



Expedited Project Review Results and Recommendation

Expedited Project Review Technical Study Task Force (EPR-TSTF)

July 7, 2026

Purpose & Key Takeaway

Purpose

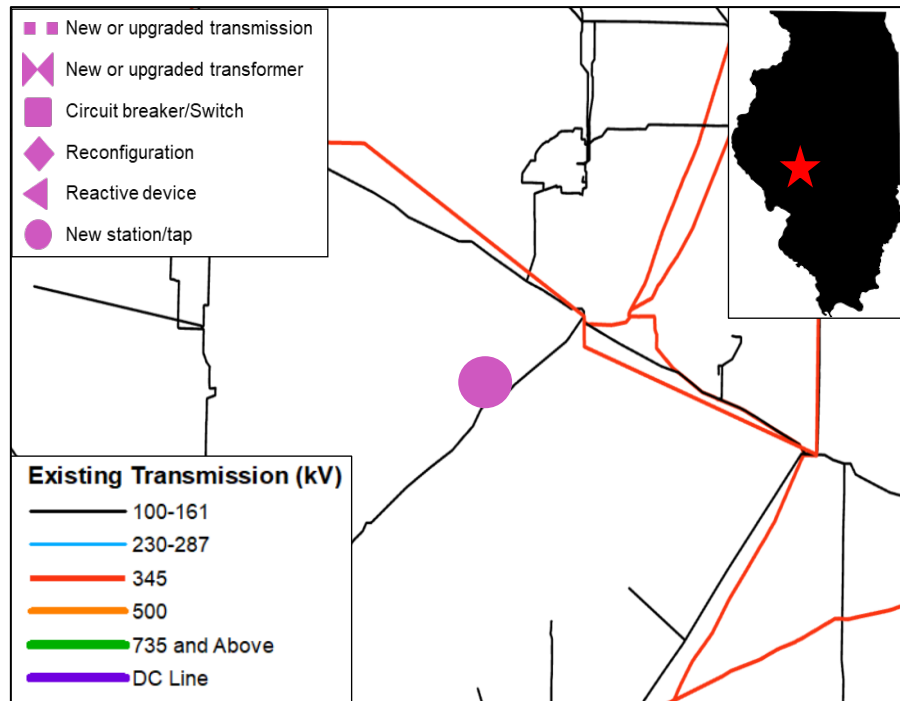
Review results and provide MISO's recommendation for EPRs which have completed mitigation discussions

Key Takeaways

- Twelve (12) EPRs have completed analysis and mitigation representing 2.8 GW of new spot load and other reliability concerns
 - Central region representing 3 projects for review with 5 Corrective Action Plan (CAP) projects
 - East region representing 1 project for review with 1 Corrective Action Plan (CAP) project
 - West region representing 1 project for review
 - South region representing 1 project for review
- MISO recommends the projects move to MTEP26 Appendix A or Appendix B after the PAC comment period.

[AMIL] New RECC Load Addition at Mogul 345 kV Substation (Phase 3)

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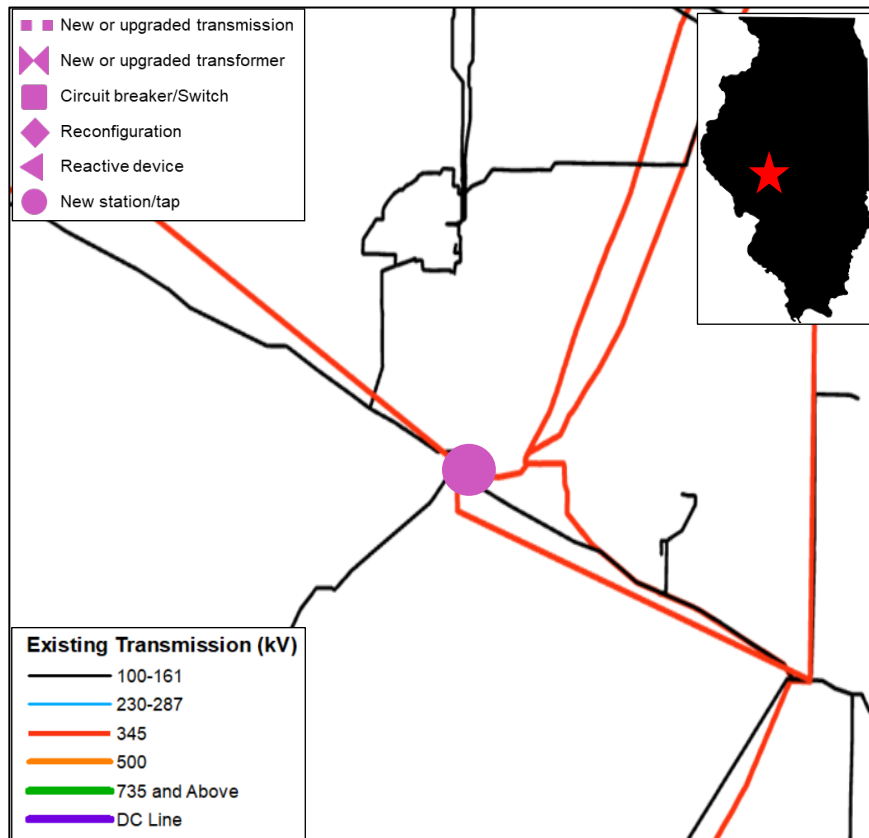
Project #	51303
Project Name	New RECC Load Addition at Mogul 345 kV Substation (Phase 3)
Project Type	Other, Load Growth
Project Description	Install 270 MVAR Capacitor and upgrade Austin terminal equipment to allow for the increase load at Mogul 345 kV of 365 MW load addition.
System Need	Customer load request and ISD timeline.
Current Cost	\$18.6M
Expected ISD	12/1/2028
Target Appendix	A in MTEP26

Models, Reliability Analysis, and Neighbor Coordination

- The EPR was applied to all applicable MTEP models based on the In-Service Date. Models were posted for submitting TO review prior to analysis.
- MISO performed TPL-001-5.1 no-harm analysis utilizing n-1 and n-1-1 contingencies centered around the point of interconnection of the EPR
 - Results were posted for impacted entity feedback
 - One (1) additional CAP(s) were required to mitigate observed issues
- MISO coordinated with impacted neighboring entities based on the analysis results
 - We appreciate the active coordination of the impacted parties as a part of this process

[AMIL] New Prairie Link 345 kV Temporary Connection

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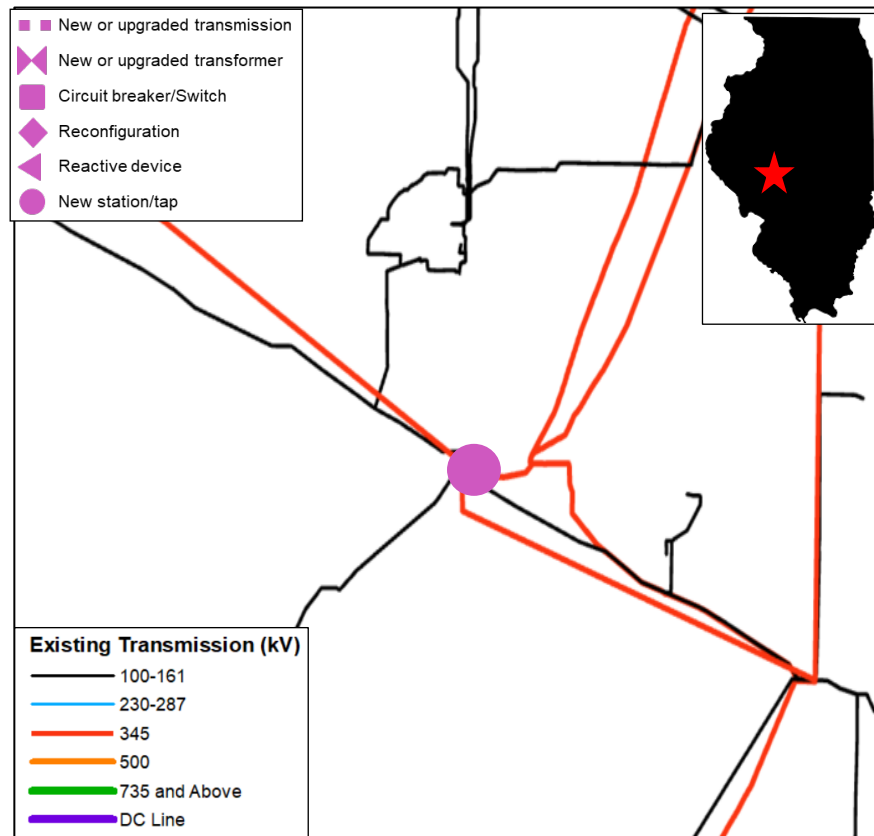
Project #	51313
Project Name	New Prairie Link 345 kV Temporary Connection
Project Type	Other, Load Growth
Project Description	Temporarily tap the Pana-Austin 345 kV line to supply Prairie Link customer load for 300 MW.
System Need	Customer load request and ISD timeline.
Current Cost	\$2M
Expected ISD	12/1/2027
Target Appendix	A in MTEP26

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[AMIL] New Prairie Link 345 kV Load Addition

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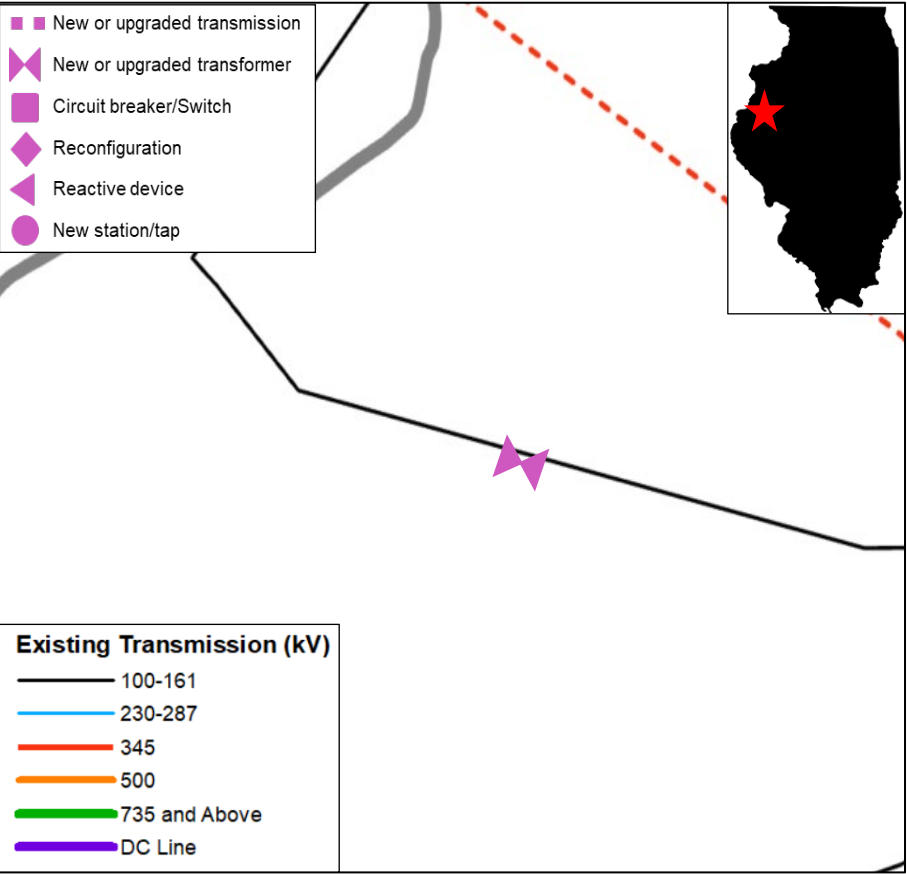
Project #	51304
Project Name	New Prairie Link 345 kV Load Addition
Project Type	Other, Load Growth
Project Description	Construct a new 345 kV substation splitting Pana-Austin and Kincaid-Austin 345 kV lines to serve the full load at 1000 MW. Construct two (2) new 345 kV lines from Turner and Lanesville 345 kV substations. Install 300 Mvar reactive support at the new substation.
System Need	Customer load request and ISD timeline.
Current Cost	\$387.5M
Expected ISD	12/1/2030
Target Appendix	A in MTEP26

Models, Reliability Analysis, and Neighbor Coordination

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- MISO performed TPL-001-5.1 no-harm analysis utilizing n-1 and n-1-1 contingencies centered around the point of interconnection of the EPR
 - Results were posted for impacted entity feedback
 - Five (5) additional CAP(s) were required to mitigate observed issues
- MISO coordinated with impacted neighboring entities based on the analysis results
 - We appreciate the active coordination of the impacted parties as a part of this process

51303, 51313, 51304 Corrective Action Plan (CAP)

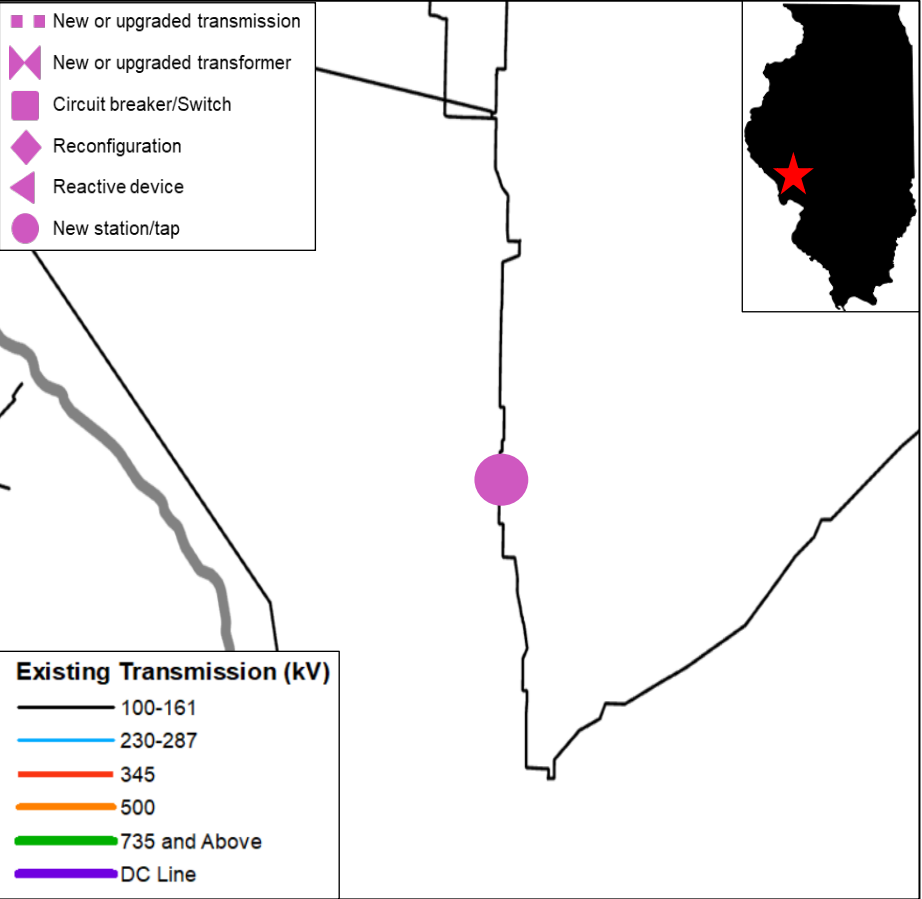
New MTEP26 BRP project



Project #	50798
Project Name	Upgrade Disco 138/69 kV Transformer
Project Type	Other, Local Reliability
Project Description	Upgrade Disco Transformer from 25 MVA to 37.3 MVA
System Need	P6 contingency 69 kV thermal overloading issues
Current Cost	\$0.6M
Expected ISD	12/01/2026
Target Appendix	A in MTEP26

51304 Corrective Action Plan (CAP)

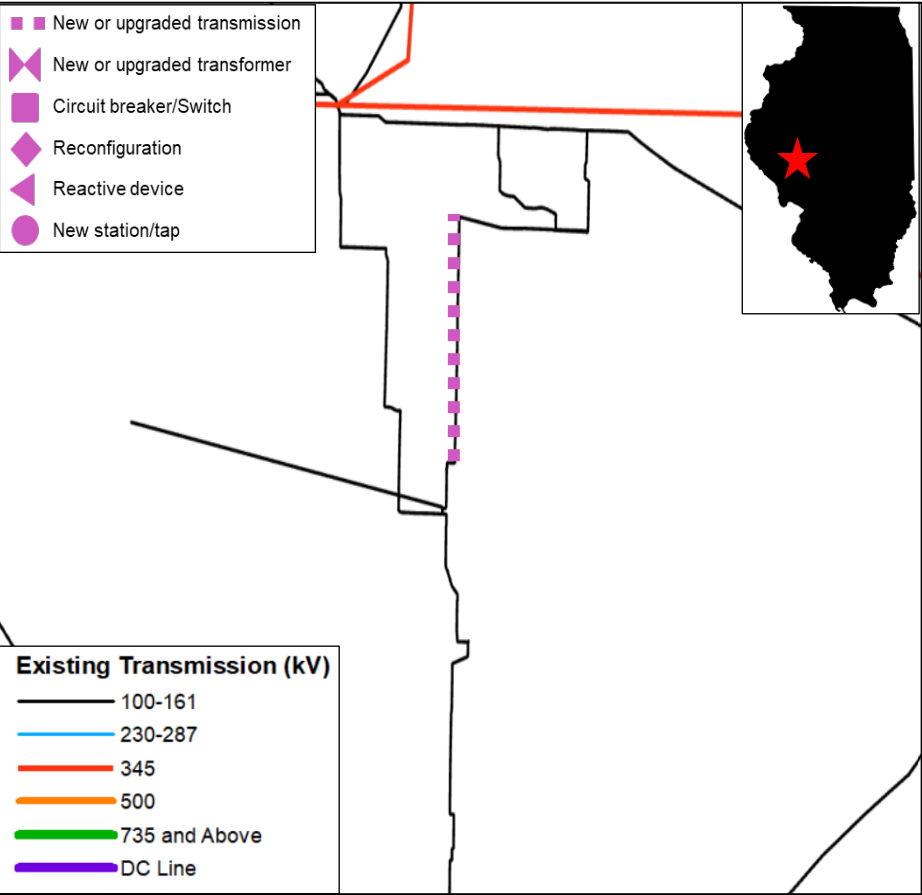
New MTEP26 BRP project



Project #	50805
Project Name	New Hopewell 138/69 kV Substation and Lines
Project Type	Other, Local Reliability
Project Description	1) New Ameren Tie-Hopewell 138 kV Line with 795 ACSR 2) Hopewell 138/69 kV Substation located North of Carrollton, IL 3) New Hopewell 138/69 kV Transformer Rated 84 MVA 4) Rebuild Hopewell-Walkerville 69 kV Line with 336 ACSR
System Need	P6 contingency 69 kV voltage issues with the future additional load
Current Cost	\$10.8M
Expected ISD	12/01/2029
Target Appendix	A in MTEP26

51304 Corrective Action Plan (CAP)

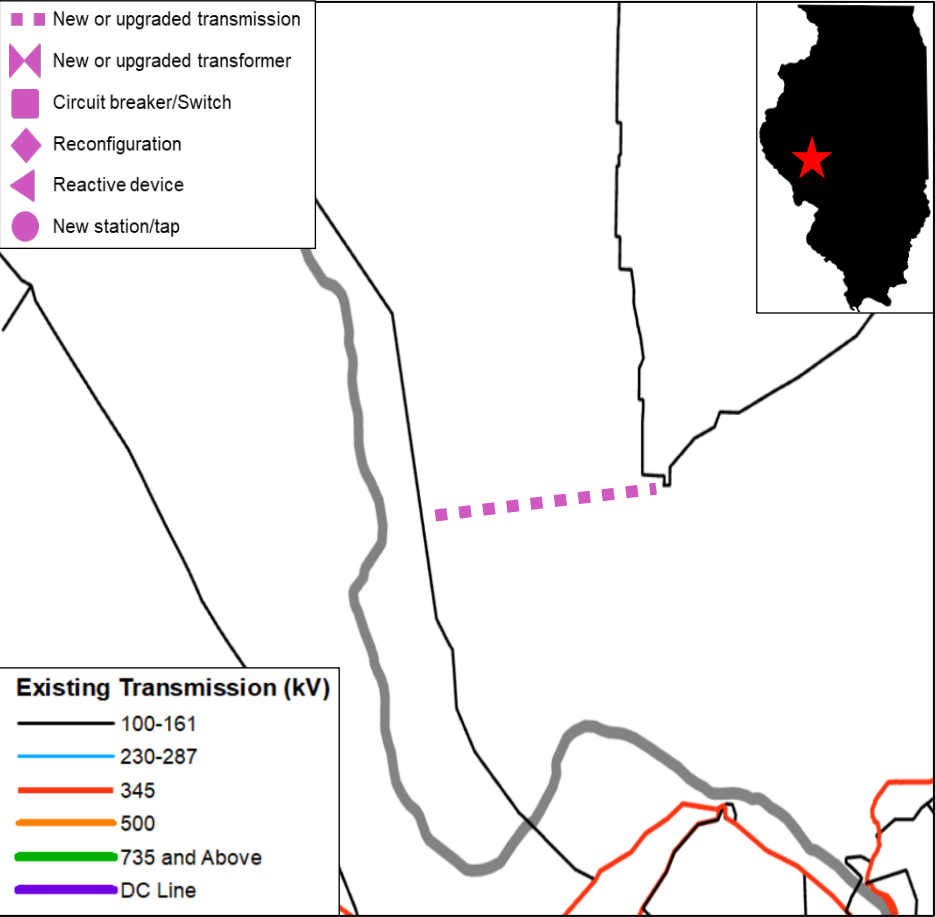
New MTEP26 BRP project



Project #	50809
Project Name	Rebuild Winchester-Wolf Run 69 kV Line
Project Type	Other, Local Reliability
Project Description	Rebuild Winchester-Wolf Run 69 kV Line with 336 ACSR
System Need	P6 contingency 69 kV thermal overloading issues
Current Cost	\$10M
Expected ISD	12/01/2030
Target Appendix	A in MTEP26

51304 Corrective Action Plan (CAP)

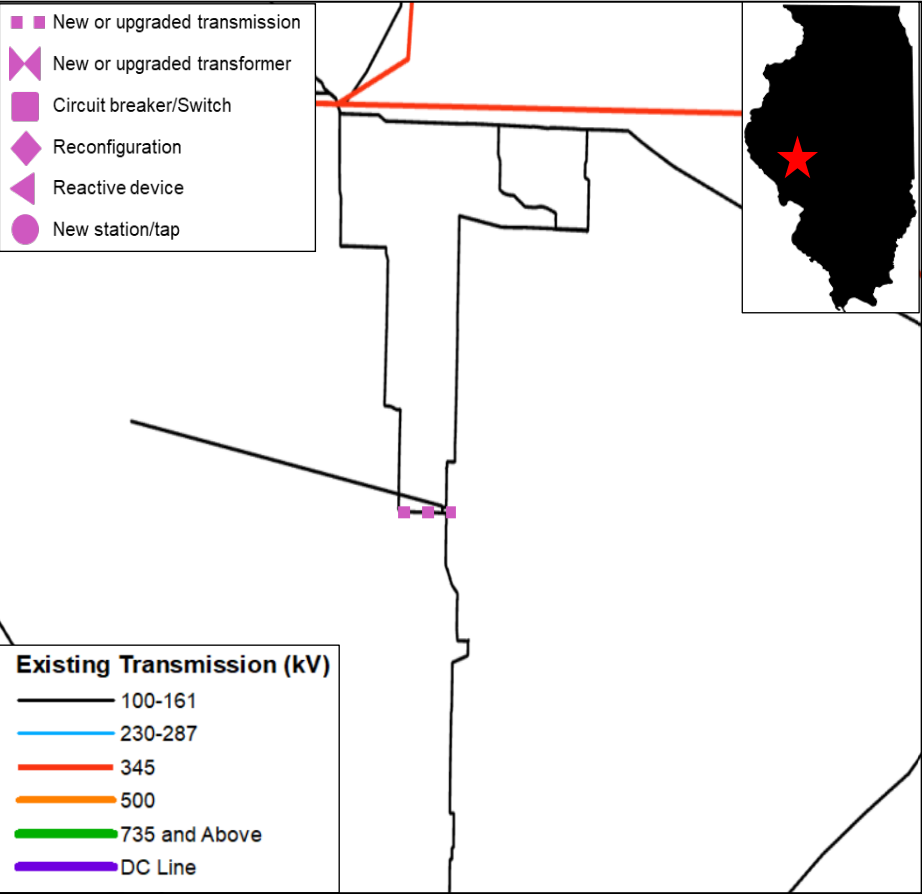
New MTEP26 BRP project



Project #	51405
Project Name	New [PPI] Riverside - [AMIL] Jerseyville 138 kV line
Project Type	Other, Local Reliability
Project Description	New 24-mile 138 kV line between PPI Riverside and AMIL Jerseyville substations.
System Need	P3P6 contingency 69 kV thermal overloading issues
Current Cost	\$25M
Expected ISD	12/01/2030
Target Appendix	A in MTEP26

51304 Corrective Action Plan (CAP)

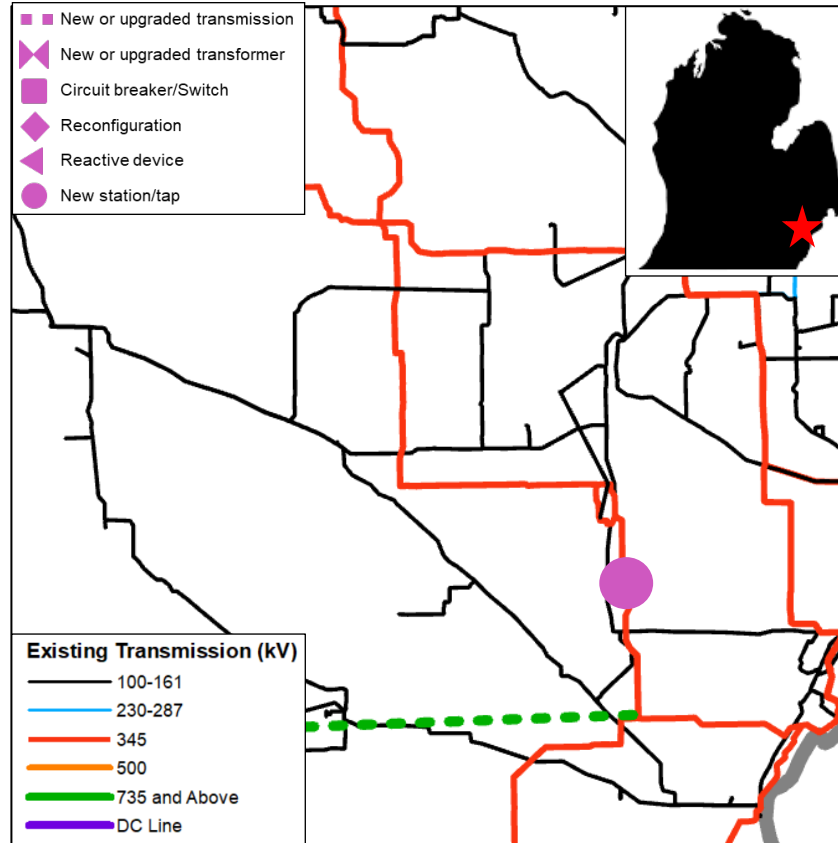
New MTEP26 BRP project



Project #	51406
Project Name	New [PPI] Alsey - [AMIL] Ballard 138 kV second circuit line
Project Type	Other, Local Reliability
Project Description	New second 138 kV circuit between PPI Alsey and AMIL Ballard
System Need	P3P6 contingency 69 kV thermal overloading issues
Current Cost	\$2.8M
Expected ISD	12/31/2029
Target Appendix	A in MTEP26

[ITCT] Project Cannoli 345 kV Load Addition

ITCT: Project Cannoli



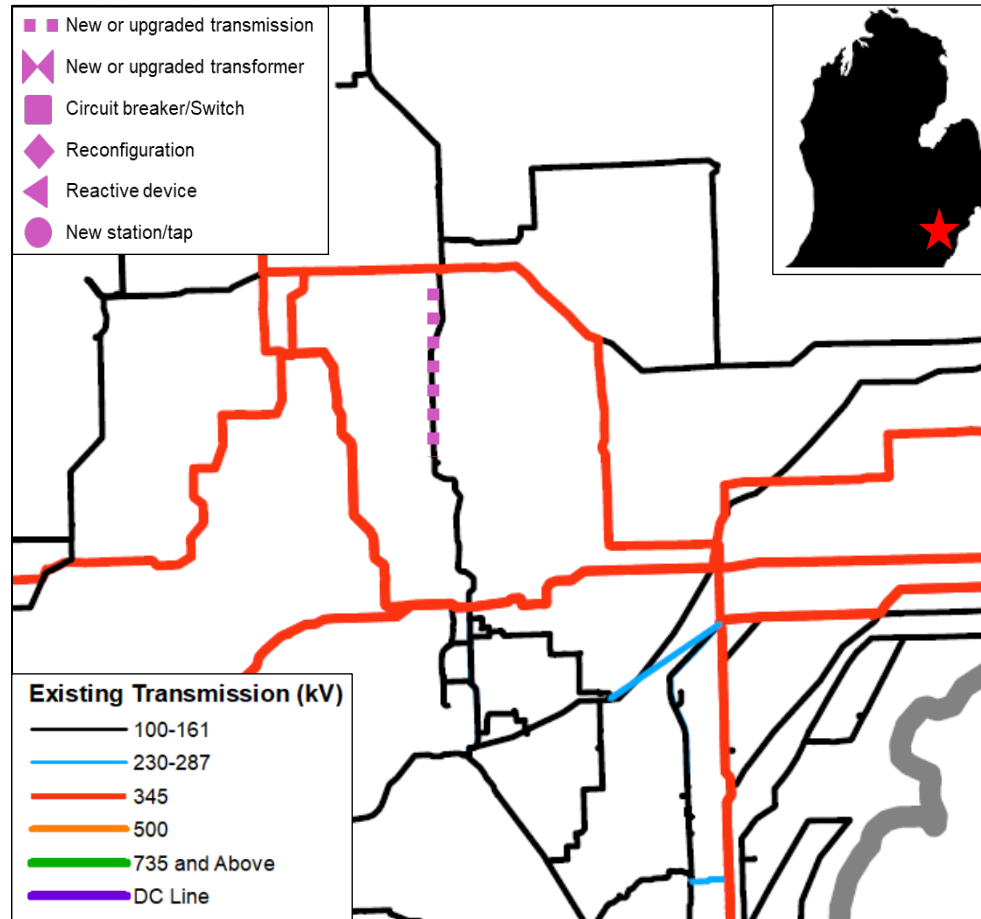
Project #	51220
Project Name	Project Cannoli
Project Type	Other, Load Growth
Project Description	ITCT will build a 345 kV station to accommodate Project Cannoli. Both the Brownstown-Wayne #1 and Brownstown-Wayne #2 345 kV lines will be cut into the station. ITCT will install capacitor banks at the station.
System Need	DTE interconnection request for a new station to serve 1000 MW of load for a new industrial customer.
Current Cost	\$308M
Expected ISD	12/05/2028
Target Appendix	A in MTEP26

Models, Reliability Analysis, and Neighbor Coordination

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- MISO performed TPL-001-5.1 no-harm analysis utilizing n-1 and n-1-1 contingencies centered around the point of interconnection of the EPR
 - Results were posted for impacted entity feedback
 - One (1) additional CAP(s) were required to mitigate observed issues
 - No neighboring entities were impacted based on the analysis results.

51220 Corrective Action Plan (CAP)

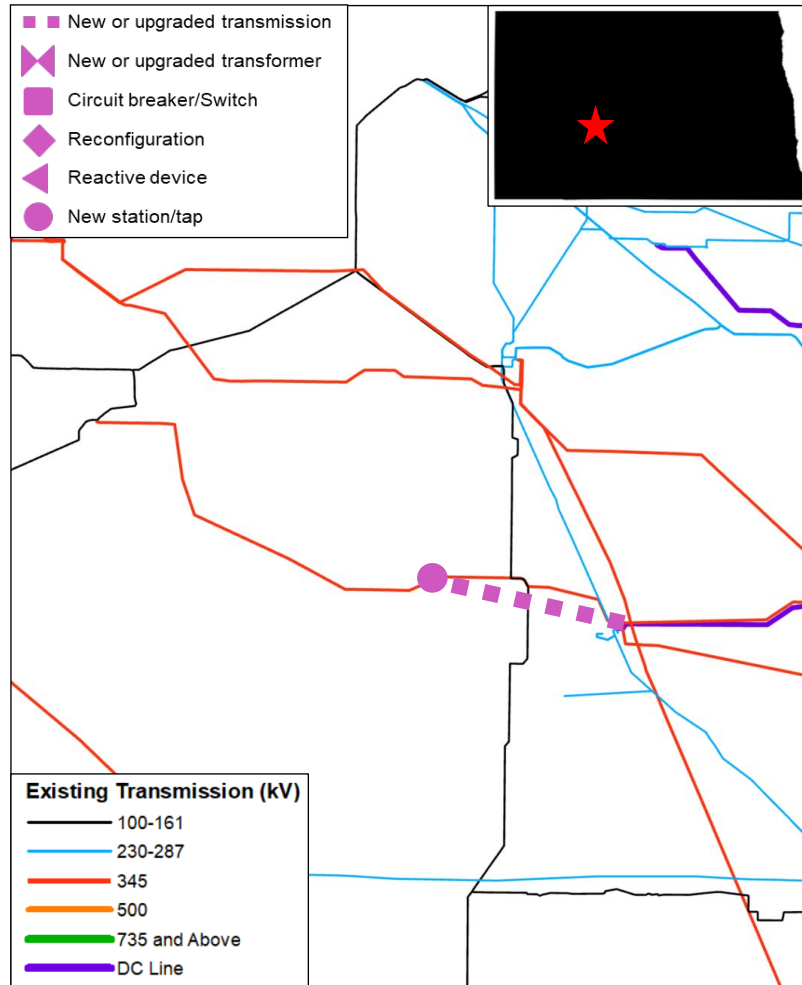
New MTEP26 BRP project



Project #	18201
Project Name	Upgrade Hunters Creek - Stratford 120 kV Line
Project Type	BRP
Project Description	Upgrade ~ 4 miles of the Hunter's Creek – Stratford 120 kV line to reach a minimum of 275 MVA summer emergency rating. This will also remove the sag limit. This project needs to be completed due to the Project Cannoli load.
System Need	The Hunters Creek – Stratford 120 kV line is projected to become overloaded for P6 contingencies in MISO's MTEP19 study. This project is also needed for the Cannoli load.
Current Cost	\$0.5 M
Expected ISD	2/01/2029
Target Appendix	A in MTEP26

[MDU] Hannover Data Center Load Addition

MDU: Hannover Data Center Load Addition



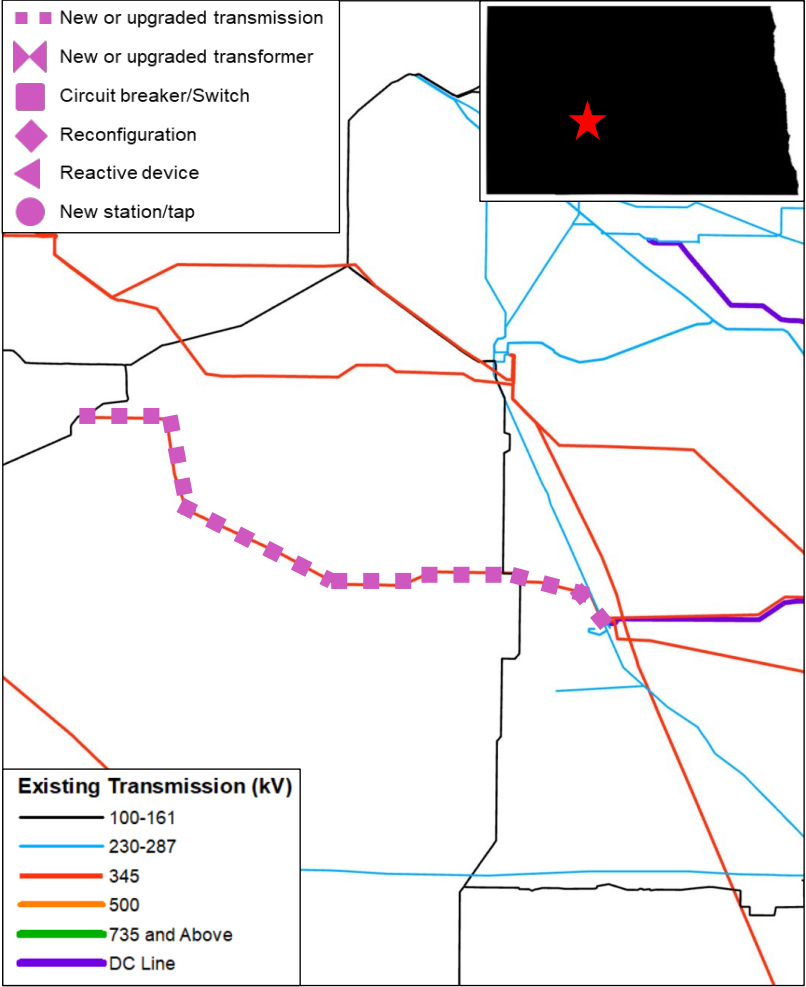
Project #	51293
Project Name	Hannover Data Center Load Addition
Project Type	Other, Load Growth
Project Description	There will be a new substation on the Coyote-Center 345 kV line and a new line from the new Hannover Data Center substation to MPC's Nelson Lake substation when it's complete.
System Need	MDU has a 430 MW customer requesting service near Hannover, ND.
Current Cost	\$107.3M
Expected ISD	01/01/2030
Target Appendix	A in MTEP26

Models, Reliability Analysis, and Neighbor Coordination

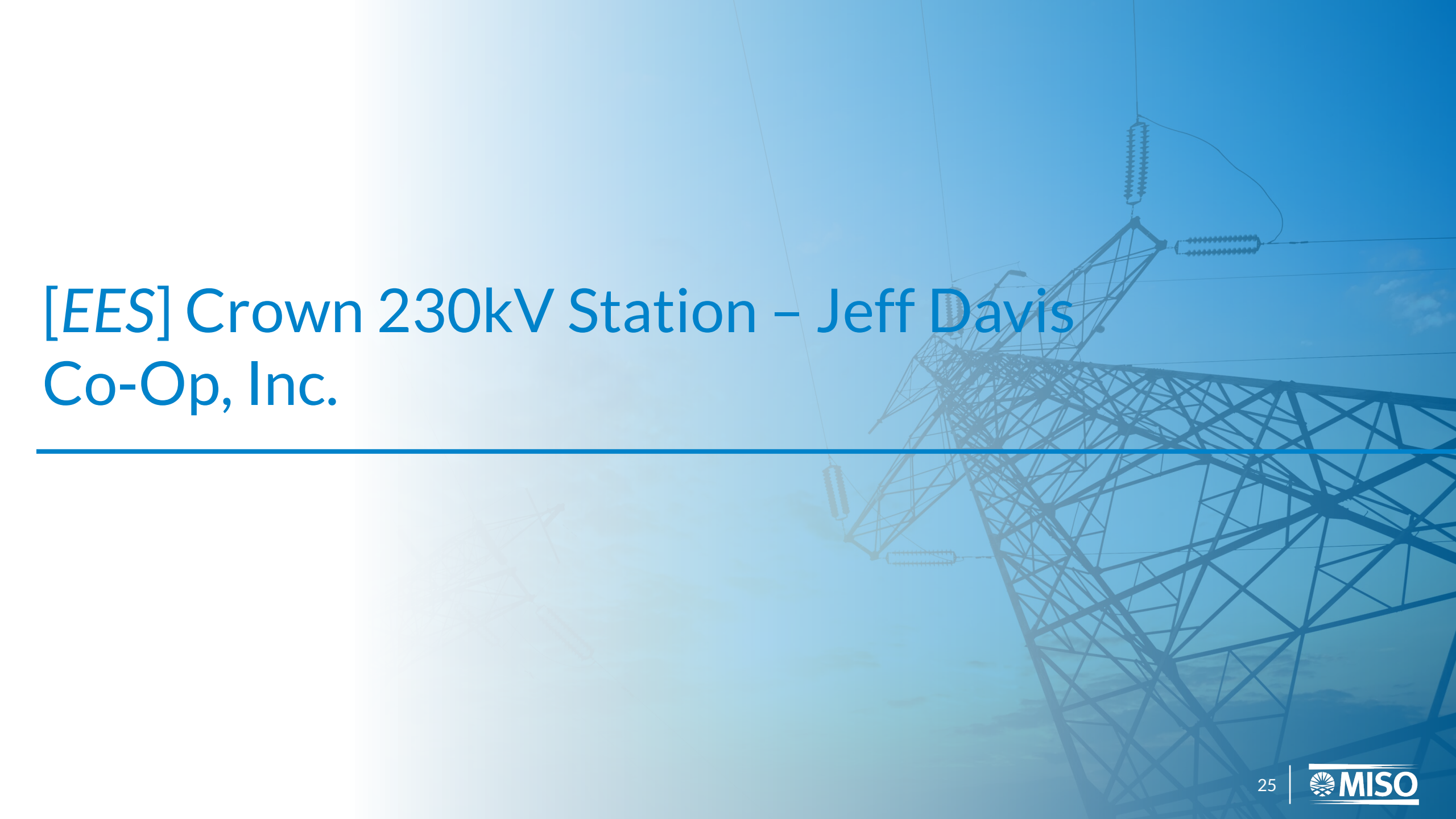
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- MISO performed TPL-001-5.1 no-harm analysis utilizing N-1 and N-1-1 contingencies centered around the point of interconnection of the EPR
 - Results were posted for impacted entity feedback
 - One (1) additional CAP was required to mitigate observed issues
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 - We appreciate the active coordination of the impacted parties as a part of this process

51293 Corrective Action Plan (CAP)

New MTEP26 BRP project

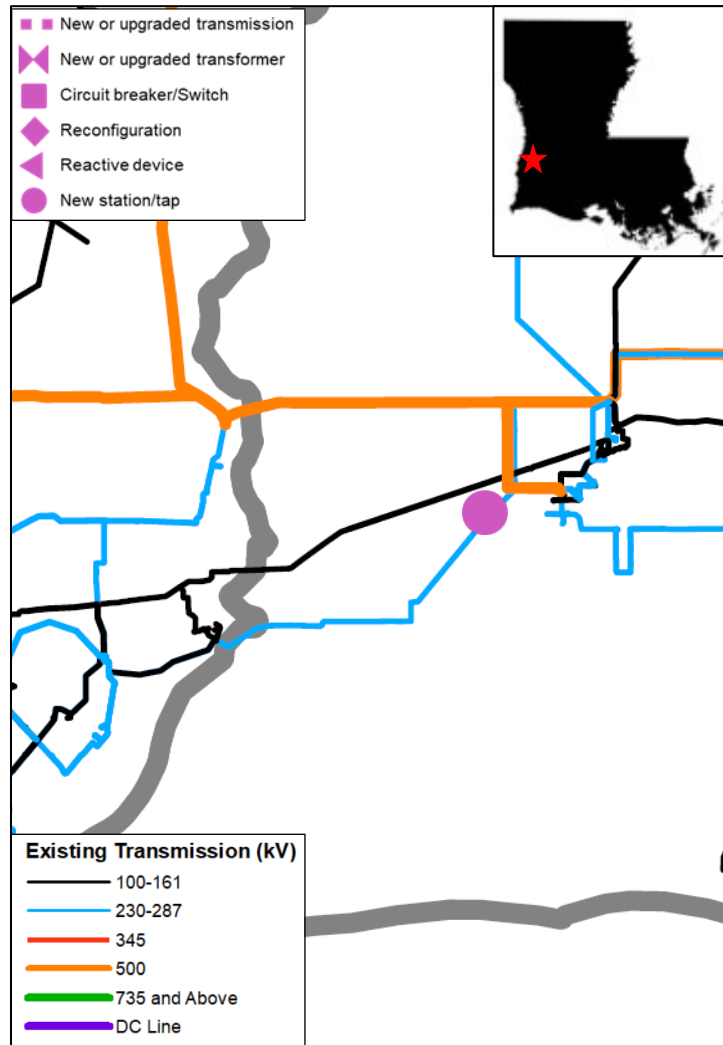


Project #	51404
Project Name	Center upgrades for Hannover data center
Project Type	BRP
Project Description	Retap CTs, replace disconnects, and remove a wave trap at Center 345 kV substation.
System Need	Upgrades on the Coyote-Hannover-Center 345 kV lines were found in the EPR process for MTEP 51293.
Current Cost	\$1M
Expected ISD	06/01/2028
Target Appendix	B in MTEP26



[EES] Crown 230kV Station – Jeff Davis Co-Op, Inc.

EES: Crown 230kV Station – Jeff Davis Co-Op, Inc



Project #	51301
Project Name	Crown 230 kV Station - Jeff Davis Electric Co-op, Inc.
Project Type	Other, Load Needs
Project Description	Jeff Davis Electric Co-op, Inc. is proposing to construct a 230 kV station named Crown on the existing Sabine to Mud Lake 230 kV line.
System Need	Local load serving and to close in a 230 kV loop from the Chalkley 230 kV station.
Current Cost	N/A – Cost Covered by Customer
Expected ISD	09/30/2026
Target Appendix	A in MTEP26

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- MISO performed TPL-001-5.1 no-harm analysis utilizing n-1 and n-1-1 contingencies centered around the point of interconnection of the EPR
 - Results were posted for impacted entity feedback
 - All observed TPL violations or worsened reliability issues on the MISO system had valid CAPs that did not require any new MTEP projects
- No neighboring entities were impacted based on the analysis results.

Questions?
