

345kV Shunt Inductor at Mulberry

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	532
Project title	345kV Shunt Inductor at Mulberry
Project description	Install new 345 kV shunt inductor at Mulberry
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. New 345 kV Inductor and associated circuit breakers and disconnects at Mulberry

Substation Upgrade Component

Component title	New 345 kV Inductor and associated circuit breakers and disconnects at Mulberry
Project description	Company confidential and proprietary information.
Substation name	Mulberry

Substation zone	ComEd
Substation upgrade scope	Install new 345 kV 40 MVAR shunt inductor. Install four 345 kV 3000A 63 kA circuit breakers and associated disconnects, bus work, and relays. Install three new 3000A Motor Operated Disconnects.
Transformer Information	
None	
New equipment description	Install new 345 kV 40 MVAR shunt inductor. Install four 345 kV 3000A 63 kA circuit breakers and associated disconnects, bus work, and relays. Install three new 3000A Motor Operated Disconnects.
Substation assumptions	Contingent on expansion of existing Mulberry substation to the west. Land west of Mulberry substation is currently owned by CPV Three Rivers, LLC
Real-estate description	The Proposing Entity will use proven land acquisition processes and approaches that have been successfully employed on projects over the years. The Proposing Entity's initial land acquisition step is to verify current ownership by an examination of title, current property tax status, as well as document any liens, and or mortgages. The Proposing Entity will also research the status of the subsurface estate, whether or not it is severed from the surface. Once ownership is established, the Proposing Entity will negotiate with property owners based on the fair market value of the needed for the station site and access road (both fee purchases). Market data studies and appraisals, both general and for specific tracts, will be conducted to establish values and a basis for acquisition negotiations. Good Faith negotiations must be made with all landowners. Negotiations will be done in an ethical, non-confrontational and non-threatening manner with the landowners. The long-term relationship with the landowners is paramount and will be kept in mind in all negotiations, and honesty, integrity and professionalism will be displayed at all times. Negotiations will continue as long as practical to reach a voluntary agreement. If, and only if, it becomes evident that a voluntary fee purchase agreement between the company and the property owner cannot be reached, and other viable alternatives do not exist, the company may exercise the right of eminent domain to secure required property through condemnation proceedings.
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	\$28,233,347.77
Component cost (in-service year)	\$32,796,330.84

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-IPD-S115	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-32GD-W11	270825	MULBERRY ; R	270717	DRESDEN ; R	1	345	222	2032 Winter Gen Deliv	Included
2024W1-IPD-S116	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-32GD-W10	270825	MULBERRY ; R	270717	DRESDEN ; R	1	345	222	2032 Winter Gen Deliv	Included
2024W1-IPD-S113	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S114	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-W14	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W13	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W12	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W11	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W17	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W16	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1-IPD-W15	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-S119	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S120	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S117	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S118	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-W10	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-GD-W4	270825	MULBERRY ; R	270717	DRESDEN ; R	1	345	222	Winter Gen Deliv	Included
2024W1-IPD-W9	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-GD-W2	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345	222	Winter Gen Deliv	Included
2024W1-IPD-S121	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-W8	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-GD-W101	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345	222	Winter Gen Deliv	Included
2024W1-IPD-S122	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S123	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S126	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S127	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S124	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-GD-W105	270825	MULBERRY ; R	270717	DRESDEN ; R	1	345	222	Winter Gen Deliv	Included
2024W1-IPD-S125	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-32GD-W13	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345	222	2032 Winter Gen Deliv	Included
2024W1-32GD-W12	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345	222	2032 Winter Gen Deliv	Included
2024W1-IPD-W23	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W22	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-S130	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S131	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S128	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-GD-S376	270825	MULBERRY ; R	270717	DRESDEN ; R	1	345	222	Summer Gen Deliv	Included
2024W1-IPD-S129	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1-N1-WT2	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345/345	222/222	Winter Thermal	Included
2024W1-IPD-W21	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W20	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-S132	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-W19	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W18	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-GD-S307	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345	222	Summer Gen Deliv	Included
2024W1-GD-S19	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345	222	Summer Gen Deliv	Included
2024W1-IPD-S138	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S139	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S136	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S137	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S142	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S140	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S141	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S134	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S135	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S133	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-N1-ST51	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345/345	222/222	Summer Thermal	Included
2024W1-N1-ST54	270824	MULBERRY ; B	270716	DRESDEN ; B	1	345/345	222/222	Summer Thermal	Included
2024W1-IPD-W6	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-S109	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-W5	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W4	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-W3	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included
2024W1-IPD-S112	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S110	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-S143	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included

FG #	Fr Bus No.	From Bus Name	To Bus No.	To Bus Name	CKT	Voltage	TO Zone	Analysis type	Status
2024W1-IPD-S111	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Summer IPD	Included
2024W1-IPD-W7	270716	DRESDEN ; B	270824	MULBERRY ; B	1	345	222	Winter IPD	Included

New Flowgates

None

Financial Information

Capital spend start date 01/2025

Construction start date 08/2027

Project Duration (In Months) 53

Additional Comments

None