Reconductor Des Plaines to Busse

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	888
Project title	Reconductor Des Plaines to Busse
Project description	Reconductor Des Plaines to Busse L4605
Email	Company confidential and proprietary information.
Project in-service date	06/2029
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	Company confidential and proprietary information.

Project Components

1. Reconductor Des Plaines to Busse Tap

Transmission Line Upgrade Component

Component title	Reconductor Des Plaines to Busse Tap
Project description	Company confidential and proprietary information.
Impacted transmission line	L4605 Des Plaines to Busse

Point A	Des Plaines
Point B	Busse Tap
Point C	
Terrain description	The lines are on existing ComEd right-of-way over flat terrain. The terrain is bordering industrial, residential, and wooded lands. There are three railroad crossings.

Existing Line Physical Characteristics

Operating voltage	138
Conductor size and type	1113 ACSR Bluejay and 2156 ACSR Bluebird
Hardware plan description	Existing hardware will be replaced.
Tower line characteristics	40 of the 44 Structures are 48 years old, the other 4 structures are 3 years old. Four single circuit will be replaced outside of Des Plaines substation. 138kV lattice arm reinforcements required on 32 quad-circuit structures.

Proposed Line Characteristics

	Designed	Operating
Voltage (kV)	138.000000	138.000000
	Normal ratings	Emergency ratings
Summer (MVA)	602.000000	610.000000
Winter (MVA)	628.000000	638.000000
Conductor size and type	1033.5 kcmil ACSS/TW	
Shield wire size and type	Shield wire size will be determined during engineering	
Rebuild line length	3.6 miles	

Rebuild portion description	138kV lattice arm reinforcements required on 32 quad-circuit structures. Replace four single circuit 138kV structures outside of Des Plaines. Install an additional four single circuit 138kV structures mid-span to resolve potential clearance to ground POI’s. Replace 1600A Line Disconnect with 2000 A Line Disconnect outside of Busse.
Right of way	Existing ComEd ROW will be used.
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	$7,207,072.79
Component cost (in-service year)	$8,371,856.94

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
2024W1-N11-ST37	271129	BUSSE ; R	271325	DES PL 46;2R	1	138	222	Summer N-1-1 Thermal	Included
2024W1-N11-ST34	271129	BUSSE ; R	271325	DES PL 46;2R	1	138	222	Summer N-1-1 Thermal	Included

New Flowgates

None

Financial Information

Capital spend start date	01/2025
Construction start date	01/2027
Project Duration (In Months)	53

Additional Comments

None