

Goalders Creek 50 MW BESS

General Information

Proposing entity name	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Does the entity who is submitting this proposal intend to be the Designated Entity for this proposed project?	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Company proposal ID	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
PJM Proposal ID	183
Project title	Goalders Creek 50 MW BESS
Project description	The objective of this project is to install a 50MW battery energy storage system (BESS) with an 8-hour charge-discharge duration at Goalders Creek Substation.
Email	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Project in-service date	01/2029
Tie-line impact	No
Interregional project	No
Is the proposer offering a binding cap on capital costs?	No
Additional benefits	The redacted information is proprietary to the Company; therefore, it is privileged and confidential

Project Components

1. Goalders Creek BESS Installation

Substation Upgrade Component

Component title	Goalders Creek BESS Installation
Project description	The redacted information is proprietary to the Company; therefore, it is privileged and confidential

Substation name	Goalders Creek
Substation zone	345
Substation upgrade scope	1. Battery Trailers 2. Substation Batteries and Battery Chargers 3. Inverter/Rectifier Units 4. Transformers and Associated Equipment (pending engineering review) 5. Transformer Oil Containments 6. Breakers, Switches, and Associated Equipment 7. Site preparation, grading, and access roads for the substation expansion 8. Ground grid and fencing as per DE Standards 9. Conductors, connectors, foundations, structural steel, grounding, conduits, power cables, and control cables as per DE Standards
Transformer Information	
None	
New equipment description	1. Battery Trailers 2. Substation Batteries and Battery Chargers 3. Inverter/Rectifier Units 4. Transformers and Associated Equipment (pending engineering review) 5. Transformer Oil Containments 6. Breakers, Switches, and Associated Equipment
Substation assumptions	N/A
Real-estate description	Substation is not being expanded.
Construction responsibility	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Benefits/Comments	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Component Cost Details - In Current Year \$	
Engineering & design	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Permitting / routing / siting	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
ROW / land acquisition	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Materials & equipment	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Construction & commissioning	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Construction management	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Overheads & miscellaneous costs	The redacted information is proprietary to the Company; therefore, it is privileged and confidential
Contingency	The redacted information is proprietary to the Company; therefore, it is privileged and confidential

Total component cost \$207,039,750.00

Component cost (in-service year) \$221,739,572.25

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-ME2	314188	3WEST PT	314387	3LANEXA	1	115	345	Market Efficiency	Included

New Flowgates

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Financial Information

Capital spend start date 10/2025

Construction start date 11/2027

Project Duration (In Months) 39

Additional Comments

None