with direct embed foundations.
Construction responsibility	CONFIDENTIAL INFORMATION
Benefits/Comments	CONFIDENTIAL INFORMATION
Component Cost Details - In Current Year $	
Engineering & design	CONFIDENTIAL INFORMATION
Permitting / routing / siting	CONFIDENTIAL INFORMATION
ROW / land acquisition	CONFIDENTIAL INFORMATION
Materials & equipment	CONFIDENTIAL INFORMATION

Construction & commissioning	CONFIDENTIAL INFORMATION
Construction management	CONFIDENTIAL INFORMATION
Overheads & miscellaneous costs	CONFIDENTIAL INFORMATION
Contingency	CONFIDENTIAL INFORMATION
Total component cost	$93,155,748.00
Component cost (in-service year)	$111,178,291.00

Congestion Drivers

None

Existing Flowgates

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2025W1-GD-W383	243232	05SORENS	243211	05ALLEN	1	345	205	Generation Deliverability	Included
2025W1-GD-S470	243232	05SORENS	243211	05ALLEN	1	345	205	Generation Deliverability	Included

New Flowgates

CONFIDENTIAL INFORMATION

Financial Information

Capital spend start date	01/2026
Construction start date	06/2028
Project Duration (In Months)	53

Cost Containment Commitment

Cost cap (in current year)	CONFIDENTIAL INFORMATION

Cost cap (in-service year)	CONFIDENTIAL INFORMATION

Components covered by cost containment

1. Allen - Sorenson 345kV Transmission Line - Proposer

Cost elements covered by cost containment

Engineering & design	Yes
Permitting / routing / siting	Yes
ROW / land acquisition	Yes
Materials & equipment	Yes
Construction & commissioning	Yes
Construction management	Yes
Overheads & miscellaneous costs	Yes
Taxes	Yes
AFUDC	No
Escalation	No
Additional Information	CONFIDENTIAL 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?	CONFIDENTIAL INFORMATION
Additional cost containment measures not covered above	CONFIDENTIAL INFORMATION

Additional Comments

None