



MTEP26 Project Information – Texas

Entergy Services, LLC (EES) – Texas; East Texas Electric Cooperative (ETEC); Sam Houston Electric Cooperative (SHECO)

2nd South Subregional Planning Meeting
Wednesday, June 3, 2026

Purpose & Key Takeaway

Purpose

Review and discuss MTEP26 projects

Key Takeaways

- The [MTEP Portal](#) was used to gather information and develop SPM materials. All data was pulled on May 15, 2026. To view all MTEP project details, please visit the [MTEP Portal](#).
- Additionally, quarterly status reports are available on the [MTEP website](#) under *Project Tracking and Monitoring*.

Texas Region Overview

The details of the Texas projects and their costs per TO are shown below:

- Entergy Services, LLC – Texas: 15 submitted projects at an estimated cost of \$336 million
- East Texas Electric Cooperative: 3 submitted projects at an estimated cost of \$153 million
- Sam Houston Electric Cooperative: 1 submitted project at an estimated cost of \$10 million

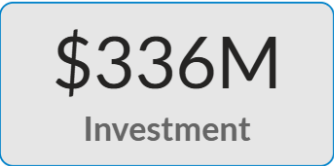
Entergy Services, LLC – Texas

Update on Current Cycle Projects since SPM1

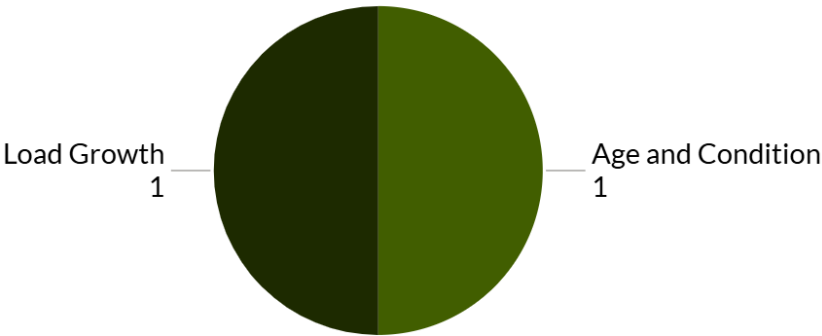
MTEP Project ID	Project Name	Project Type	Project Change
51329	Brazos Plantersville 230 kV Station	Other – Load Growth	Project added to MTEP26

ENTERGY SERVICES, LLC.

MTEP26 Projects

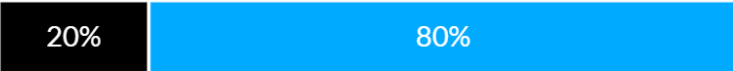


Breakdown of Other Project Types By Project Count



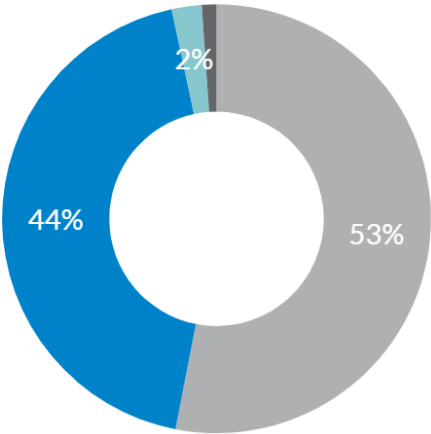
Line Miles by Voltage Level

● ≤161 kV ● 230 kV



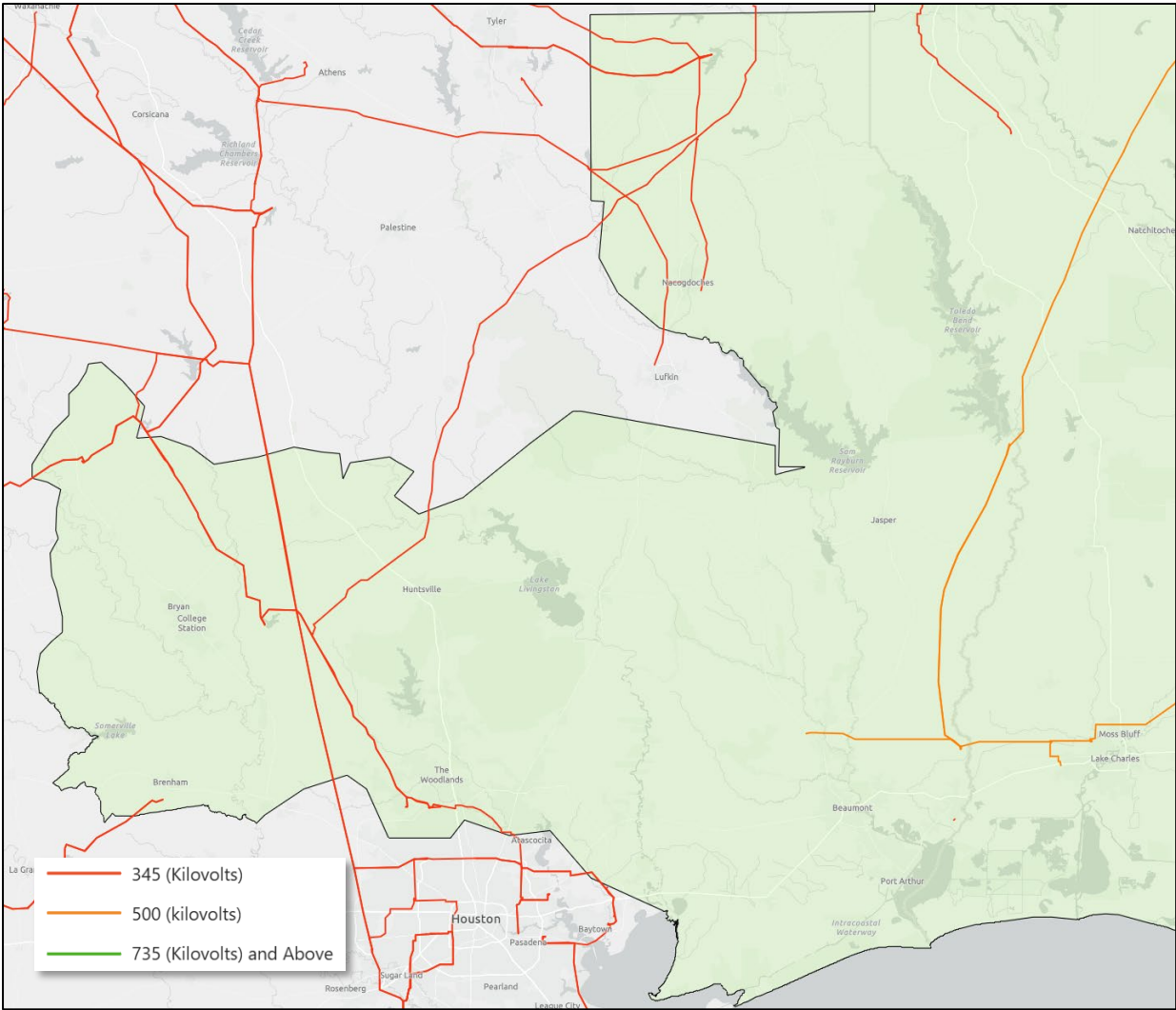
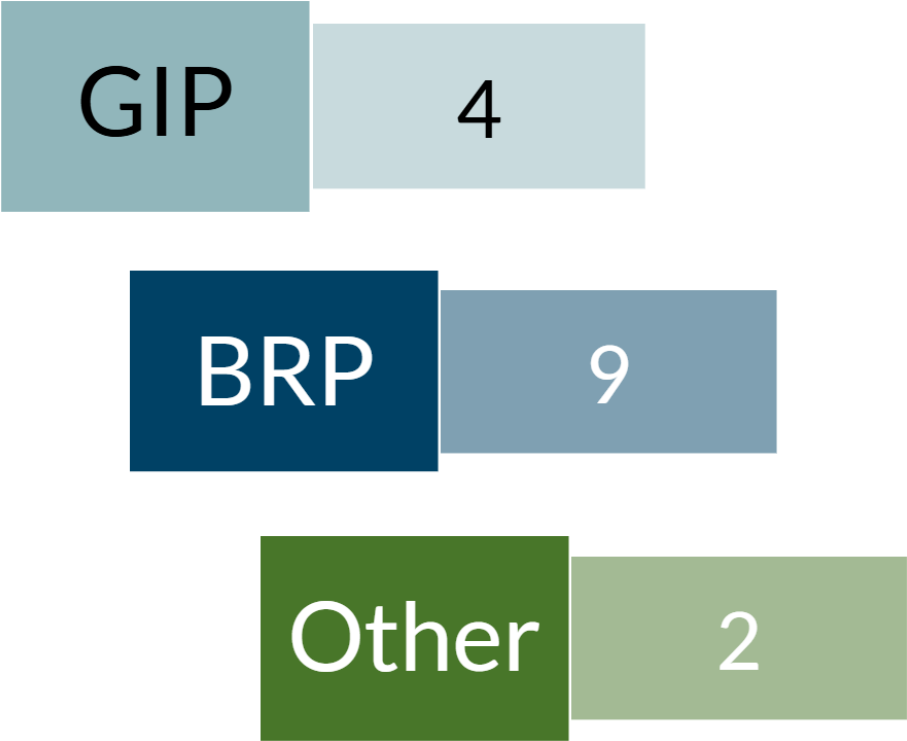
Project Facility Types As a Percentage of Cost

● Substation ● Line Upgrade ● Transformer ● Voltage Device



EES - TX MTEP26 Project Type Breakdown

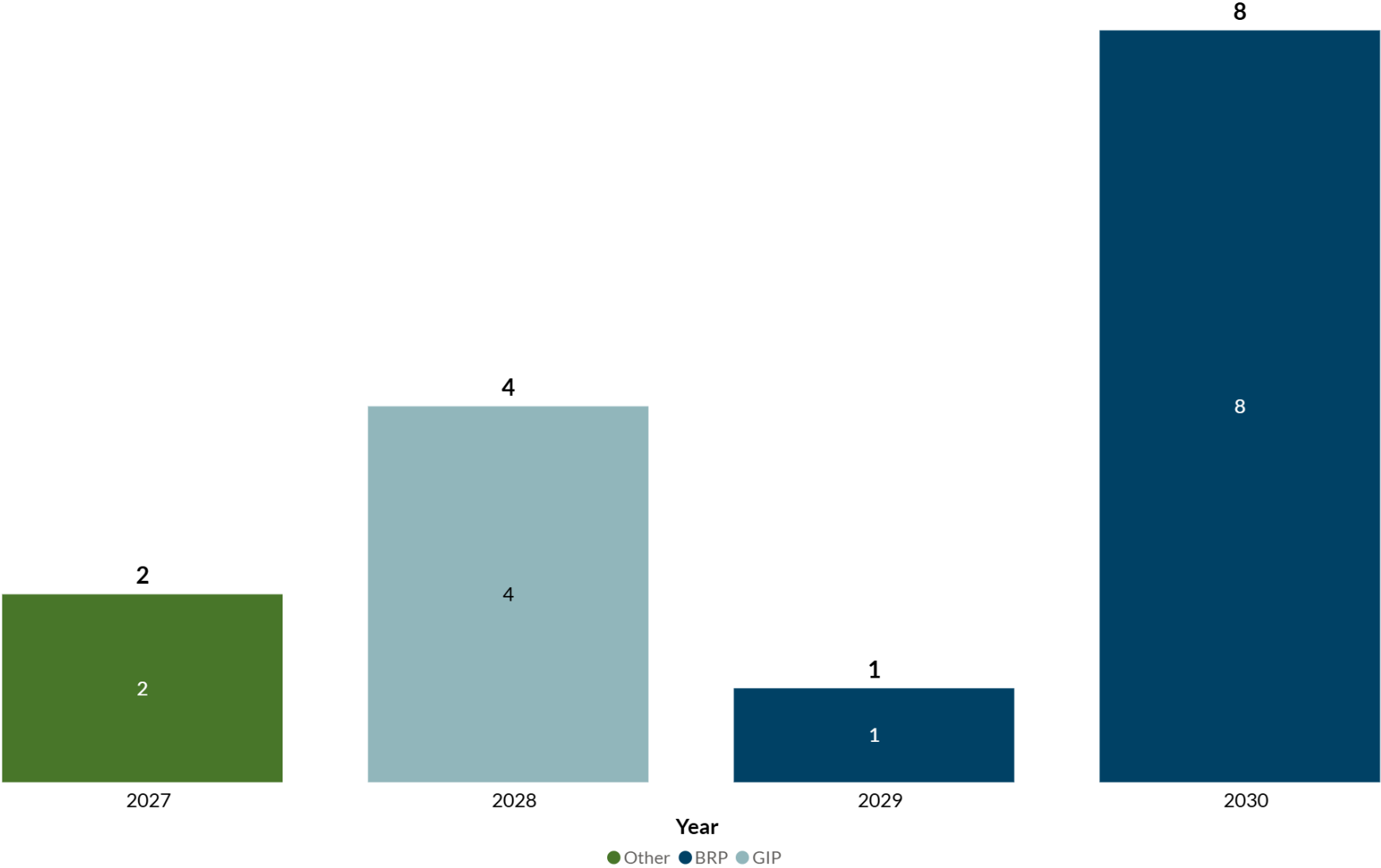
ENTERGY SERVICES, LLC.
MTEP26 Summary



No project location data submitted to MISO for MTEP26

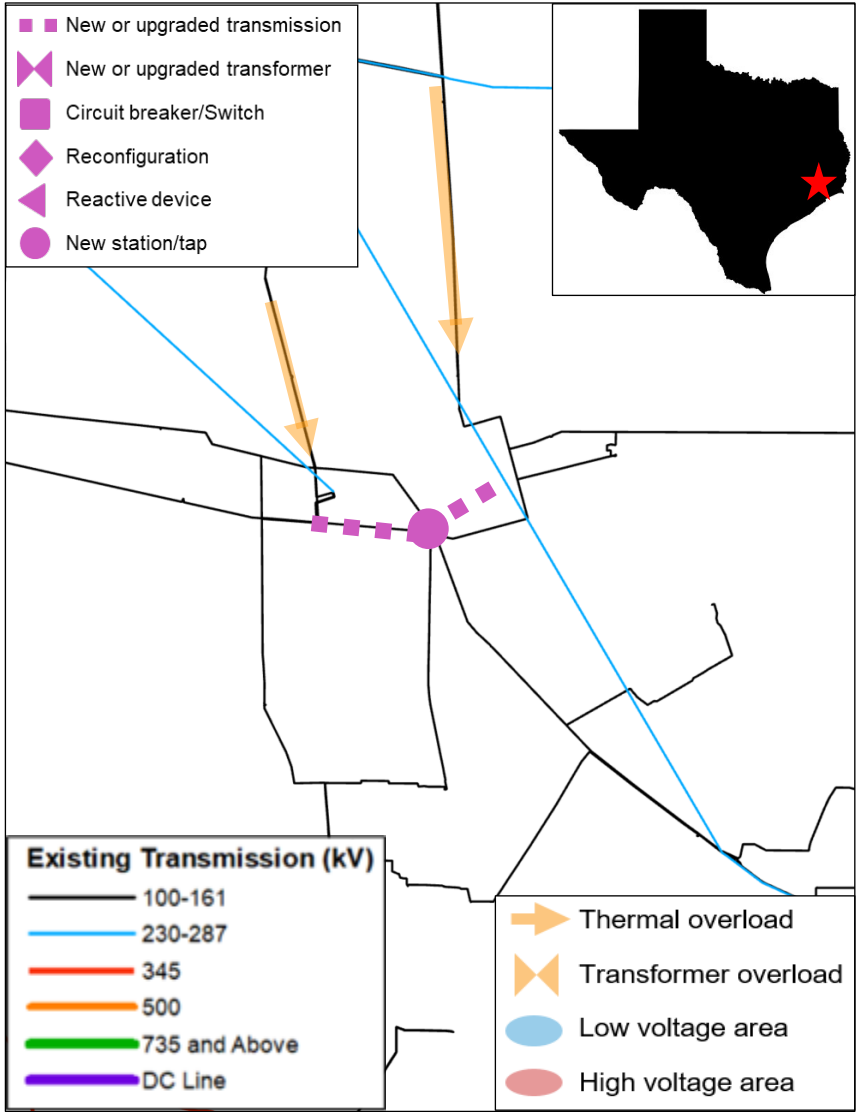
EES - TX MTEP26 ISD Breakdown

Project Count by Expected In-Service Date



Baseline Reliability Project

Details for Conroe 230 kV Autotransformer and Line Rebuild



MTEP Project ID	50949
Project Name	Conroe 230 kV Autotransformer and Line Rebuild
Project Type	BRP
Project Description	Construct 230 kV Conroe station near the existing Conroe 138 kV station. Cut in the Lewis Creek to Porter 230 kV line. Rebuild the Conroe to Ponderosa 138 kV line to 230 kV specifications and terminate in the new Conroe 230 kV station.
System Need	NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause significant loading on Caney Creek to Commerce 138kV line and overloads on Panorama to Longmire 138kV line.
Current Cost	\$63.1 M
Expected ISD	04/27/2030
Target Appendix	A

Baseline Reliability Project

Details for Conroe 230 kV Autotransformer and Line Rebuild

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause significant loading on Caney Creek to Commerce 138kV line and overloads on Panorama to Longmire 138kV line.

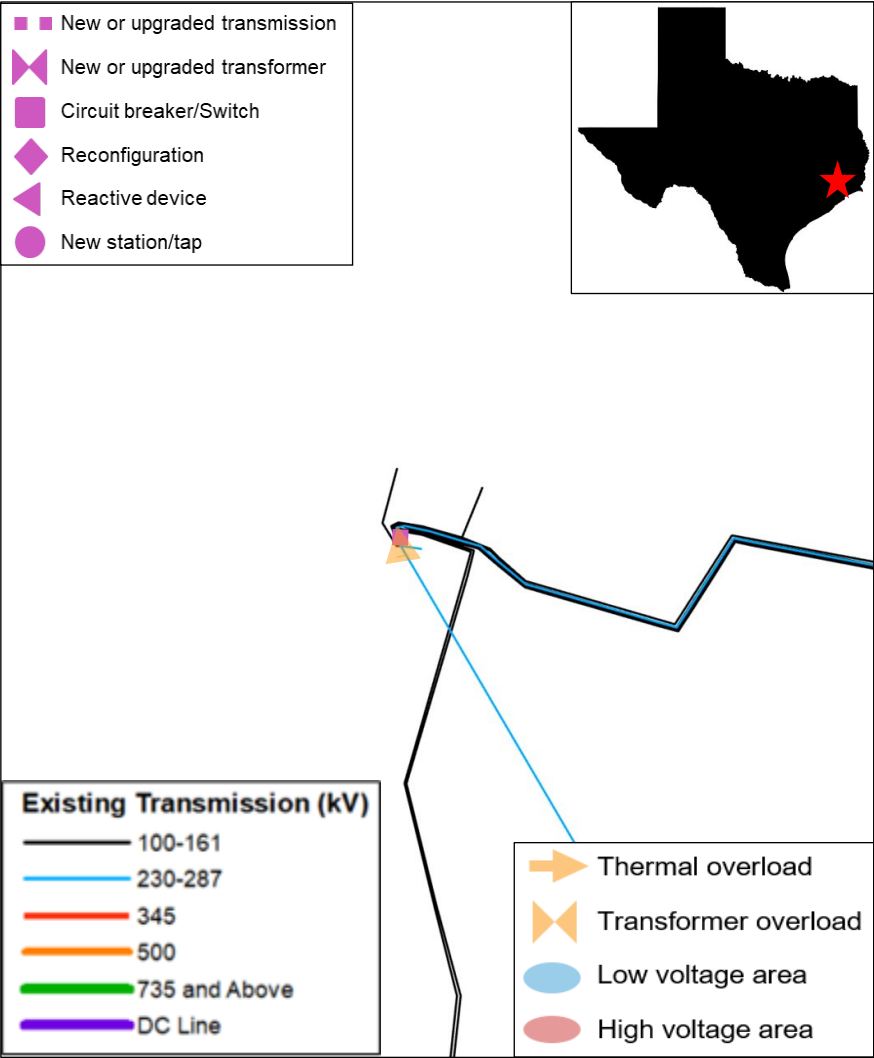
MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[ETI] Panorama - [ETI] Longmire 138 kV	102	68
N-1	[ETI] Caney Creek- [ETI] Commerce 138 kV	94	66

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Lewis Creek to Lacon 138 kV Upgrade



MTEP Project ID	50954
Project Name	Lewis Creek to Lacon 138 kV Upgrade
Project Type	BRP
Project Description	Rebuild Lewis Creek – Lacon 138 kV line. Upgrade any associated station equipment.
System Need	NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Several N-1 events cause a thermal overload on the Lewis Creek to Lacon 138 kV line.
Current Cost	\$2.5 M
Expected ISD	12/01/2030
Target Appendix	A

Baseline Reliability Project

Details for Lewis Creek to Lacon 138 kV Upgrade

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Several N-1 events cause a thermal overload on the Lewis Creek to Lacon 138 kV line.

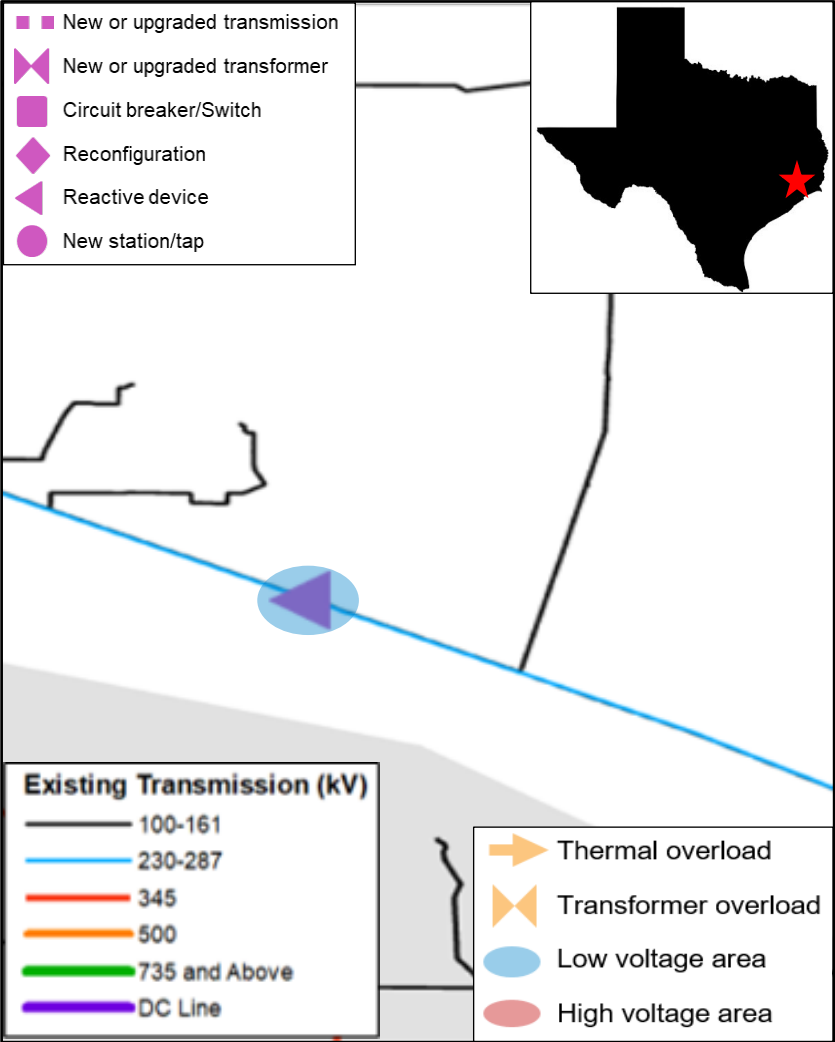
MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[ETI] Lacon - [ETI] Lewis Creek 138 kV	124	65

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Millbend 138 kV Capacitor Bank



MTEP Project ID	50956
Project Name	Millbend 138 kV Capacitor Bank
Project Type	BRP
Project Description	Install a Capacitor Bank at Millbend 138 kV Substation.
System Need	NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes low voltage at Millbend 138 kV Station
Current Cost	\$3.7 M
Expected ISD	09/26/2030
Target Appendix	A

Baseline Reliability Project

Details for Millbend 138 kV Capacitor Bank

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes low voltage at Millbend 138 kV Station

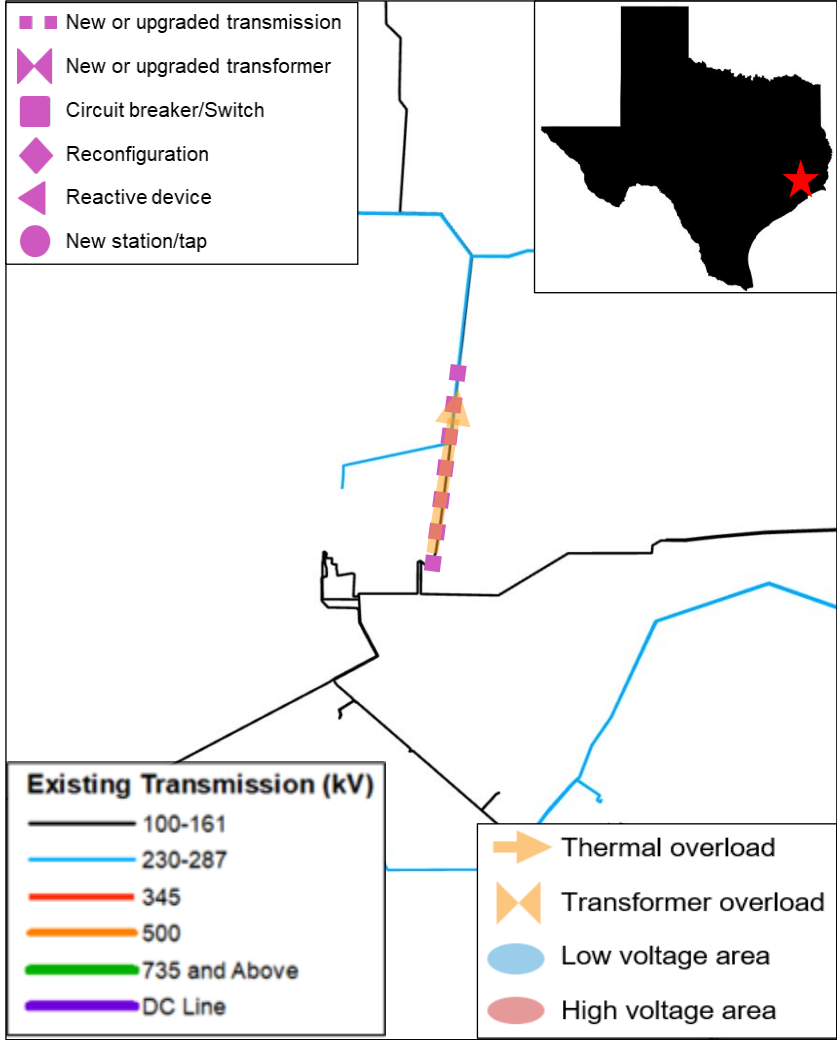
MTEP26 Voltage Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Voltage (pu)	Post-project (post-cont.) Voltage (pu)
N-1	[ETI] Millbend 138 kV	0.89	0.96

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Neches to Viway 138 kV Station Equipment Upgrade



MTEP Project ID	50957
Project Name	Neches to Viway 138 kV Station Equipment Upgrade
Project Type	BRP
Project Description	Upgrade line bay risers at Viway 138 kV to a minimum of 920 amps.
System Need	NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes a thermal overload on Viway – Neches 138 kV line.
Current Cost	\$2.5 M
Expected ISD	10/30/2030
Target Appendix	A

Baseline Reliability Project

Details for Neches to Viway 138 kV Station Equipment Upgrade

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes a thermal overload on Viway – Neches 138 kV line.

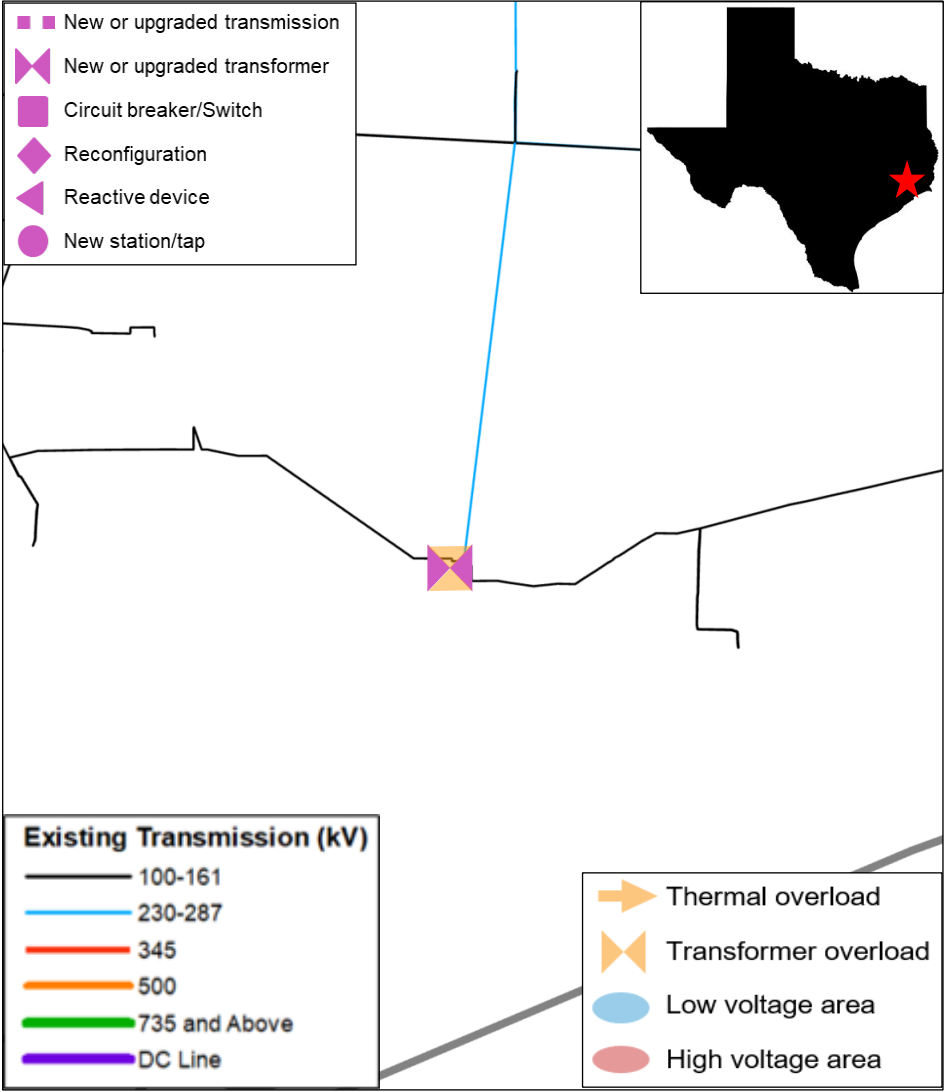
MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[ETI] Viway - [ETI] Neches 138 kV	97	90

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Stowell 138-69 kV Autotransformer Upgrade



MTEP Project ID	50959
Project Name	Stowell 138-69 kV Autotransformer Upgrade
Project Type	BRP
Project Description	Upgrade 138-69 kV Autotransformer 4 at Stowell 138kV Station.
System Need	Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause overloads Stowell 138-69 kV AT 4.
Current Cost	\$7.6 M
Expected ISD	08/01/2030
Target Appendix	A

Baseline Reliability Project

Details for Stowell 138-69 kV Autotransformer Upgrade

Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause overloads Stowell 138-69 kV AT 4.

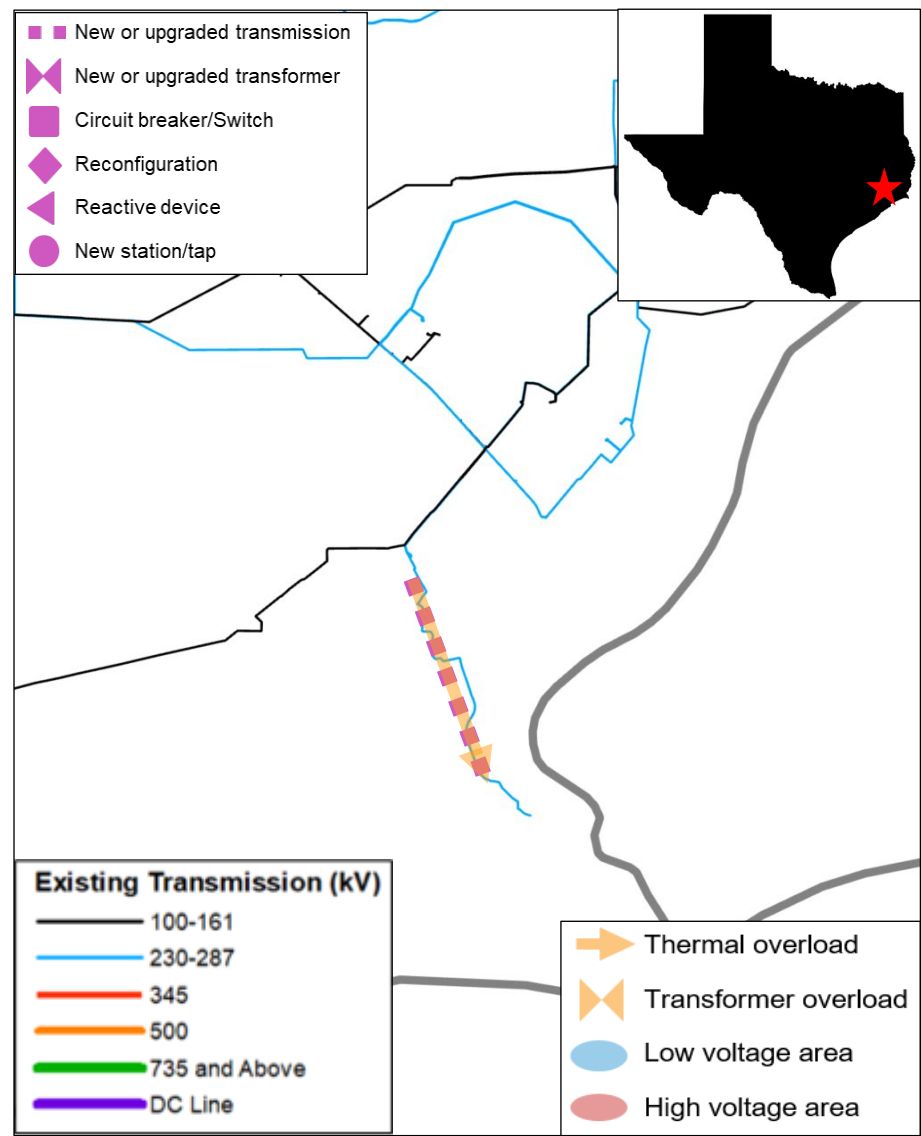
MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[ETI] Stowell 138/69 kV AT4	113	49

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Legend to Sandling 230 kV Lines Rebuild



MTEP Project ID	50961
Project Name	Legend to Sandling 230 kV Lines Rebuild
Project Type	BRP
Project Description	Upgrade Legend-Sandling 230 kV lines 829 and 830.
System Need	NERC TPL and Entergy Local Planning Guidelines and Criteria. A N-1-1 loss of two of the three Legend – Sandling lines causes a thermal overload on the remaining line with load growth in the area.
Current Cost	\$138.9 M
Expected ISD	11/30/2029
Target Appendix	A

Baseline Reliability Project

Details for Legend to Sandling 230 kV Lines Rebuild

NERC TPL and Entergy Local Planning Guidelines and Criteria. A N-1-1 loss of two of the three Legend – Sandling lines causes a thermal overload on the remaining line with load growth in the area.

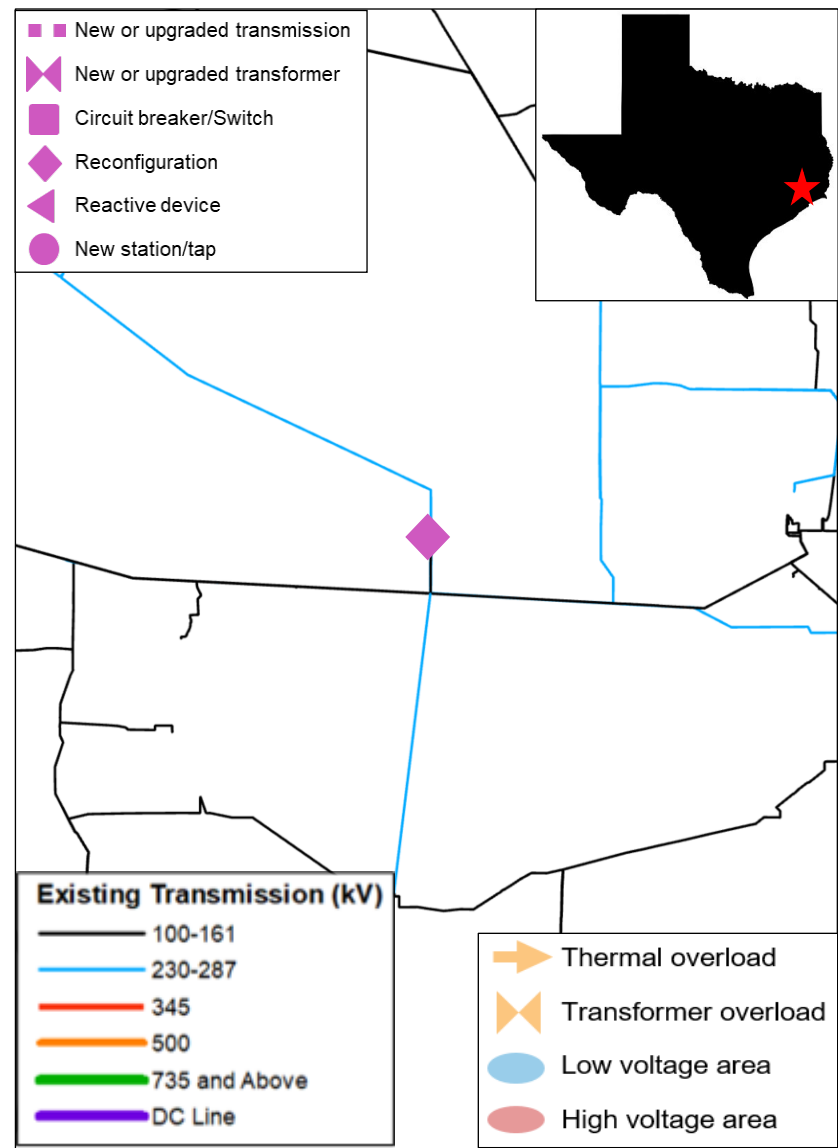
MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	[ETI] Legend-Sandling 230 kV ckt 1	159	71
N-1-1	[ETI] Legend-Sandling 230 kV ckt 3	158	71

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for China 230 kV Station Reconfigure



MTEP Project ID	50962
Project Name	China 230 kV Station Reconfigure
Project Type	BRP
Project Description	Reconfigure China 230 kV bus so that China – Stowell 230 kV and the China 230/138 kV autotransformer do not share a common breaker.
System Need	NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A breaker failure causes a thermal overload on Mid County – Memorial 138 kV line and South Beaumont – Texaco Hillebrandt – Lovells Lake 69kV.
Current Cost	\$6.6 M
Expected ISD	12/31/2030
Target Appendix	A

Baseline Reliability Project

Details for China 230 kV Station Reconfigure

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A breaker failure causes a thermal overload on Mid County – Memorial 138 kV line and South Beaumont – Texaco Hillebrandt – Lovells Lake 69kV.

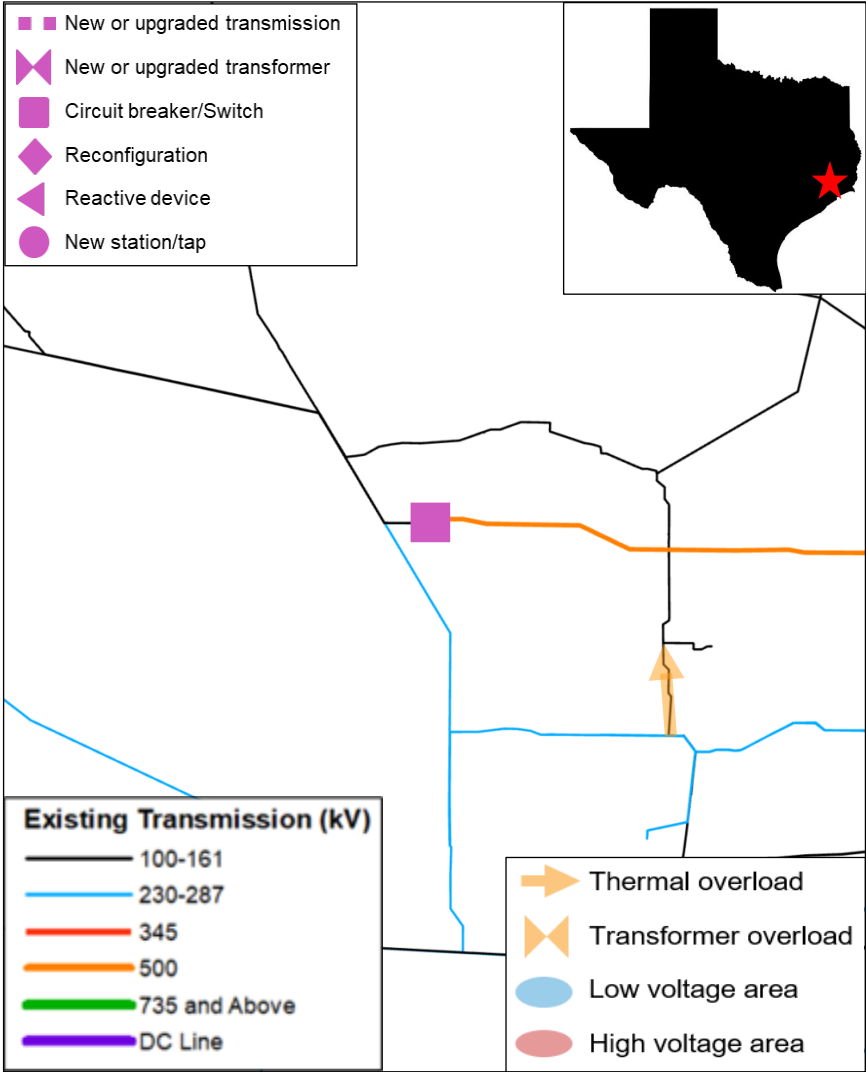
MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[ETI] Mid County – [ETI] Memorial 138 kV	105	50

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Cypress 500/230/138 kV SPOF



MTEP Project ID	50963
Project Name	Cypress 500/230/138 kV SPOF
Project Type	BRP
Project Description	Ensure relay redundancy at Cypress 500, 230, and 138 kV buses: trip coils, batteries, relays to eliminate the P5 contingency.
System Need	NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. This single point of failure results in a thermal violation for Viway – Neches 138 kV line.
Current Cost	\$3.7 M
Expected ISD	12/01/2030
Target Appendix	A

Baseline Reliability Project

Details for Cypress 500/230/138 kV SPOF

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. This single point of failure results in a thermal violation for Viway – Neches 138 kV line.

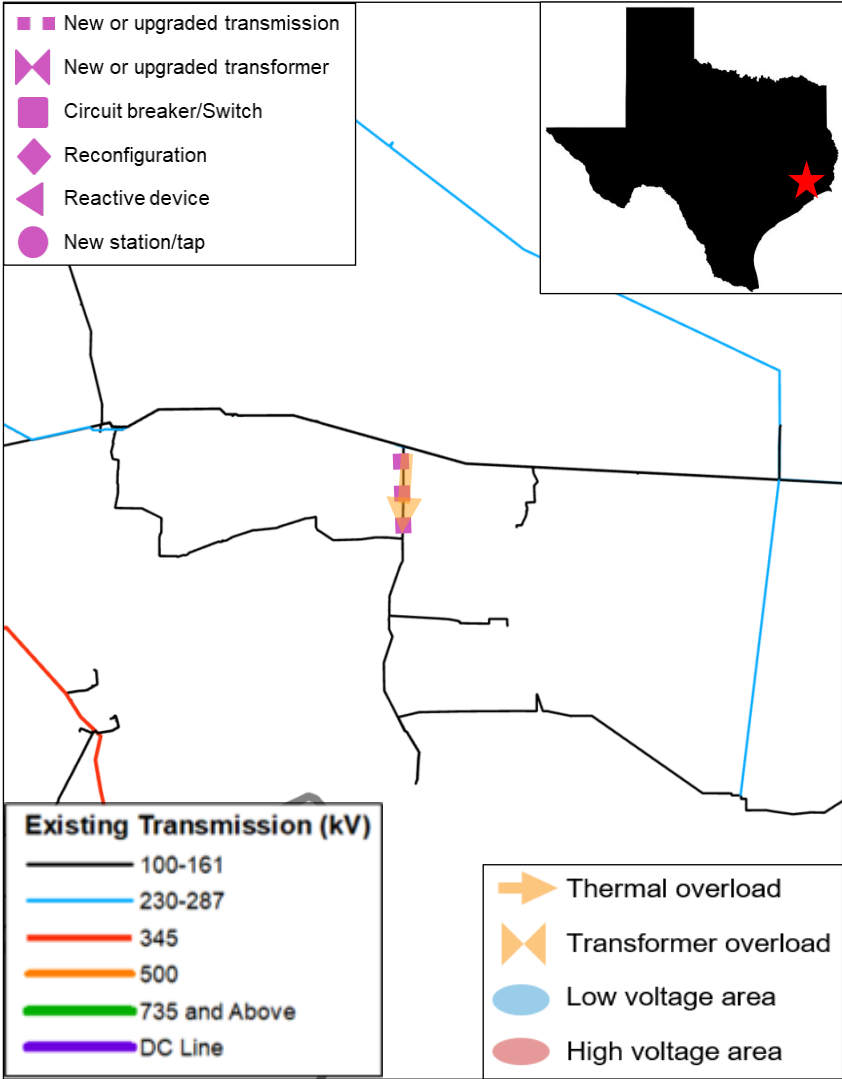
MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[ETI] Viway - [ETI] Neches 138 kV	98	92

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Raywood to Pintail 138 kV Rebuild



MTEP Project ID	50967
Project Name	Raywood to Pintail 138 kV Rebuild
Project Type	BRP
Project Description	Rebuild/Upgrade portions of the Raywood – Pintail 138 kV line.
System Need	NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. For a N-1-1 event, the system must be reconfigured to stay within thermal and voltage criteria. This upgrade is required during the reconfiguration of the system to avoid an overload of the Raywood to Pintail 138 kV.
Current Cost	\$5.2 M
Expected ISD	12/31/2030
Target Appendix	A

Baseline Reliability Project

Details for Raywood to Pintail 138 kV Rebuild

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. For a N-1-1 event, the system must be reconfigured to stay within thermal and voltage criteria. This upgrade is required during the reconfiguration of the system to avoid an overload of the Raywood to Pintail 138 kV.

MTEP26 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	[ETI] Raywood - [ETI] Pintail 138 kV	116	60

Preliminary Recommendation: Move to Appendix A

BRP Project Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost
50949	Conroe 230 kV Autotransformer and Line Rebuild	04/27/2030	\$63.1 M
50954	Lewis Creek to Lacon 138 kV Upgrade	12/01/2030	\$2.5 M
50956	Millbend 138 kV Capacitor Bank	09/26/2030	\$3.7 M
50957	Neches to Viway 138 kV Station Equipment Upgrade	10/30/2030	\$2.5 M
50959	Stowell 138-69 kV Autotransformer Upgrade	08/01/2030	\$7.6 M
50961	Legend to Sandling 230 kV Lines Rebuild	11/30/2029	\$138.9 M
50962	China 230 kV Station Reconfigure	12/31/2030	\$6.6 M
50963	Cypress 500/230/138 kV SPOF	12/01/2030	\$3.7 M
50967	Raywood to Pintail 138 kV Rebuild	12/31/2030	\$5.2 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50932	2027 ETI Asset Renewal	Age and Condition	12/31/2027	\$35.1 M
51329	Brazos Plantersville 230 kV Station	Load Growth	12/01/2027	\$0.1 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Generator Interconnection Projects (GIPs)

MTEP Project ID	Project Name	Expected ISD	Current Cost
51156	J2165 230kV Interconnection on Jacinto to Batiste Creek 230 kV	11/01/2028	\$5.0 M
51169	J2075 230kV Interconnection on Batiste Creek to China 230 kV	05/30/2028	\$24.6 M
51190	J1849 GIA at Cypress 230 kV Station	05/30/2028	\$7.7 M
51201	J2071 GIA POI on Cypress to Rye 138 kV	12/01/2028	\$30.2 M

East Texas Electric Cooperative, Inc.

EAST TEXAS ELECTRIC COOPERATIVE, INC.

MTEP26 Projects

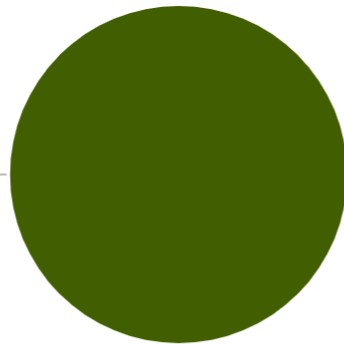


3
Total Projects

\$153M
Investment

Breakdown of Other Project Types By Project Count

Age and Condition
1



Line Miles by Voltage Level

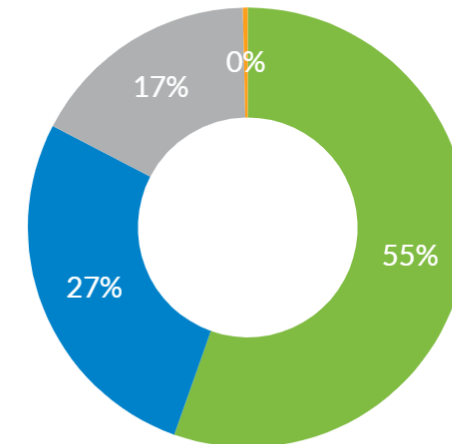
● ≤161 kV

100%

Project Facility Types

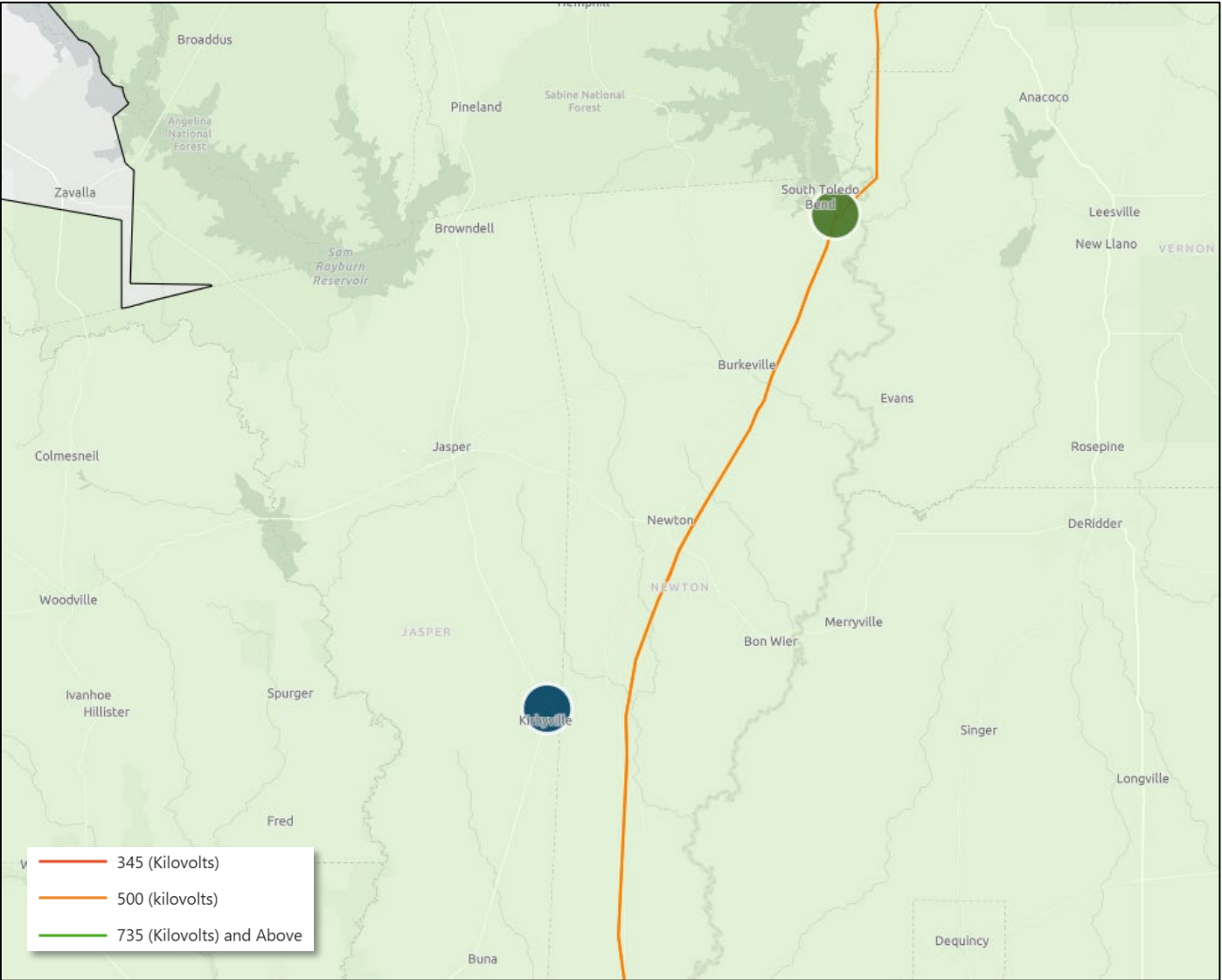
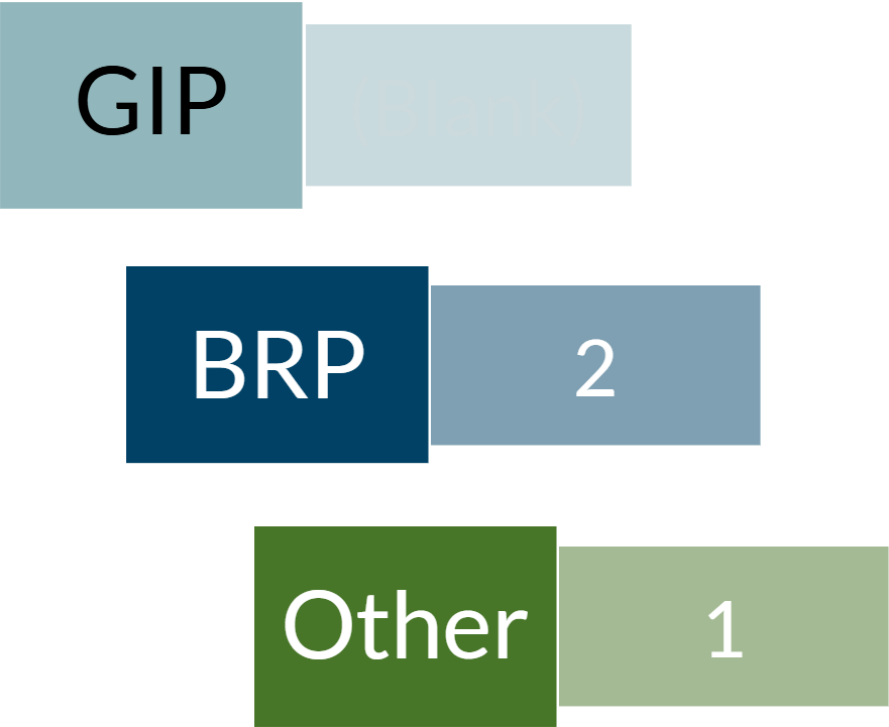
As a Percentage of Cost

● Line New ● Line Upgrade ● Substation ● Misc.

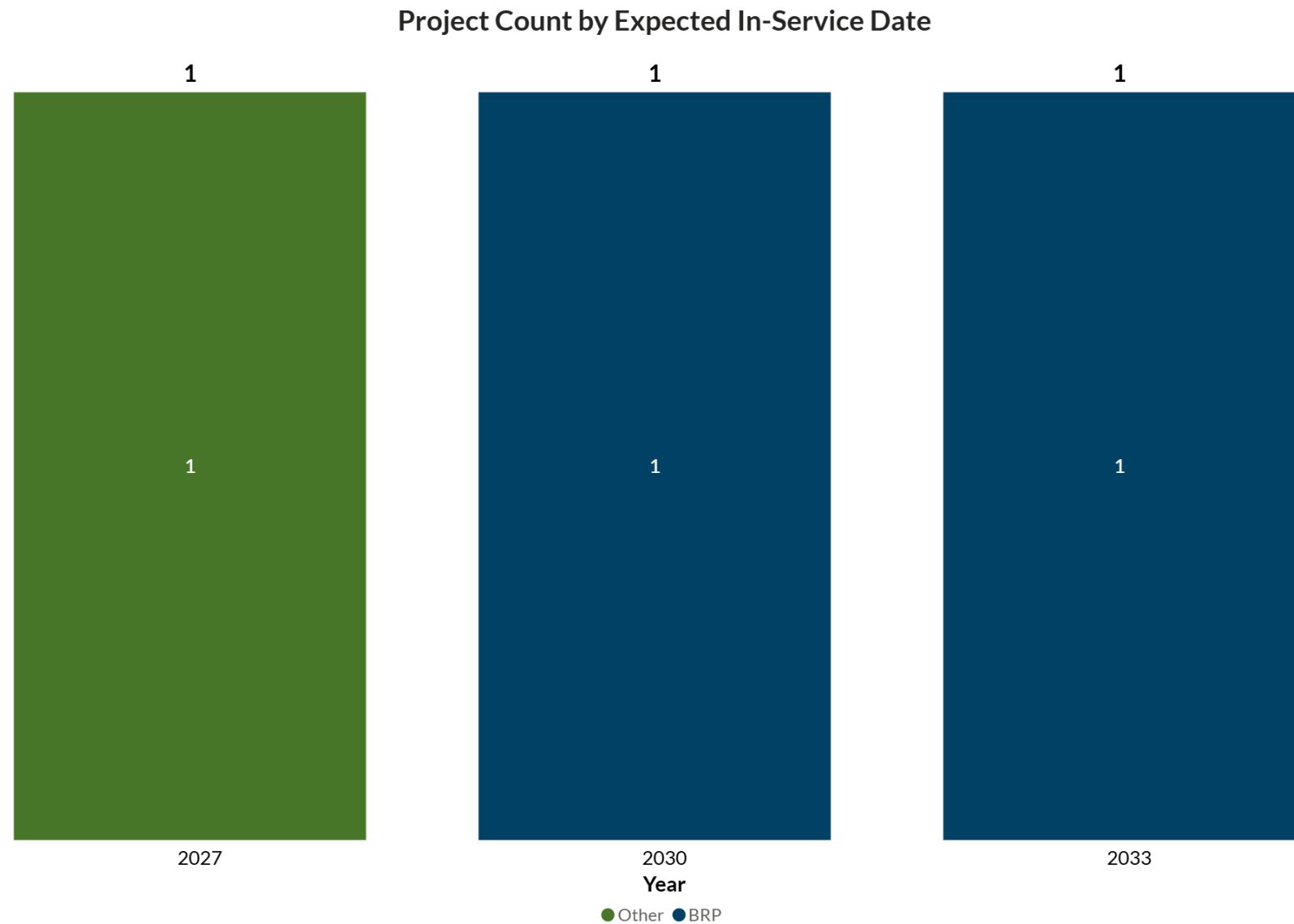


ETEC MTEP26 Project Type Breakdown

EAST TEXAS ELECTRIC COOPERATIVE, INC. MTEP26 Summary

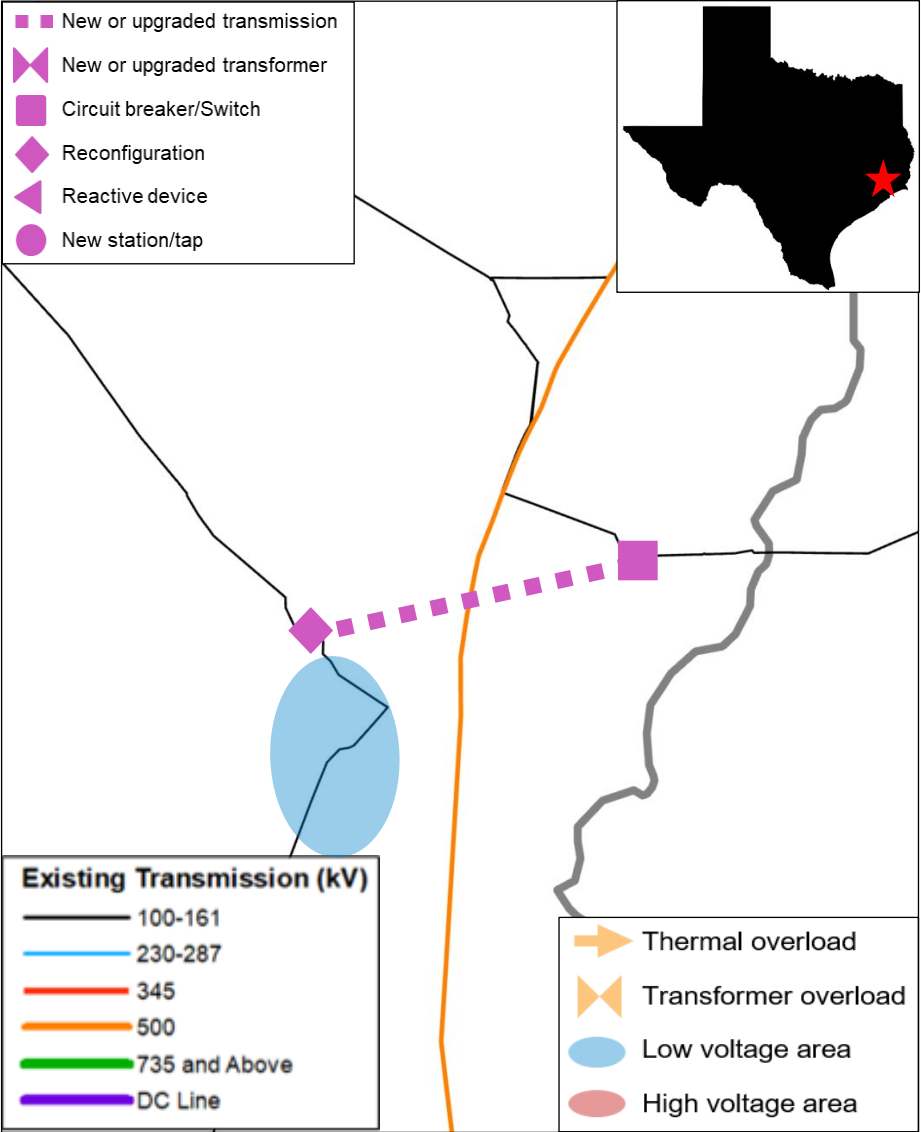


ETEC MTEP26 ISD Breakdown



Baseline Reliability Project

Details for JNEC-Kirbyville to Entergy-Fawil 138kV Project



MTEP Project ID	50793
Project Name	JNEC- Kirbyville to Entergy-Fawil 138kV Project
Project Type	BRP
Project Description	This project was created to address a TPL-001-5.1 violation for N-1-1 events. ETEC/JNEC will build a new 12.61 mile 138kV transmission line from Entergy's 138kV Fawil substation to Jasper Newton's (JNEC) 138kV Kirbyville substation. We will reconfigure the Kirbyville substation into a four-breaker ring bus substation to accommodate the new 138kV line. Entergy will have substation upgrades at Fawil as well.
System Need	To alleviate low voltages (below 0.9pu) between Buna and Millcreek on JNEC system when a N-1-1 contingency event occurs.
Current Cost	\$75.0 M
Expected ISD	12/01/2030
Target Appendix	A

Baseline Reliability Project

Details for JNEC- Kirbyville to Entergy-Fawil 138kV Project

To alleviate low voltages (below 0.9pu) between Buna and Millcreek on JNEC system when a N-1-1 contingency event occurs.

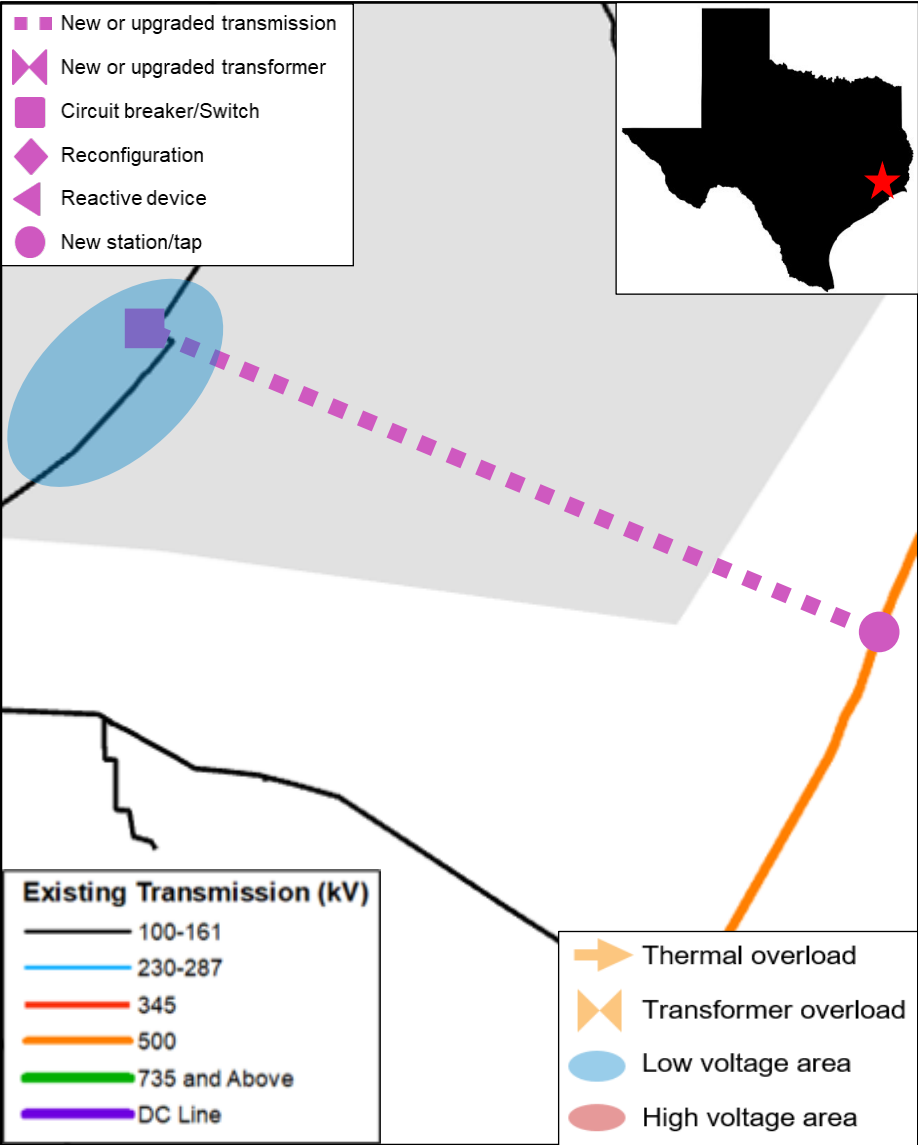
MTEP26 Voltage Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Voltage (pu)	Post-project (post-cont.) Voltage (pu)
N-1-1	[JNEC] Buna	0.61	0.93
N-1-1	[JNEC] North Buna	0.61	0.93
N-1-1	[JNEC] Temple	0.61	0.93
N-1-1	[JNEC] Call	0.62	0.93
N-1-1	[JNEC] Kirby	0.63	0.94

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for DETEC-Horton Hill to Weirgate 138kV conversion



MTEP Project ID	51202
Project Name	DETEC-Horton Hill to Weirgate 138kV conversion
Project Type	BRP
Project Description	ETEC and its member cooperative, Deep East Texas Cooperative (DETEC) will convert an existing 69kV line from Pineland 69kV to Wiergate to 138kV and establish a new interconnection at DETEC-Horton Hill. ETEC will then loop the SPP 138kV system into a new 138kV switching station cut in along the Entergy Newton Bulk to Leach 138kV transmission line.
System Need	This project has been created to address voltage issues in MISO system (N-1-1) pursuant to the Planning Criteria and address ETEC local planning criteria violations in SPP.
Current Cost	\$77.2 M
Expected ISD	12/31/2033
Target Appendix	A

Baseline Reliability Project

Details for DETEC-Horton Hill to Weirgate 138kV conversion

This project has been created to address voltage issues in MISO system (N-1-1) pursuant to the Planning Criteria and address ETEC local planning criteria violations in SPP.

MTEP26 Voltage Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Voltage (pu)	Post-project (post-cont.) Voltage (pu)
N-1-1	[JNEC] McGee	0.89	0.99
N-1-1	[JNEC] Mill Creek	0.89	1.0
N-1-1	[JNEC] Peach	0.90	0.99

Preliminary Recommendation: Move to Appendix A

BRP Project Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost
50793	JNEC- Kirbyville to Entergy-Fawil 138kV Project	12/01/2030	\$75.0 M
51202	DETEC-Horton Hill to Weirgate 138kV conversion	12/31/2033	\$77.2 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
51310	Leach station breaker age and condition.	Age and Condition	02/01/2027	\$0.8 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
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Sam Houston Electric Cooperative, Inc.

SAM HOUSTON ELECTRIC COOPERATIVE, INC.

MTEP26 Projects

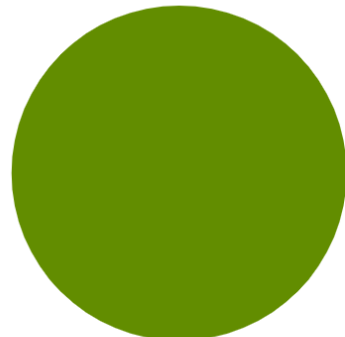


● Other

1
Total Projects

\$10M
Investment

Breakdown of Other Project Types By Project Count

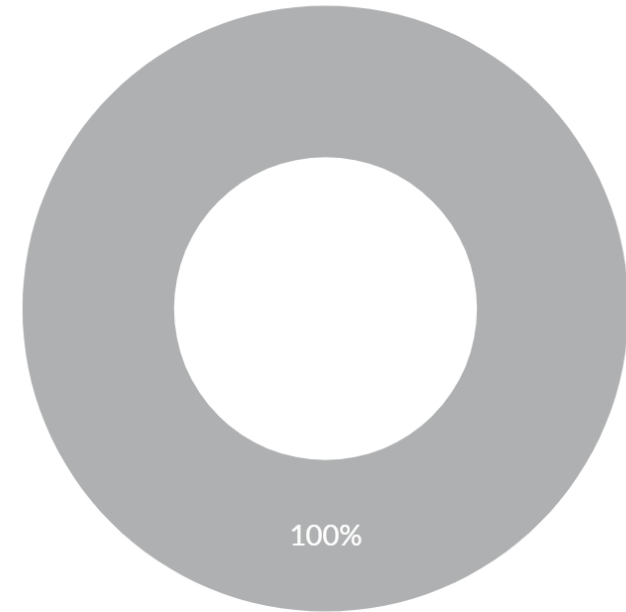


Local Reliability 1

Project Facility Types

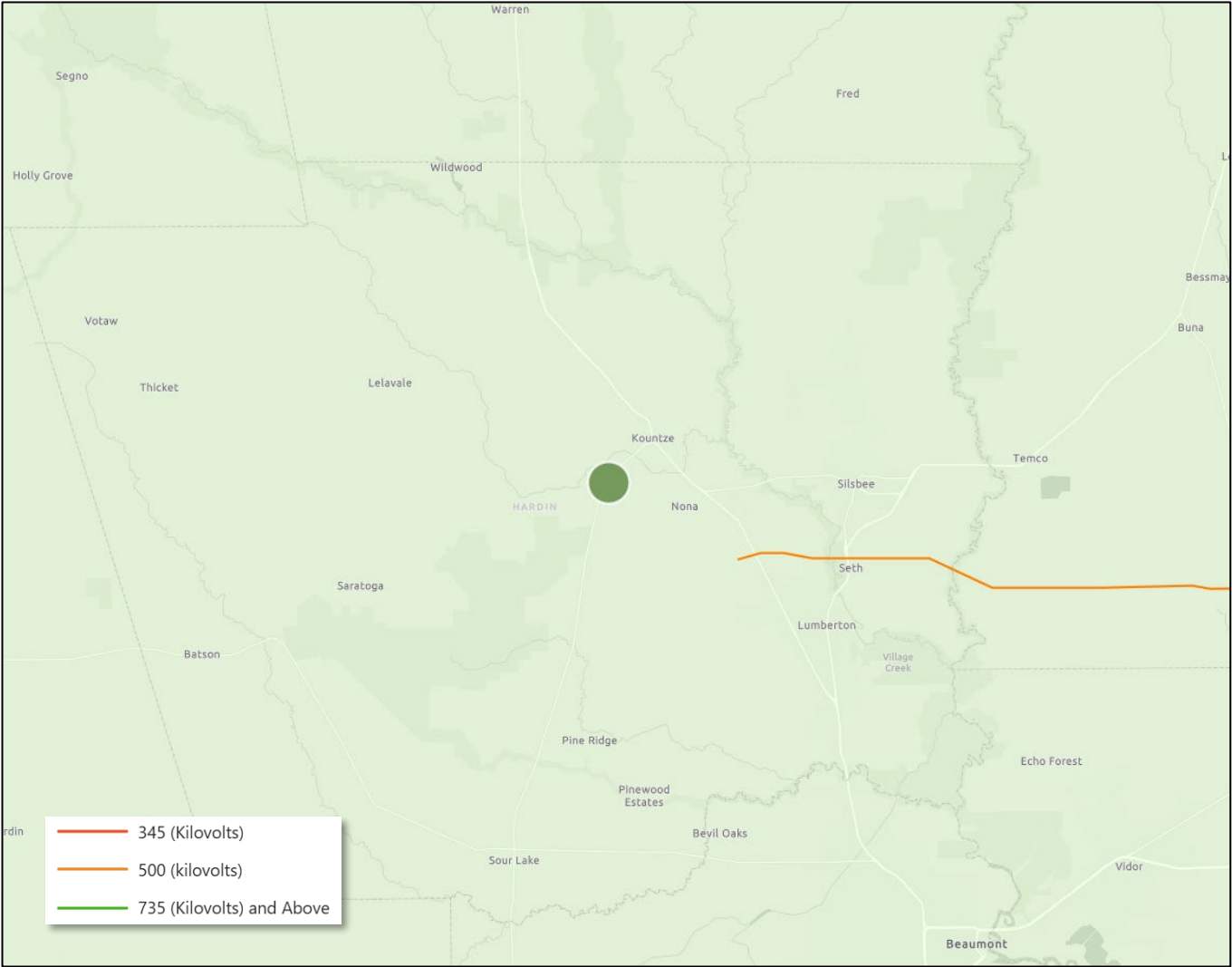
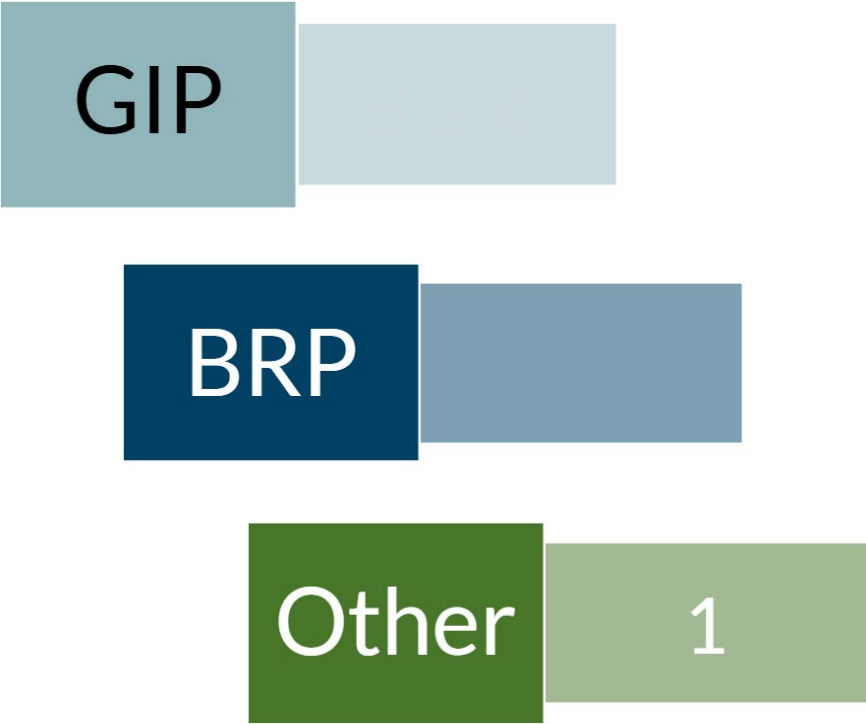
As a Percentage of Cost

● Substation



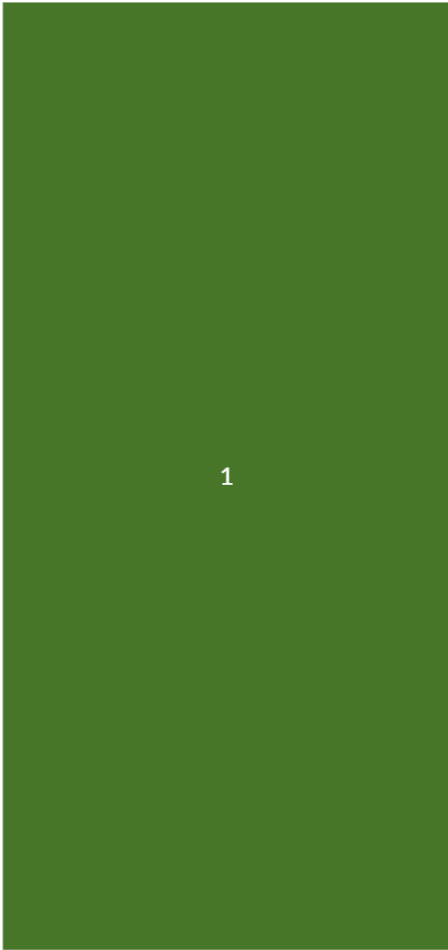
SHECO MTEP26 Project Type Breakdown

SAM HOUSTON ELECTRIC COOPERATIVE, INC. MTEP26 Summary



SHECO MTEP26 ISD Breakdown

Project Count by Expected In-Service Date



2027
Year

● Other

Unlabeled

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
<u>50747</u>	<u>New Sub 138kV Sub Fish Lake</u>	<u>Local Reliability</u>	<u>10/01/2027</u>	<u>\$10.0 M</u>

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Contacts

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Questions?



MISO is the electric grid operator for the central United States. We ensure power flows reliably and affordably across 15 states and the Canadian province of Manitoba. Additionally, MISO facilitates the buying and selling of electricity in its region and partners with its stakeholders to plan the grid of the future.

45 million people depend upon the work we do and the service we provide 24/7/365.

Learn more and follow MISO at:

misoenergy.org

LinkedIn: Midcontinent ISO

