



MTEP26 Project Information – Louisiana

Entergy Services, LLC – Louisiana (EES-LA); 1803 Electric Cooperative, Inc. (1803); CLECO Power, LLC (CLEC); Lafayette Utilities System (LAFA); City of Alexandria, LA (COA)

2nd South Subregional Planning Meeting

Wednesday, June 3, 2026

UPDATE: Slide 27 (6/10/2026)

Purpose & Key Takeaway

Purpose

Review and discuss submitted 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*.

Louisiana Region Overview

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

- Entergy Services, LLC — Louisiana: 32 submitted projects at an estimated cost of \$4.5 billion
- 1803 Electric Cooperative: 14 submitted projects at an estimated cost of \$155 million
- CLECO Power, LLC: 2 submitted projects at an estimated cost of \$117 million
- Lafayette Utilities System & City of Alexandria, LA did not submit projects for consideration in MTEP26

Entergy Services, LLC – Louisiana

ENTERGY SERVICES, LLC.

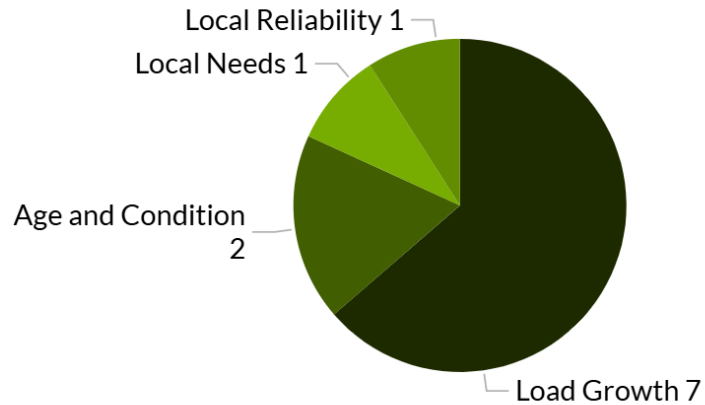
MTEP26 Projects



32
Total Projects

\$4,481M
Investment

Breakdown of Other Project Types By Project Count



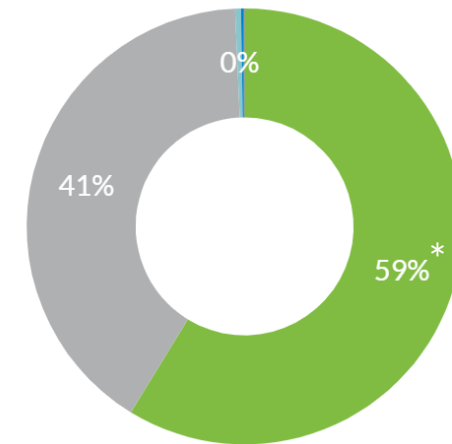
Line Miles by Voltage Level

● ≤161 kV ● 500 kV

99%*

Project Facility Types As a Percentage of Cost

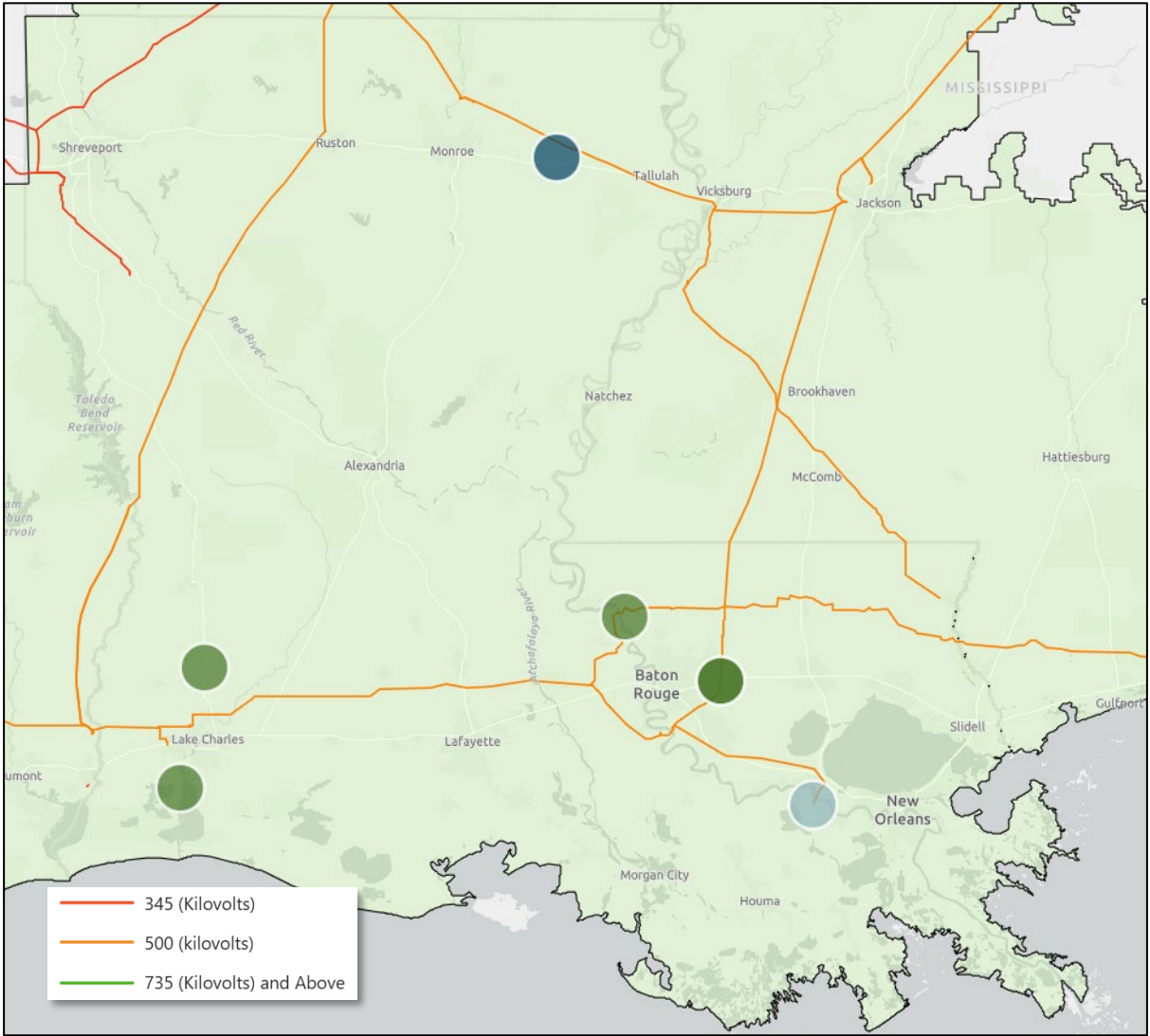
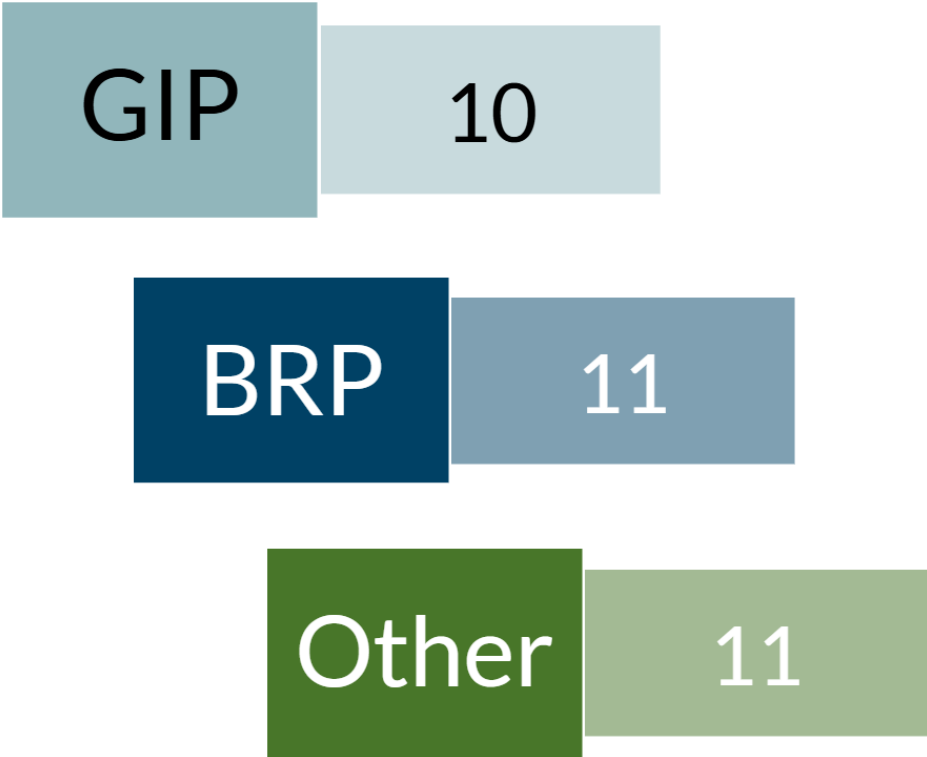
● Line New ● Substation ● Transformer ● Line Upgrade ● Voltage Device



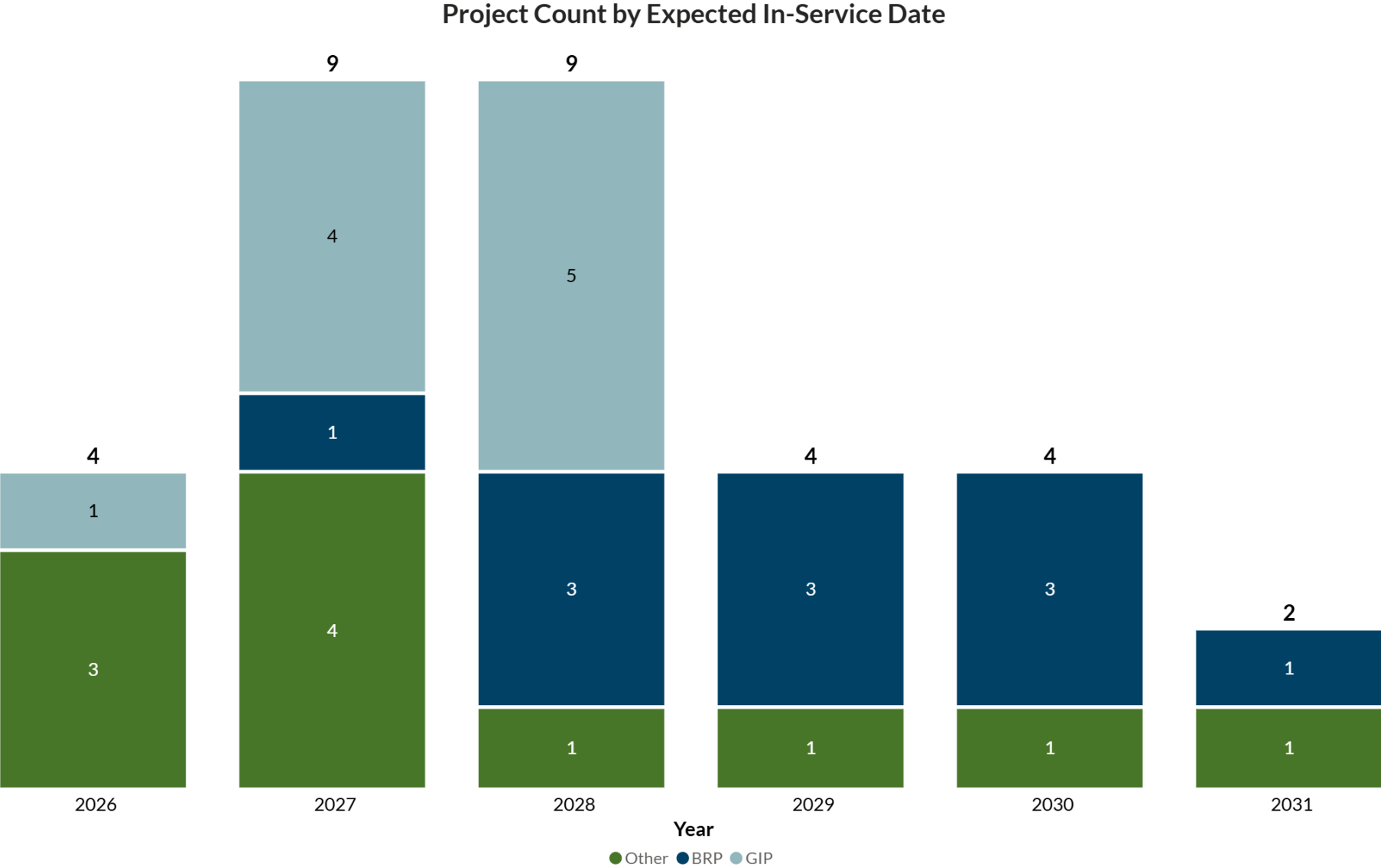
EES - LA MTEP26 Project Type Breakdown

ENTERGY SERVICES, LLC.

MTEP26 Summary

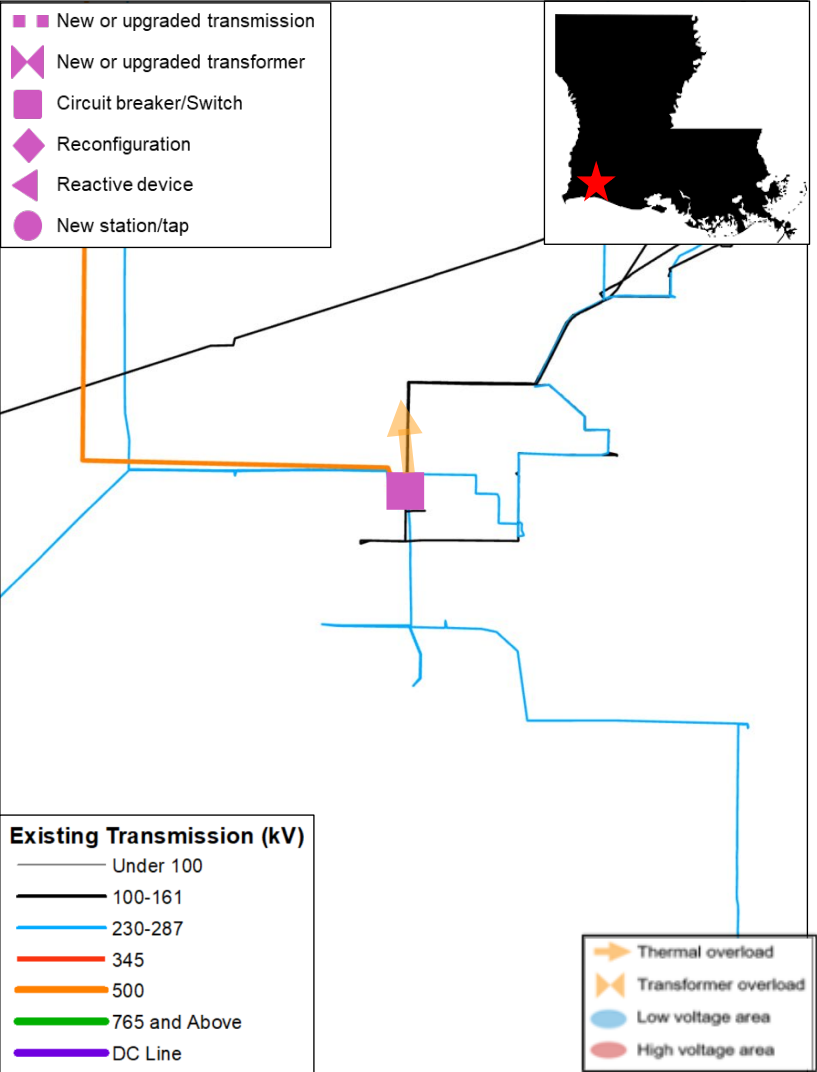


EES - LA MTEP26 ISD Breakdown



Baseline Reliability Project

Details for Carlyss 230 kV SPOF



MTEP Project ID	50934
Project Name	Carlyss 230 kV SPOF
Project Type	BRP
Project Description	Install a second battery bank at Carlyss 230 kV station. The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay. The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets. The DC panels cannot be wired in series or in parallel to one another.
System Need	NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P5 non-redundant bus differential relay failure will cause thermal overloads on the Sphere – Line 655 Tap and Mossville – Line 655 Tap 69 kV lines.
Current Cost	\$0.7 M
Expected ISD	06/01/2028
Target Appendix	A

Baseline Reliability Project

Details for Carlyss 230 kV SPOF

The Sphere – Line 655 Tap and Mossville – Line 655 Tap 69 kV lines experience thermal overloads due to N-1's. This project alleviates this issue by separating two bus relays and trip coils.

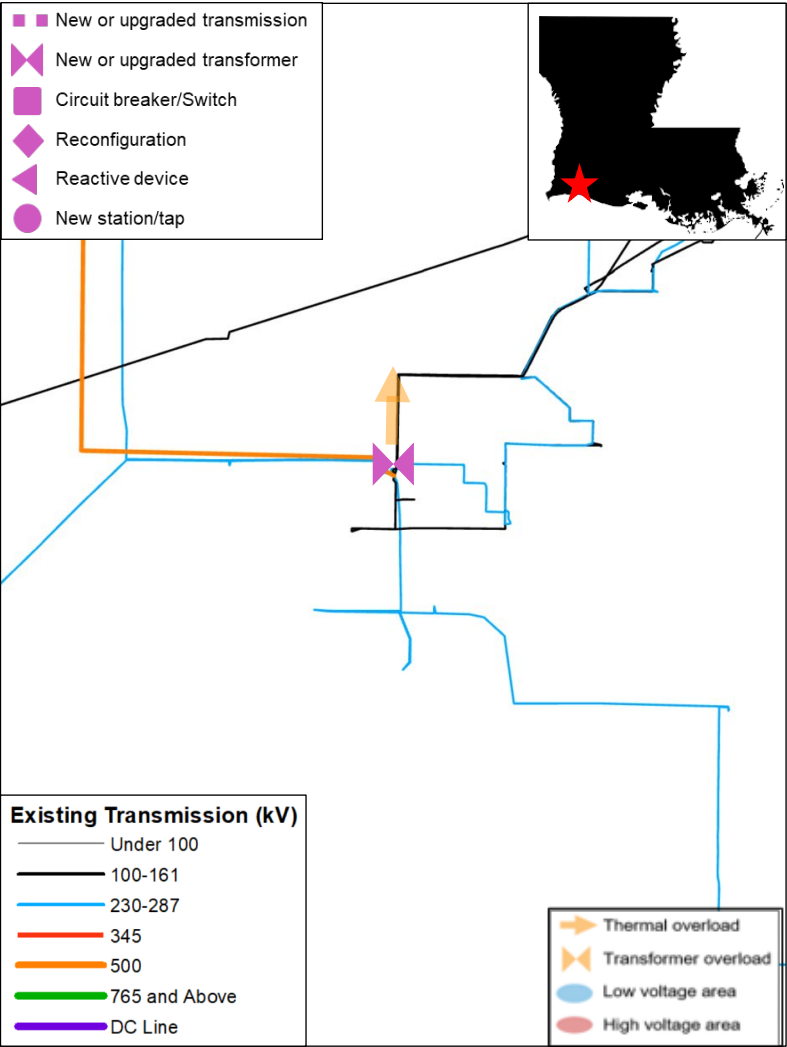
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	LINE-655_TP to MOSSVILLE 69.0 kV Line	199	14
N-1	SPHERE to LINE-655_TP 69.0 kV Line	195	13

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Carlyss 230-138 kV Autotransformer Upgrade



MTEP Project ID	50936
Project Name	Carlyss 230-138 kV Autotransformer Upgrade
Project Type	BRP
Project Description	Upgrade Carlyss 230/138 kV Autotransformer
System Need	NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P3 for the loss of LCPS and the Nelson 230/138 kV AT causes a thermal overload of the Carlyss 230/138 kV AT
Current Cost	\$19.5 M
Expected ISD	12/15/2030
Target Appendix	A

Baseline Reliability Project

Details for Carlyss 230-138 kV Autotransformer Upgrade

The Carlyss 230/138 kV AT experiences thermal overloads due to a couple N-1-1 scenarios. This project alleviates those issues by increasing the rating of the transformer with a transformer upgrade.

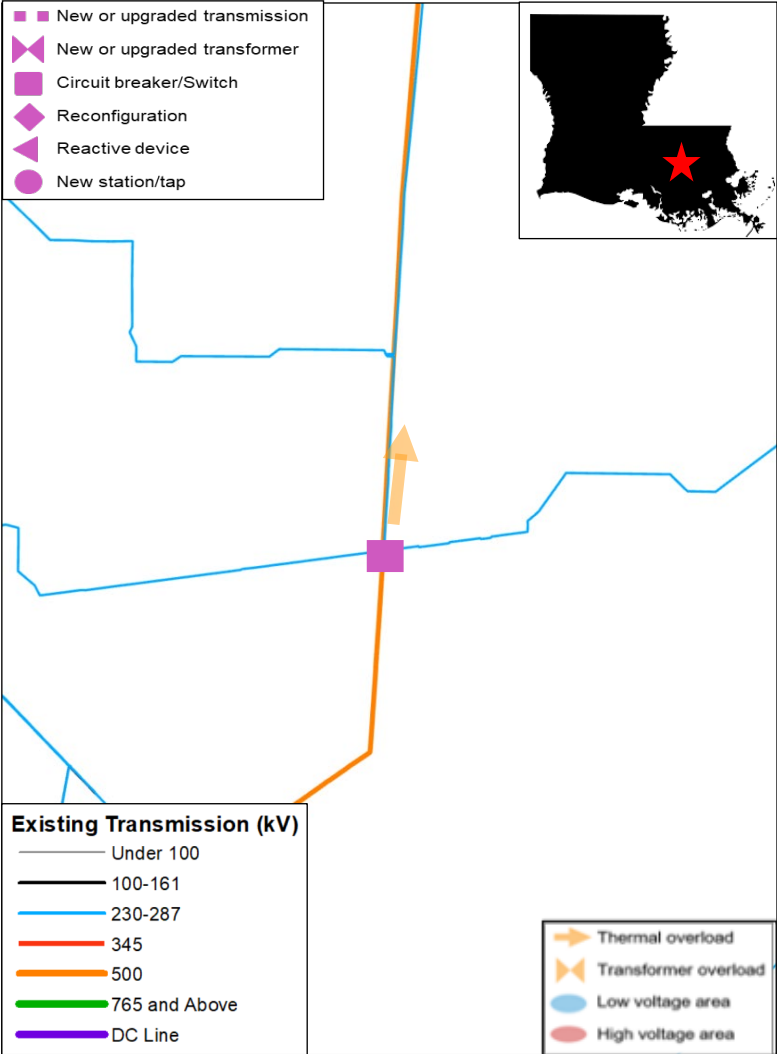
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	Carlyss 230/138 kV XFMR	125	37

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Coly 500 kV GIS Bus replacement



MTEP Project ID	50937
Project Name	Coly 500 kV GIS Bus replacement
Project Type	BRP
Project Description	Replace current obsolete 500 kV GIS with new GIS.
System Need	NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure. Most overloads are associated with loss of sections involving Coly to McKnight.
Current Cost	\$75.7 M
Expected ISD	06/01/2029
Target Appendix	A

Baseline Reliability Project

Details for Coly 500 kV GIS Bus replacement

The Coly - Moler 230kV and Ventress - Waterloo 230kV lines experience thermal overloads due to a series of N-1-1's. This project alleviates these issues by replacing the old Coly GIS bus with a more readily available GIS bus.

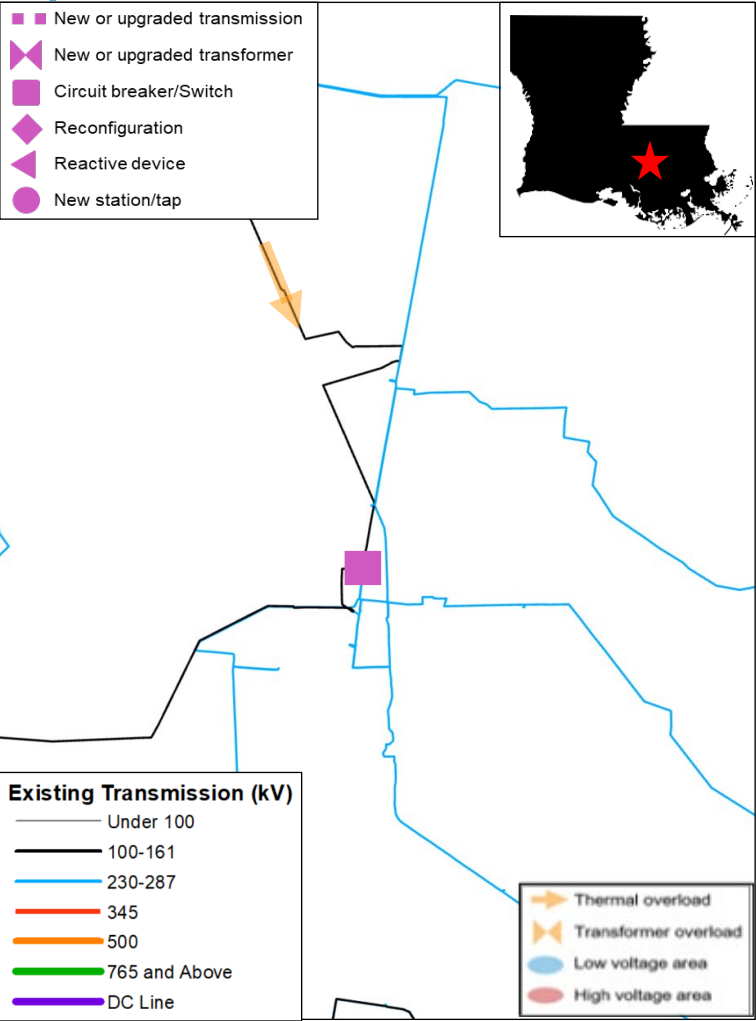
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	Coly to Moler 230kV Line	102	39
N-1-1	Ventress to Waterloo 230kV Line	100	49

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Jaguar 230 kV GIS Replacement



MTEP Project ID	50939
Project Name	Jaguar 230 kV GIS Replacement
Project Type	BRP
Project Description	Replace current obsolete GIS bus with an open air 230 kV bus. Ensure the following scope is addressed to mitigate P5 contingency: - Install a second battery bank at Jaguar 230 kV station - The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay - The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets The DC panels cannot be wired in series or in parallel to one another. Additional scope to ensure redundancy of the relays and its components will be identified by relay design.
System Need	NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure. Most overloads are associated with loss of sections involving Jaguar 230-69 kV AT1/2, Jaguar to Coly, or Jaguar to Enjay 230 kV lines. Additionally, a P5 non-redundant bus differential relay failure on the Jaguar 230 kV bus will cause thermal overloads on the Blount – Hoechst and Hoechst – Port Hudson 69 kV lines.
Current Cost	\$37.6 M
Expected ISD	02/28/2029
Target Appendix	A

Baseline Reliability Project

Details for Jaguar 230 kV GIS Replacement

The Blount – Hoechst and Hoechst – Port Hudson 69 kV lines experience thermal loading after several different types of N-1-1's. This projects alleviates those issues by replacing the old Jaguar GIS bus with an open air bus as well as separating both relays and trip coils.

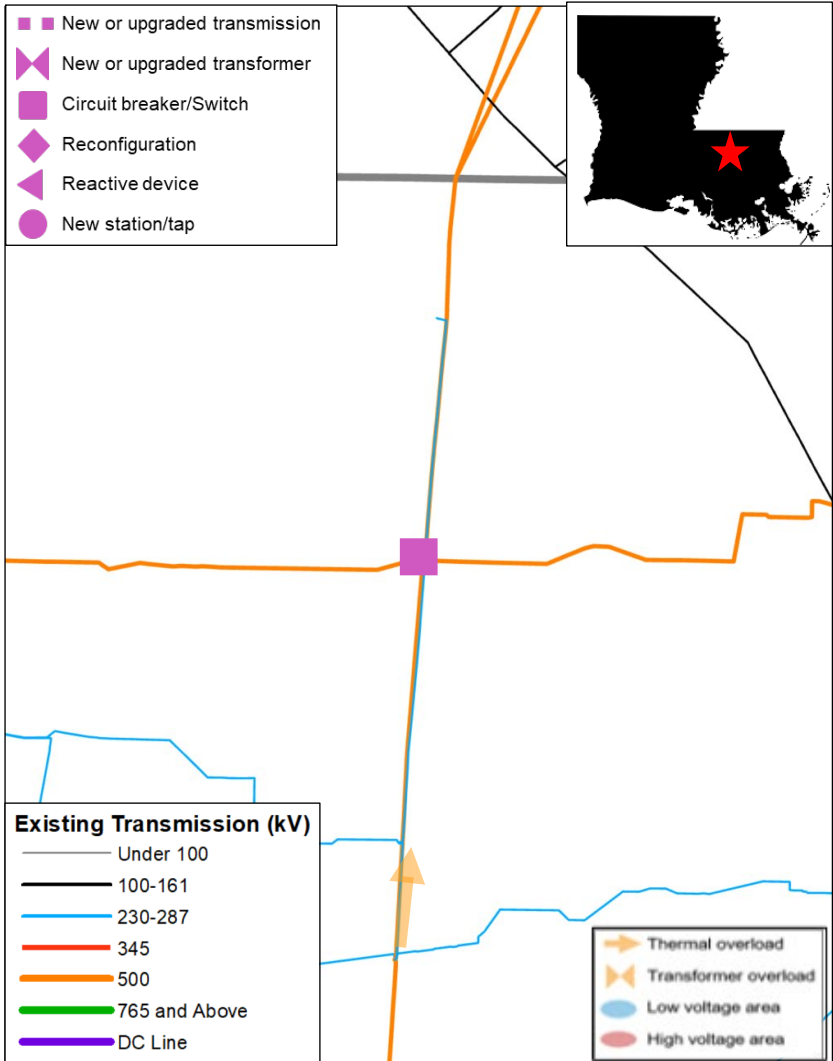
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	Port Hudson to Hoechst 69kV	105	60
N-1-1	Northdale to Capitol 69kV	104	63

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for McKnight 500 kV GIS Replacement



MTEP Project ID	50940
Project Name	McKnight 500 kV GIS Replacement
Project Type	BRP
Project Description	Replace current obsolete GIS bus with an open air 500 kV bus.
System Need	NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure. Most overloads are associated with loss of sections involving McKnight to Coly 500 kV and Franklin to McKnight 500 kV lines.
Current Cost	\$59.7 M
Expected ISD	12/31/2027
Target Appendix	A

Baseline Reliability Project

Details for McKnight 500 kV GIS Replacement

The Coly - Moler 230kV and Ventress - Waterloo 230kV lines experience thermal overloads due to a series of N-1-1's. This project alleviates these issues by replacing the old McKnight GIS bus with a more readily available GIS bus.

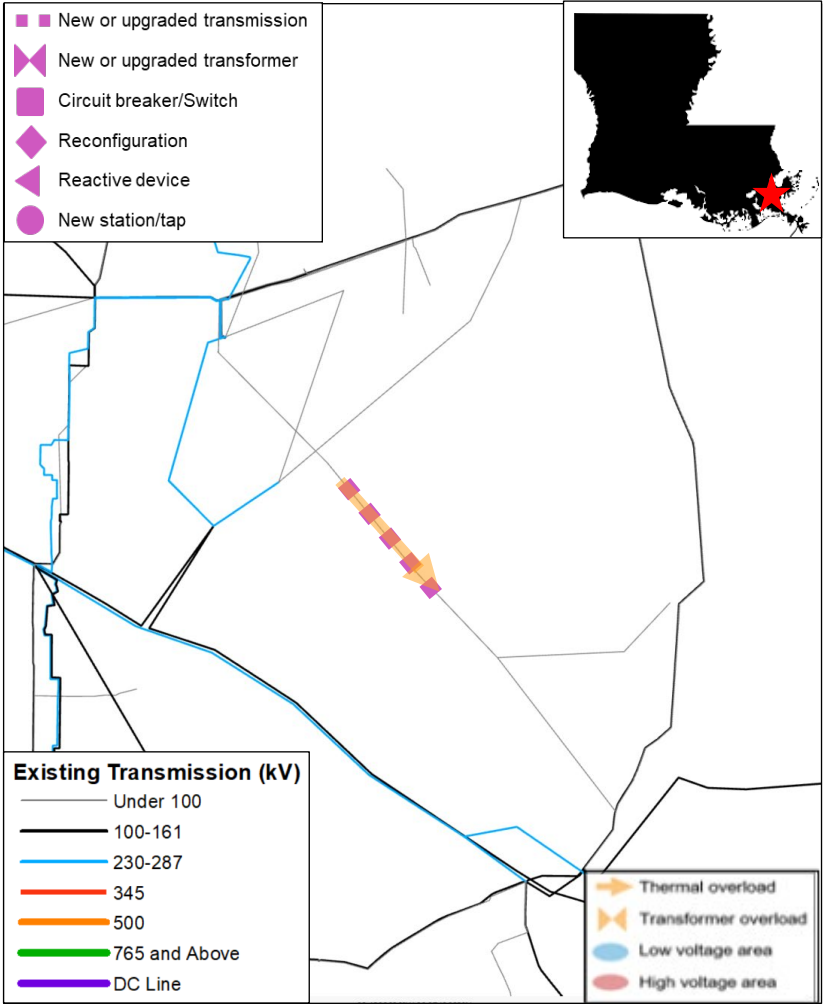
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	Coly to Moler 230kV Line	102	39
N-1-1	Ventress to Waterloo 230kV Line	100	49

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Holiday to Billeaud 69 kV Upgrade



MTEP Project ID	50942
Project Name	Holiday to Billeaud 69 kV Upgrade
Project Type	BRP
Project Description	Upgrade Holiday to Billeaud 69 kV line.
System Need	NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P2 for the loss of a 138 kV substation causes a thermal violation on the Billeaud – Holiday 69 kV line
Current Cost	\$8.0 M
Expected ISD	12/15/2030
Target Appendix	A

Baseline Reliability Project

Details for Holiday to Billeaud 69 kV Upgrade

The Billeaud – Holiday 69 kV line experiences thermal overloads after several different types of contingencies (n-1 and n-1-1). This project alleviates those issues by increasing the rating of the Billeaud – Holiday 69 kV line with a line upgrade.

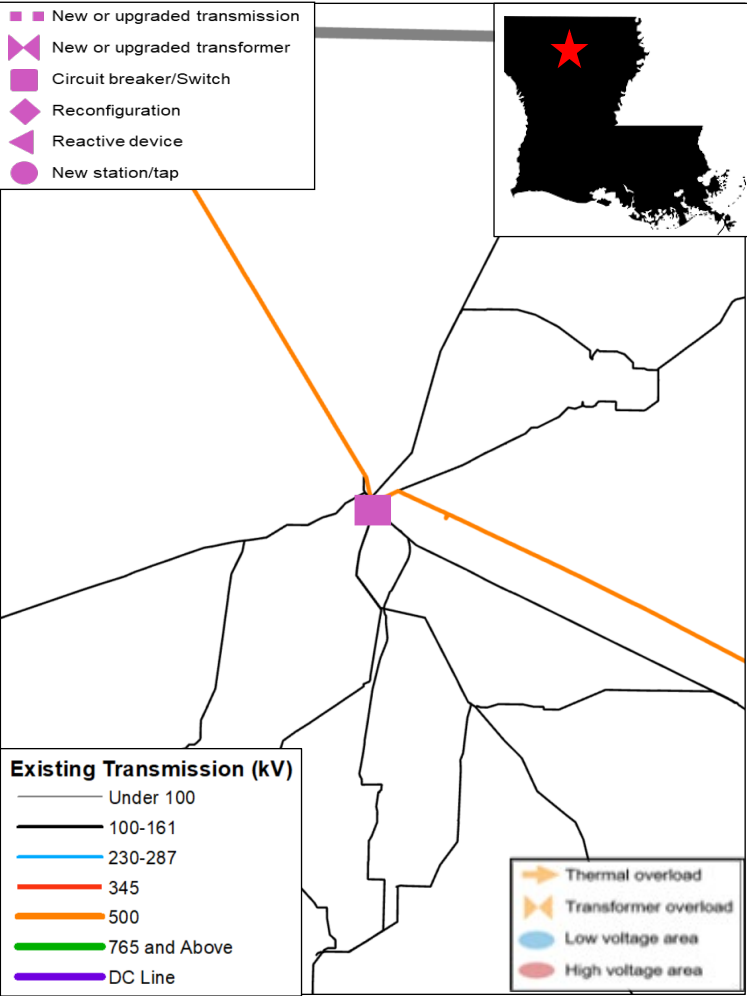
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	2BILLEAUD! to 2HOLIDAY 69kV Line	114	74
N-1-1	2BILLEAUD! to 2HOLIDAY 69kV Line	126	74

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Sterlington 500 kV GIS Replacement



MTEP Project ID	50945
Project Name	Sterlington 500 kV GIS Replacement
Project Type	BRP
Project Description	Replace the Sterlington 500 kV GIS with open air station.
System Need	NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure. - Sterlington Bus tie section of bus failure -Sterlington 500-115 kV Auto 3 FTLO Sterlington to Cargas 500 kV Ckt 1 or Cargas 500 kV Breaker Failure (Mt Olive to Cargas, Sterlington to Cargas) - Sterlington to Ouachita 500 kV bus section failure -Beaver Creek 138-115 kV Auto for a bus fault at Montgomery 230 kV (2030W) - Sterlington to Cargas 500 kV bus section failure -Walnut Grove to Sterlington 115 kV Ckt 1 or 2(2030W) for a breaker failure at Cargas (Mt Olive to Cargas, Sterlington to Cargas) -Sterlington 500-115 kV AT1 for Sterlington breaker failure (Sterlington 500-115 kV AT3, Sterlington to Cargas Ckt2 -Sterlington 500-115 kV AT2 for Sterlington Breaker failure (Sterlington 500-115 kV AT1, Sterlington 500 kV bus tie) -Sterlington to Drew 115 kV for Sterlington Breaker failure (Sterlington 500-115 kV AT1, Sterlington 500 kV bus tie) - Sterlington 500-115 kV AT2 bus failure -Minden to Sarepta for Mt Olive breaker failure (Mt Olive 500-230 kV, Mt Olive to Layfield) (2030W)
Current Cost	\$75.2 M
Expected ISD	06/01/2030
Target Appendix	A

Baseline Reliability Project

Details for Sterlington 500 kV GIS Replacement

The Minden - Sarepta and Standard - Winnfield 115kV lines experience thermal overloads due to a couple of different N-1-1's. This project alleviates these issues by replacing the old Sterlington GIS bus with an open air bus.

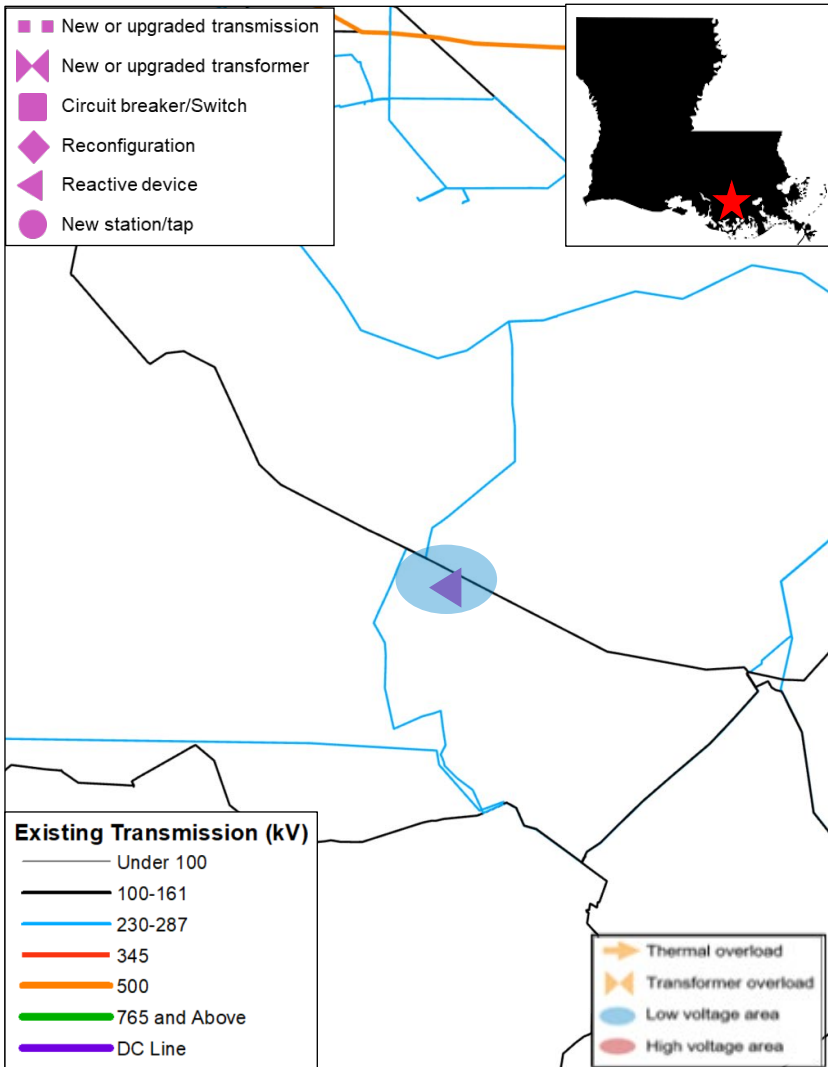
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	STANDARD to WINNFIELD 115kV Line	116	42
N-1-1	MINDEN to SAREPTA 115kV Line	103	54

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Thibodaux 230 kV Reactive Support



MTEP Project ID	50946
Project Name	Thibodaux 230 kV Reactive Support
Project Type	BRP
Project Description	Install a 61.1 MVAR Capacitor bank at Thibodaux 230 kV station
System Need	NERC TPL-001 Reliability Standards and Entergy’s Planning Guidelines. P6 causes voltage violations at J1542, Thibodaux, Schriever, and Chackbay 230 kV stations
Current Cost	\$3.8 M
Expected ISD	05/01/2029
Target Appendix	A

Baseline Reliability Project

Details for Thibodaux 230 kV Reactive Support

The J1542, Thibodaux, Schriever, and Chackbay 230 kV stations experience low voltage issues due to some N-1-1's scenarios. This project alleviates issues by adding a 61.1MVar capacitor at the Thibodaux 230kV station.

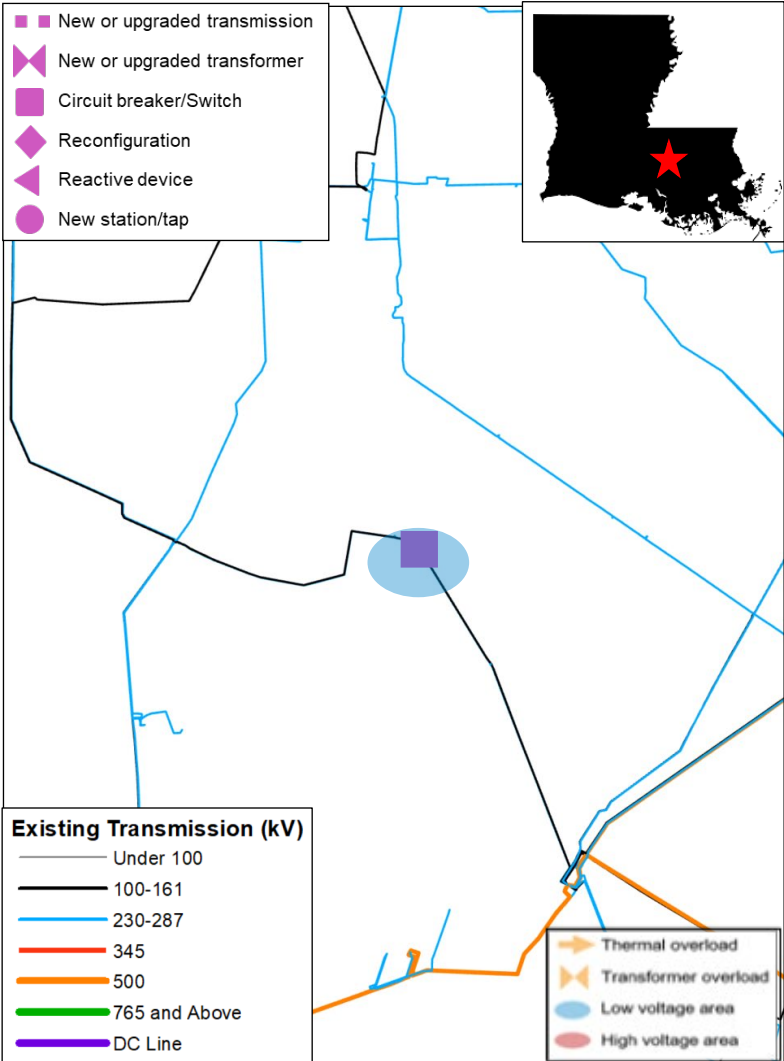
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Voltage (pU)	Post-project (post-cont.) Voltage (pU)
N-1-1	THIBODAux 230kV BUS	0.91	0.99
N-1-1	SCHRIEVER 230kV BUS	0.91	1.0
N-1-1	J1542 230kV Bus	0.91	0.99
N-1-1	Chackbay 230kV Bus	0.91	0.99

Preliminary Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Tiger 230 kV SPOF



MTEP Project ID	50947
Project Name	Tiger 230 kV SPOF
Project Type	BRP
Project Description	Install a second battery bank at Tiger 230 kV station. The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay. The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets. The DC panels cannot be wired in series or in parallel to one another.
System Need	NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P5 non-redundant bus differential relay failure on the Tiger 230 kV bus will cause thermal overloads on the Essen Tap - Westdale, Essen Tap - Tiger, Westdale - East, East - Belfair, Belfair - Northdale, Northdale - Capitol, Capitol - LA Station North, Jefferson - Drusilla, and Drusilla - Harelson 69 kV lines. Also, this contingency will cause voltage violations at the Broussard, Julia, and Beauregard 69 kV substations.
Current Cost	\$2.9 M
Expected ISD	09/14/2028
Target Appendix	A

Baseline Reliability Project

Details for Tiger 230 kV SPOF

The Essen Tap – Westdale and Essen Tap – Tiger experience thermal overloads due to a couple of N-1 scenarios. This project alleviates these issues by separating two bus relays and trip coils.

MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	ESSEN TAP to WESTDALE 69kV Line	133	26
N-1	ESSEN TAP to TIGER 69kV Line	109	54

Preliminary Recommendation: Move to Appendix A

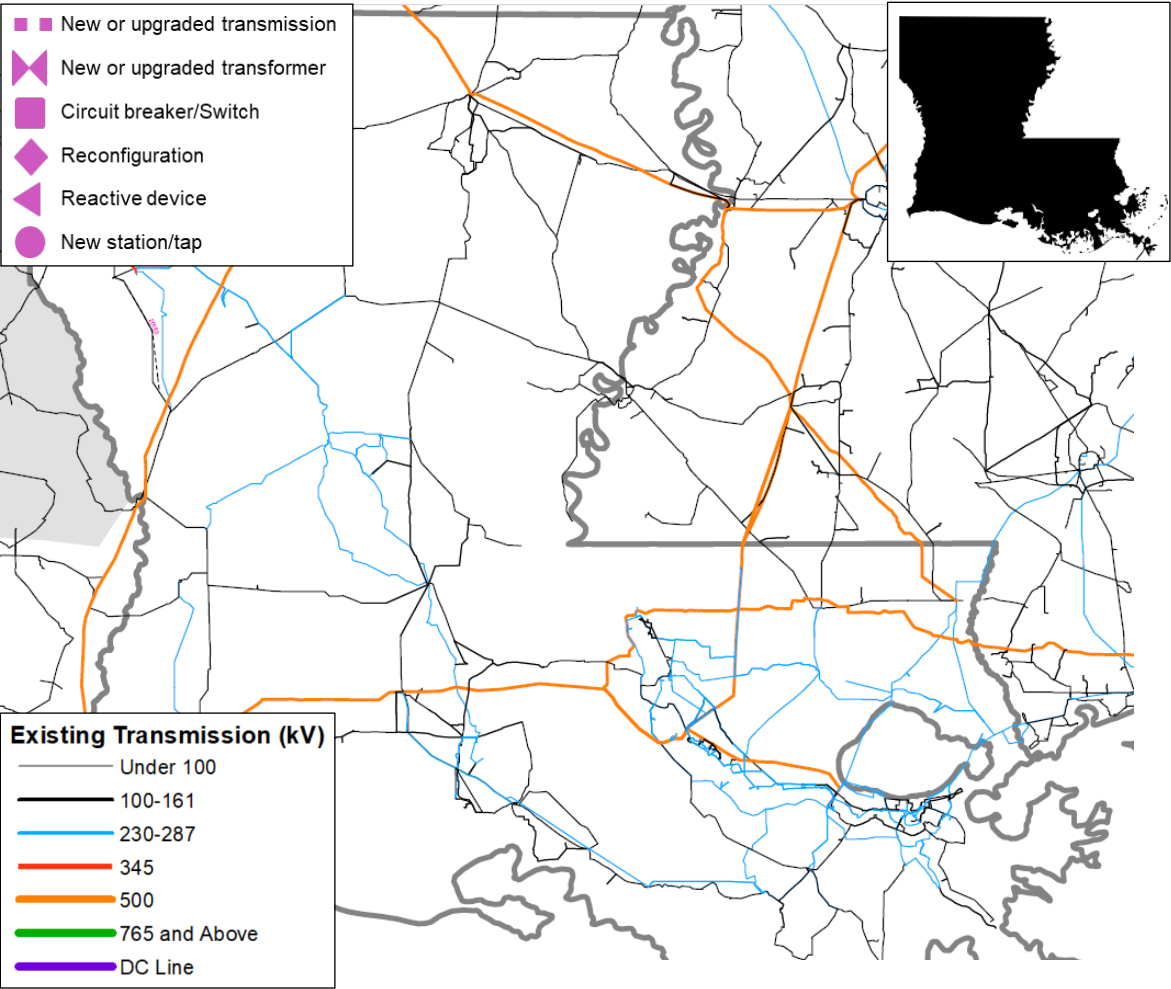
BRP Project Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost
<u>50713</u>	<u>Mount Olive to Cargas 500 kV Project and Load Addition</u>	<u>12/31/2028</u>	<u>\$270.5 M</u>
51264	El Dorado to Smalling 500 kV Project	01/01/2031	\$900 M
50934	Carlyss 230 kV SPOF	06/01/2028	\$0.7 M
50936	Carlyss 230-138 kV Autotransformer Upgrade	12/15/2030	\$19.5 M
50937	Coly 500 kV GIS Bus replacement	06/01/2029	\$75.7 M
50939	Jaguar 230 kV GIS Replacement	02/28/2029	\$37.6 M
50940	McKnight 500 kV GIS Replacement	12/31/2027	\$59.7 M
50942	Holiday to Billeaud 69 kV Upgrade	12/15/2030	\$8.0 M
50945	Sterlington 500 kV GIS Replacement	06/01/2030	\$75.2 M
50946	Thibodaux 230 kV Reactive Support	05/01/2029	\$3.8 M
50947	Tiger 230 kV SPOF	09/14/2028	\$2.9 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.

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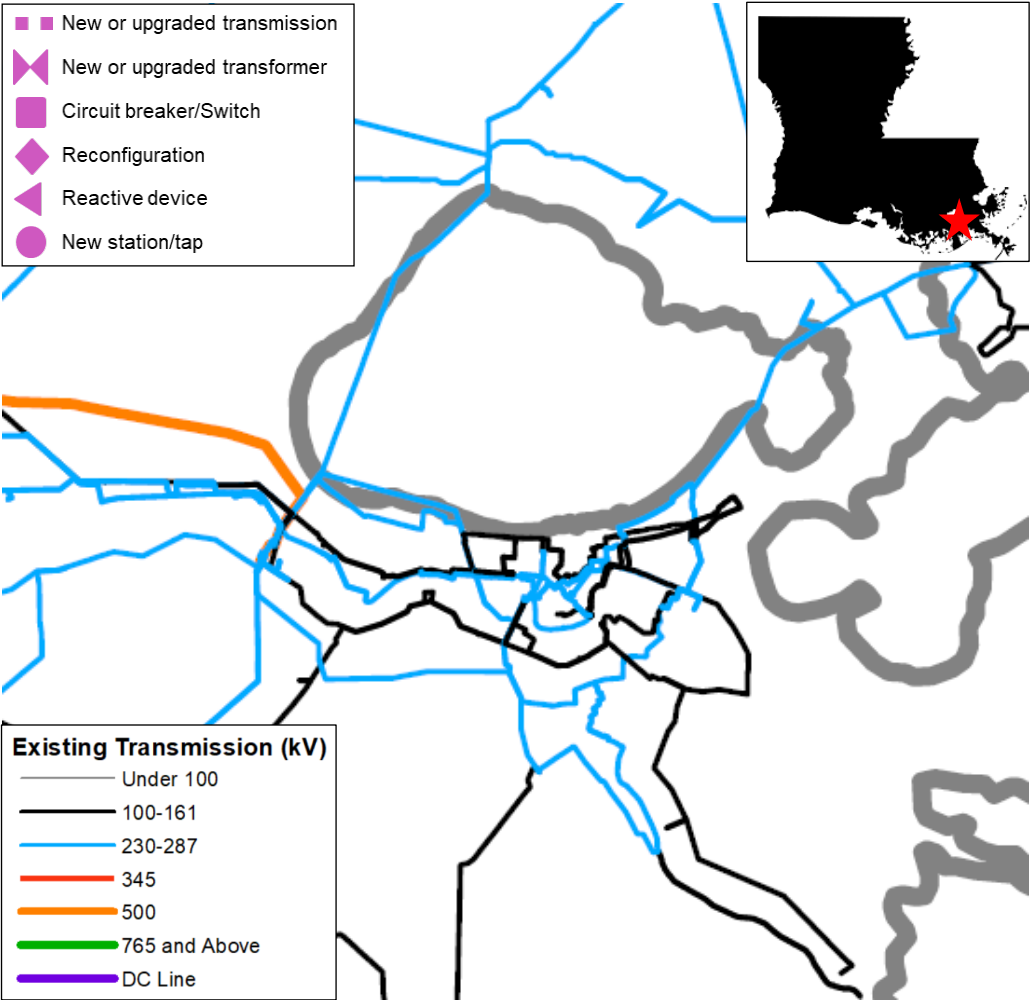
Other, Age and Condition Highlight Details for 2027 ELL Asset Renewal



MTEP Project ID	50929
Project Name	2027 ELL Asset Renewal
Project Type	Other
Other Type	Age and Condition
Project Description	This project is for the ELL Asset Renewal Program that will be executed in 2027
System Need	Address aging and failing equipment such as structures, breakers, relay panels, RTU's, arresters, circuit switchers, etc
Current Cost	\$84.0 M
Expected ISD	12/31/2027
Target Appendix	A

Other, Age and Condition Highlight

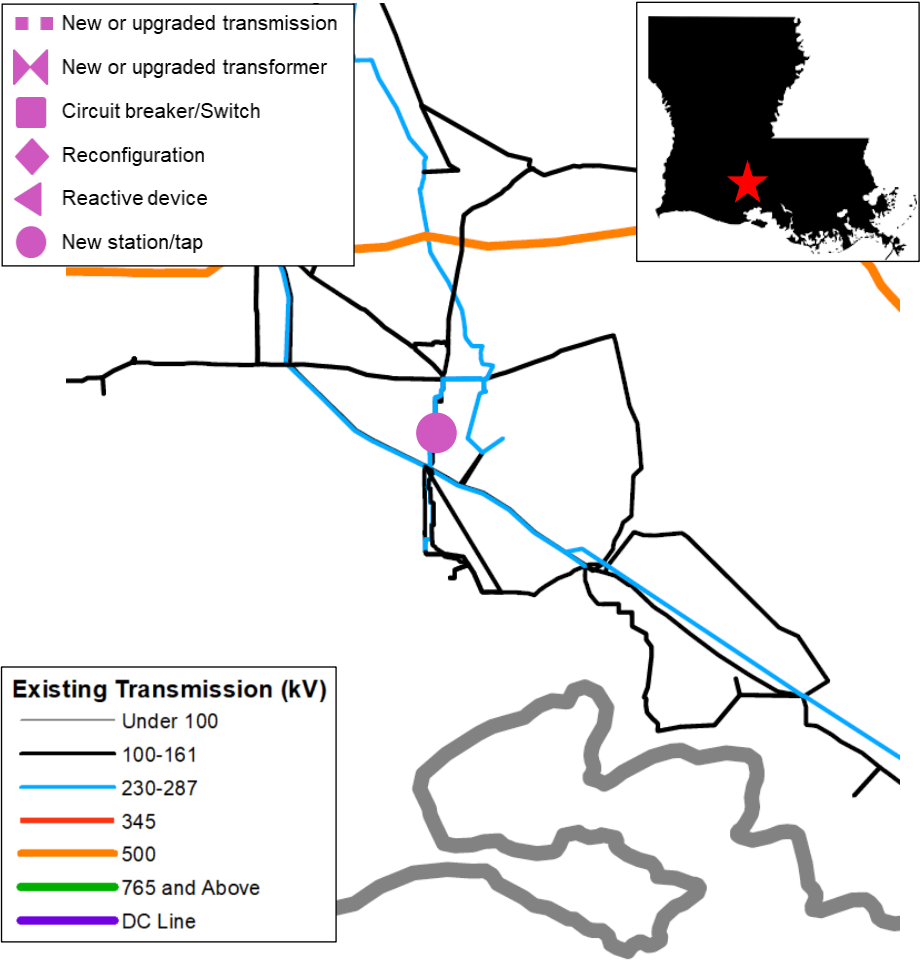
Details for 2027 Entergy New Orleans Asset Renewal



MTEP Project ID	50931
Project Name	2027 Entergy New Orleans Asset Renewal
Project Type	Other
Other Type	Age and Condition
Project Description	This project is for the ENOL Asset Renewal Program that will be executed in 2027
System Need	Address aging and failing equipment such as structures, breakers, relay panels, RTU's, arresters, circuit switchers, etc
Current Cost	\$8.3 M
Expected ISD	12/31/2027
Target Appendix	A

Other, Load Growth Highlight

Details for SLEMCO Dassas (Scott Area) 138 kV Station



MTEP Project ID	50944
Project Name	SLEMCO Dassas (Scott Area) 138 kV Station
Project Type	Other
Other Type	Load Growth
Project Description	New 138 kV substation cut into the Scott to Judice 138 kV line, including breakers.
System Need	SLEMCO has requested a new delivery point due to residential/commercial load growth near Scott, LA.
Current Cost	\$10.9 M
Expected ISD	10/15/2028
Target Appendix	A

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
<u>50740</u>	<u>Indian Bayou 230 kV Station</u>	<u>Load Growth</u>	<u>09/01/2027</u>	<u>\$68.1 M</u>
<u>50744</u>	<u>Juban Trails (DEMCO) 230 kV Station</u>	<u>Load Growth</u>	<u>09/01/2027</u>	<u>\$55.0 M</u>
<u>50779</u>	<u>Riddle 230 kV Station and Line Upgrade</u>	<u>Load Growth</u>	<u>06/01/2026</u>	<u>\$27.7 M</u>
50929	2027 ELL Asset Renewal	Age and Condition	12/31/2027	\$84.0 M
50931	2027 Entergy New Orleans Asset Renewal	Age and Condition	12/31/2027	\$8.3 M
50944	SLEMCO Dassas (Scott Area) 138 kV Station	Load Growth	10/15/2028	\$10.9 M
51262	West Fork Creek 500-230 kV Station	Load Growth	08/01/2030	\$1100.0 M
51263	West Fork Creek to St Landry 500 kV Project	Local Reliability	12/01/2031	\$1487.0 M
51301	Crown 230 kV Station - Jeff Davis Electric Co-op, Inc.	Local Needs	09/30/2026	\$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.

Unlabeled

Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
51311	DEMCO Juban Trails 500-230 kV Station	Load Growth	03/31/2029	\$0.1 M
51352	Midbend 230 kV Station	Load Growth	11/01/2026	\$28.0 M

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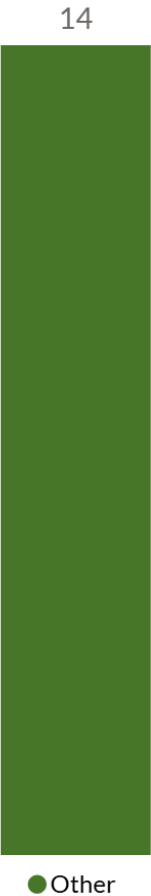
Generator Interconnection Projects (GIPs)

MTEP Project ID	Project Name	Expected ISD	Current Cost
51111	J1851 115 kV Interconnection on Beekman to Crossett North 115 kV	11/15/2026	\$5.5 M
51118	J1870 GIA Interconnection at Independence 230 kV	05/21/2028	\$11.8 M
51125	E0014 GIA at Smalling 230 kV	08/04/2028	\$14.0 M
51170	J2228 115 kV Interconnection at Red Gum 115 kV	03/15/2028	\$7.5 M
51171	J1904 138 kV Interconnection at Richard 138 kV	11/08/2028	\$7.7 M
51172	J2292 230 kV Interconnection at Goos Ferry 230 kV	09/01/2027	\$0.1 M
51173	J2302 New 500 kV Switching stationPoint of Interconnection	10/11/2027	\$64.0 M
51187	J2317 115 kV interconnection on Sterlington - Bastrop 115 kV	11/01/2027	\$13.9 M
51200	J2249 GIA at Bayou Cove 138 kV	11/14/2027	\$17.0 M
51327	E0029 GIA Interconnection at Waterford 500 kV	08/04/2028	\$17.3 M

1803 Electric Cooperative, Inc.

1803 ELECTRIC COOPERATIVE, INC.

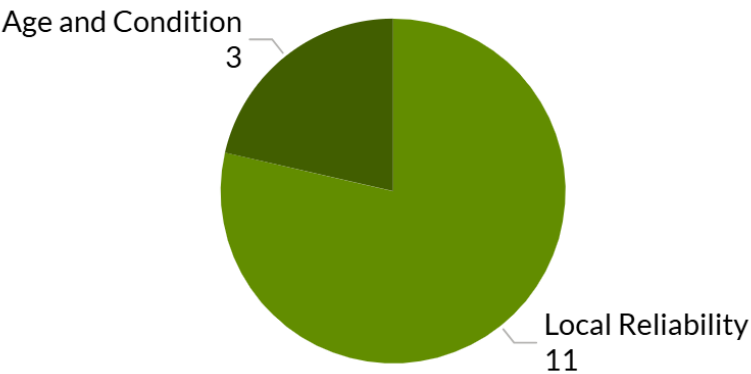
MTEP26 Projects



14
Total Projects

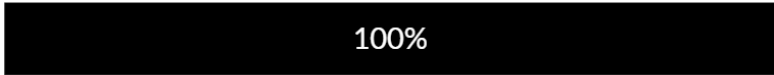
\$155M
Investment

Breakdown of Other Project Types By Project Count



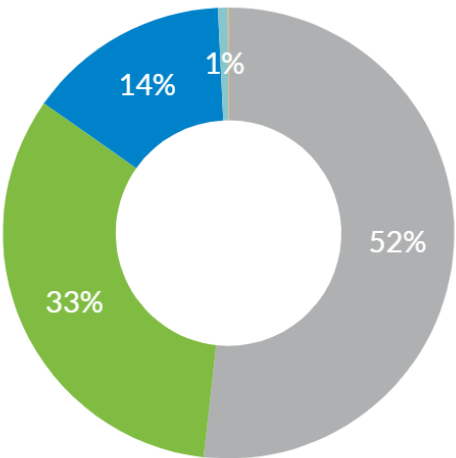
Line Miles by Voltage Level

● ≤161 kV



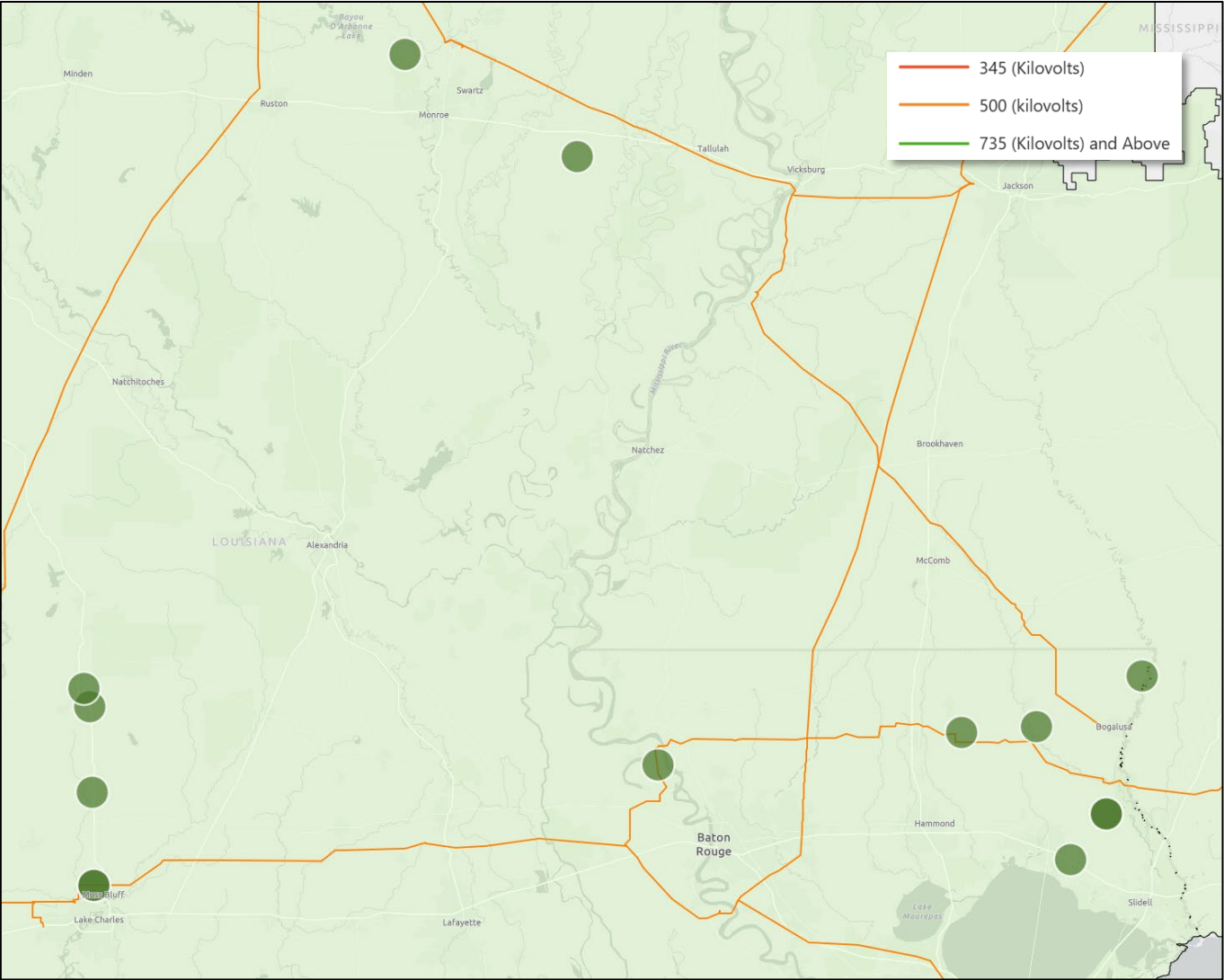
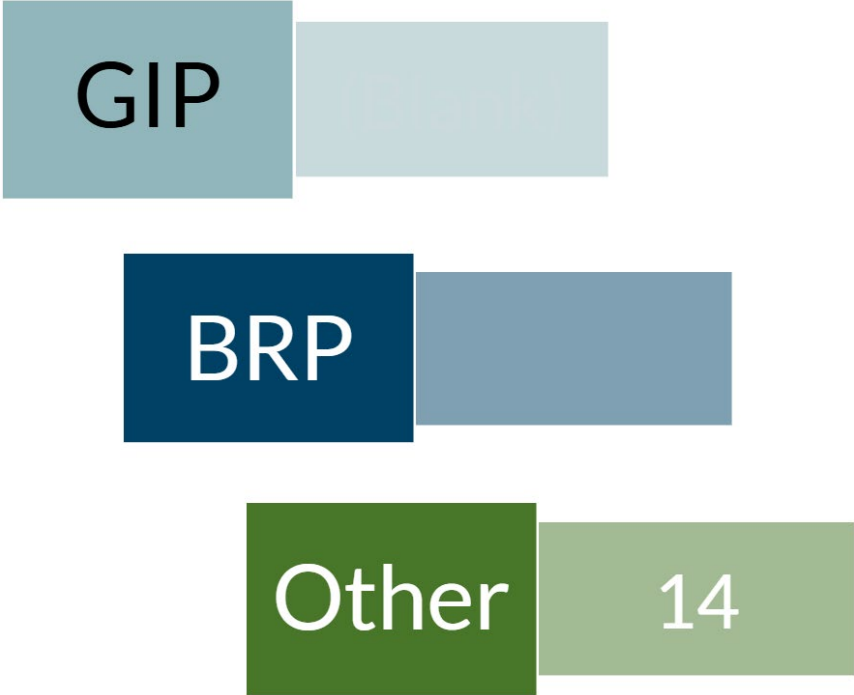
Project Facility Types As a Percentage of Cost

● Substation ● Line New ● Line Upgrade ● Transformer ● Misc.

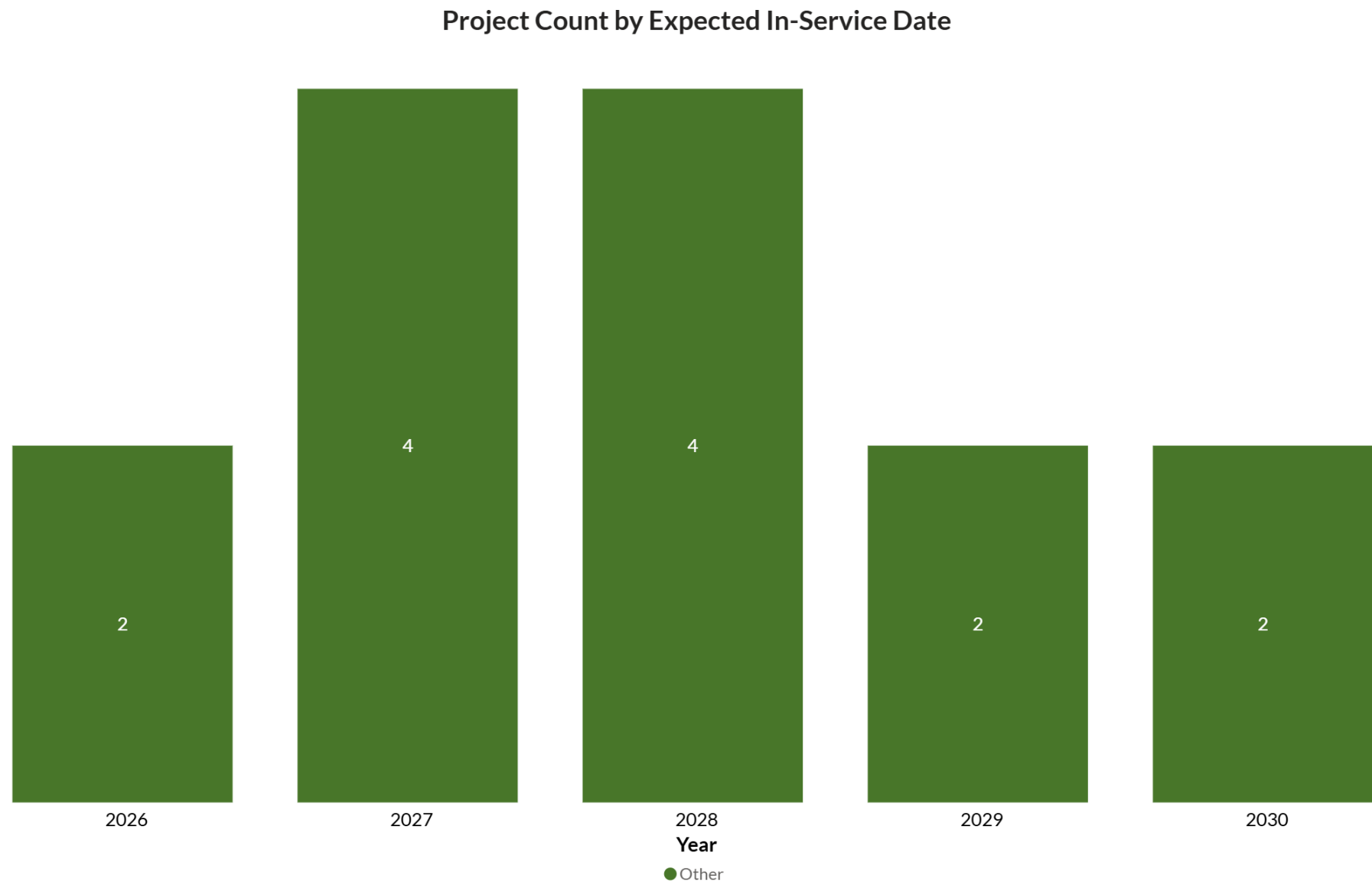


1803 MTEP26 Project Type Breakdown

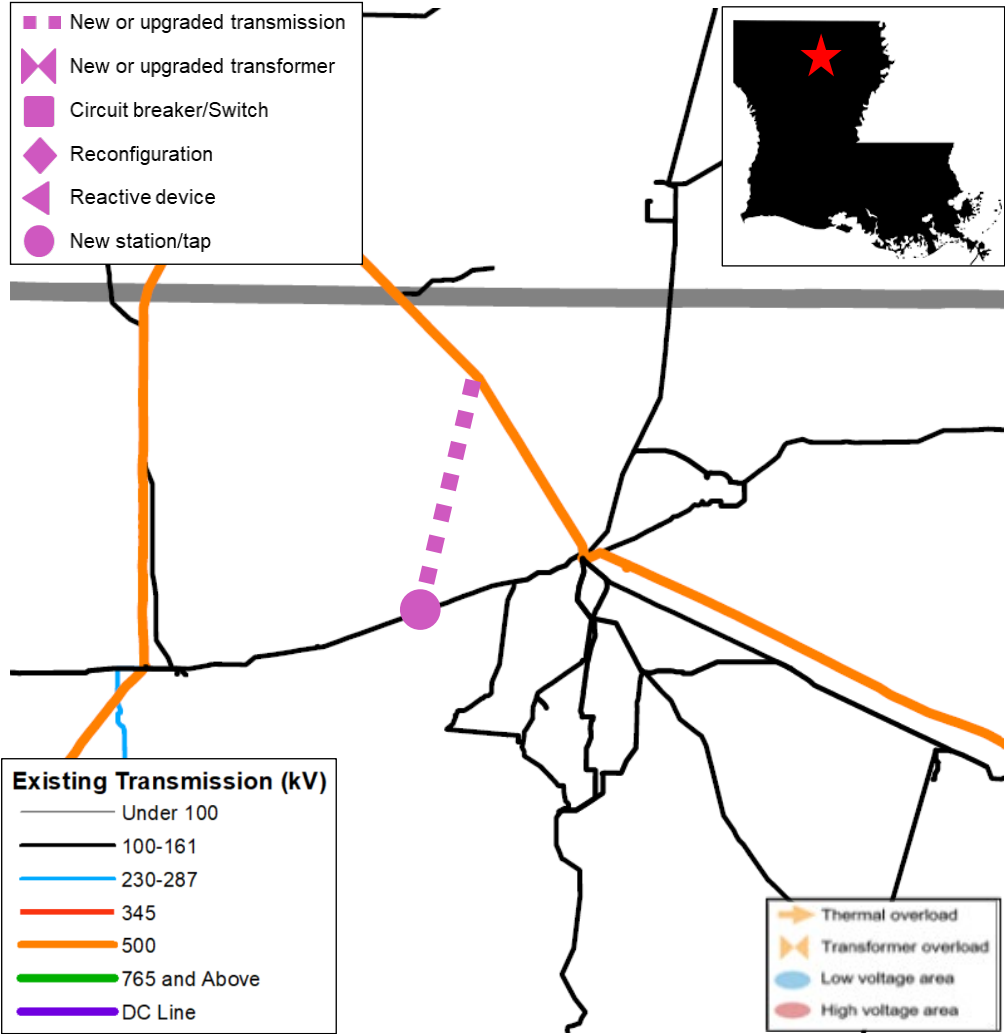
1803 ELECTRIC COOPERATIVE, INC. MTEP26 Summary



1803 MTEP26 ISD Breakdown



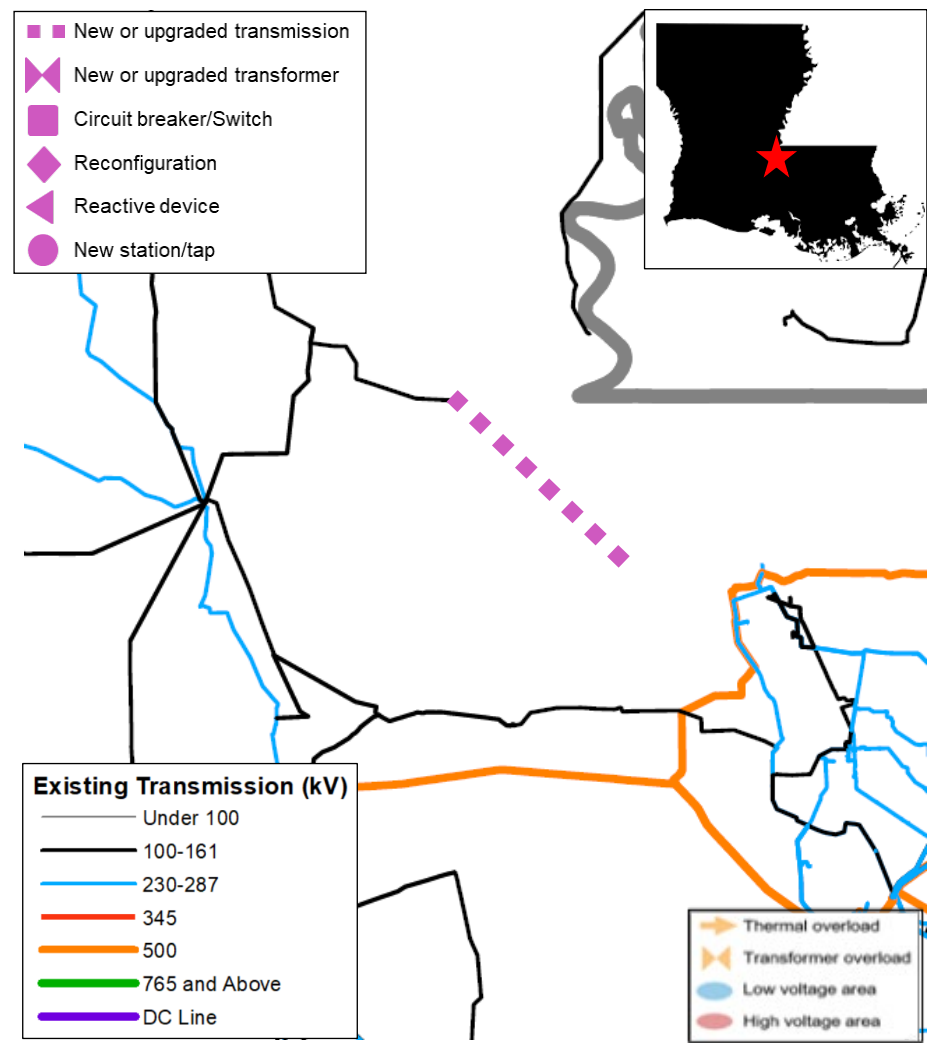
Other, Local Reliability Highlight Details for ROCKY BRANCH TO MARION 115KV LOOP



MTEP Project ID	51071
Project Name	ROCKY BRANCH TO MARION 115KV LOOP
Project Type	Other
Other Type	Local Reliability
Project Description	ENGINEER, PROCURE, AND CONSTRUCT A NEW 115KV TRANSMISSION LINE FROM THE NEW ROCKY BRANCH 115KV SWITCHING STATION TO THE EXISTING FARMERVILLE RURAL SUBSTATION. CONVERT THE EXISTING 69KV RADIAL LINE FROM FARMERVILLE CITY TO THE MARION 115/69KV SUBSTATION TO 115KV. NOTE, THIS PROJECT ASSUMES THAT CLAIBORNE'S NEW LINE SEGMENT FROM FARMERVILLE RURAL TO FARMERVILLE CITY IS CONSTRUCTED AT 115KV INSULATION.
System Need	THE AMOUNT OF LOAD ON THE ASSOCIATED RADIAL LINES EXCEED THE PERMISSIBLE MW-MI LMIIT IN THE 1803 LOCAL PLANNING CRITERIA. AN 1803/LAGT/CLAIBORNE 115KV LOOP FROM ROCKY CREEK TO MARION REDUCES THE RADIAL EXPOSURE TO THE FOLLOWING STATIONS: MARION, EAST FARMERVILLE, AND FARMERVILLE RURAL.
Current Cost	\$51.6 M
Expected ISD	06/01/2030
Target Appendix	A

Other, Local Reliability Highlight

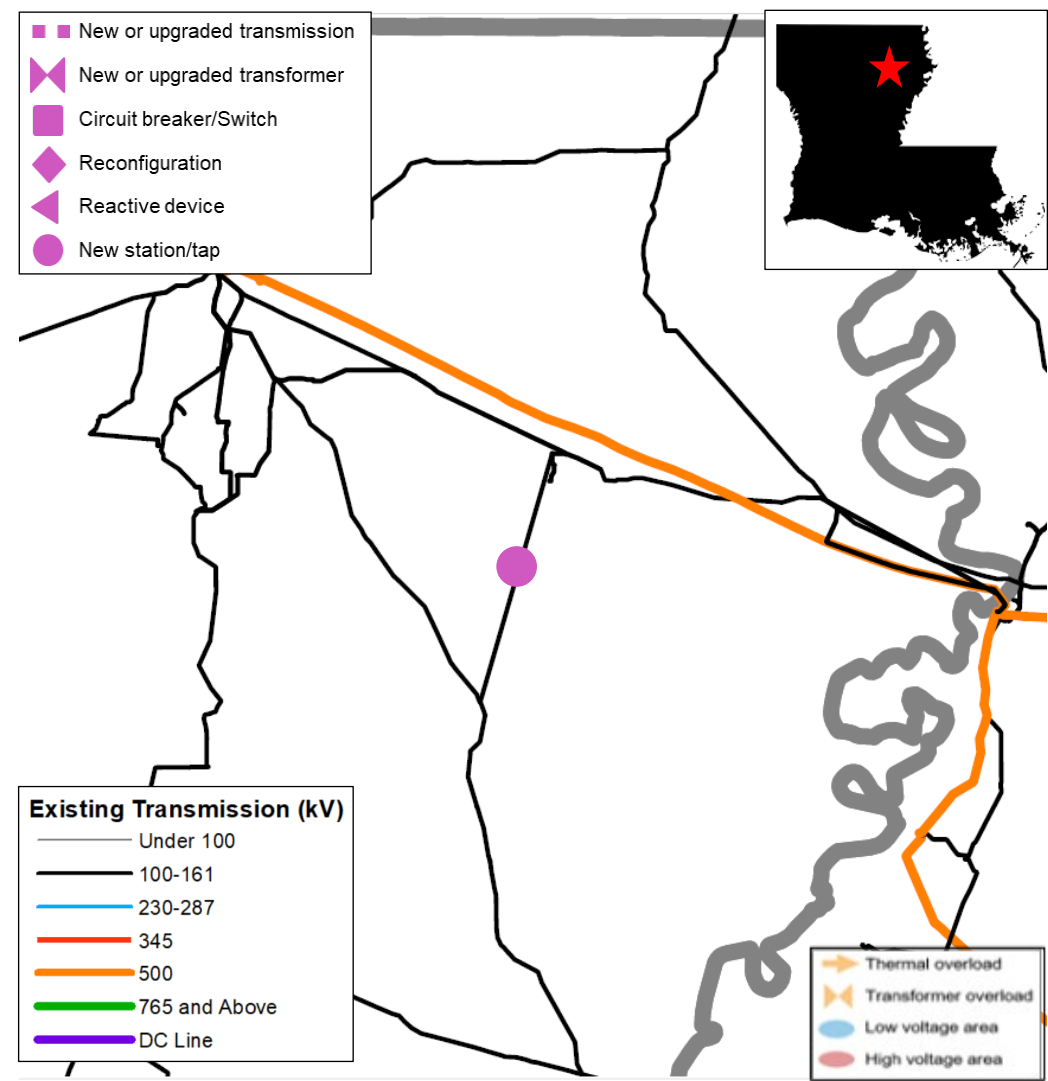
Details for 1803/LAGT WATERLOO TO CLECO YELLOW BAYOU TRANSMISSION LOOP



MTEP Project ID	51073
Project Name	1803/LAGT WATERLOO TO CLECO YELLOW BAYOU TRANSMISSION LOOP
Project Type	Other
Other Type	Local Reliability
Project Description	ENGINEER, PROCURE, AND CONSTRUCT A NEW 138KV TRANSMISSION LINE FROM THE NEW 1803/LAGT QUINTON 138/69KV SUBSTATION TO THE EXISTING CLECO YELLOW BAYOU SUBSTATION.
System Need	THE AMOUNT OF LOAD ON THE ASSOCIATED RADIAL LINES EXCEED THE PERMISSIBLE MW-MI LMIIT IN THE 1803 LOCAL PLANNING CRITERIA. AN 1803/LAGT/PCE WATERLOO TO CLECO YELLOW BAYOU LOOP REDUCES THE RADIAL EXPOSURE TO: NEW ROADS, MORGANZA, NANYA, QUINTON, AND SIMMESPORT.
Current Cost	\$47.5 M
Expected ISD	06/01/2030
Target Appendix	A

Other, Local Reliability Highlight

Details for 1803/LAGT/NELPCO PINEY WOODS SUBSTATION



MTEP Project ID	51080
Project Name	1803/LAGT/NELPCO PINEY WOODS SUBSTATION
Project Type	Other
Other Type	Local Reliability
Project Description	ENGINEER, PROCURE, AND CONSTRUCT THE 115KV HIGH SIDE OF A NEW NELPCO 115KV METERING POINT ON THE EXISTING ENTERGY BAYOU MACON TO WINNSBORO 115KV LINE.
System Need	THIS PROJECT REDUCES THE LOADING OF THE 1803/LAGT/NELPCO ARCHIBALD AND DELHI MEDIUM VOLTAGE METERING POINTS THAT ARE CURRENTLY AT CAPACITY.
Current Cost	\$5.1 M
Expected ISD	06/01/2029
Target Appendix	A

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
<u>50746</u>	<u>1803 - 2025 Age and Condition Program</u>	<u>Age and Condition</u>	<u>12/31/2026</u>	<u>\$0.7 M</u>
<u>51058</u>	<u>1803 - 2026 Age and Condition Program</u>	<u>Age and Condition</u>	<u>12/31/2026</u>	<u>\$6.1 M</u>
<u>51059</u>	<u>1803 - 2027 Age and Condition Program</u>	<u>Age and Condition</u>	<u>12/31/2027</u>	<u>\$9.8 M</u>
<u>51063</u>	<u>ANGIE 230/69KV SUBSTATION - 230KV LINE BREAKER ADDITIONS</u>	<u>Local Reliability</u>	<u>12/31/2027</u>	<u>\$1.9 M</u>
<u>51064</u>	<u>HOLTON 115/69KV SUBSTATION - 115KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION</u>	<u>Local Reliability</u>	<u>06/01/2028</u>	<u>\$2.9 M</u>
<u>51065</u>	<u>TALISHEEK 230KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION</u>	<u>Local Reliability</u>	<u>06/01/2029</u>	<u>\$4.6 M</u>
51066	MOSS BLUFF TO LONGVILLE 69KV LOOP	Local Reliability	12/31/2027	\$0.7 M
51067	LONGVILLE TO DERIDDER 69KV LOOP	Local Reliability	12/31/2027	\$0.9 M
51068	DERIDDER TO EAST LEESVILLE 69KV LOOP	Local Reliability	06/01/2028	\$1.4 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.

Unlabeled

Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
51069	DERIDDER TO LUDINGTON 69KV REBUILD	Local Reliability	06/01/2028	\$5.2 M
<u>51070</u>	<u>EAST MANDEVILLE 230/69KV SUBSTATION</u>	<u>Local Reliability</u>	<u>12/01/2028</u>	<u>\$16.9 M</u>
51071	ROCKY BRANCH TO MARION 115KV LOOP	Local Reliability	06/01/2030	\$51.6 M
51073	1803/LAGT WATERLOO TO CLECO YELLOW BAYOU TRANSMISSION LOOP	Local Reliability	06/01/2030	\$47.5 M
51080	1803/LAGT/NELPCO PINEY WOODS SUBSTATION	Local Reliability	06/01/2029	\$5.1 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.

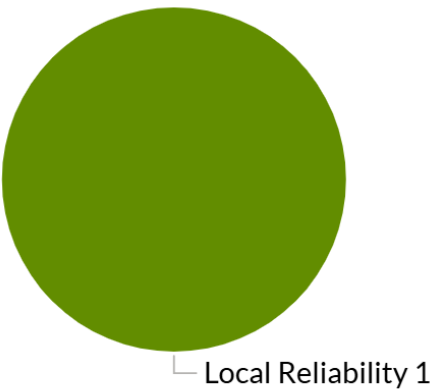
CLECO Power, LLC

CLECO POWER LLC

MTEP26 Projects



Breakdown of Other Project Types By Project Count



Line Miles by Voltage Level

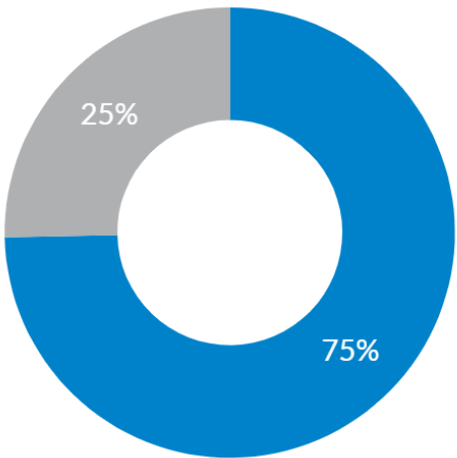
● 230 kV



Project Facility Types

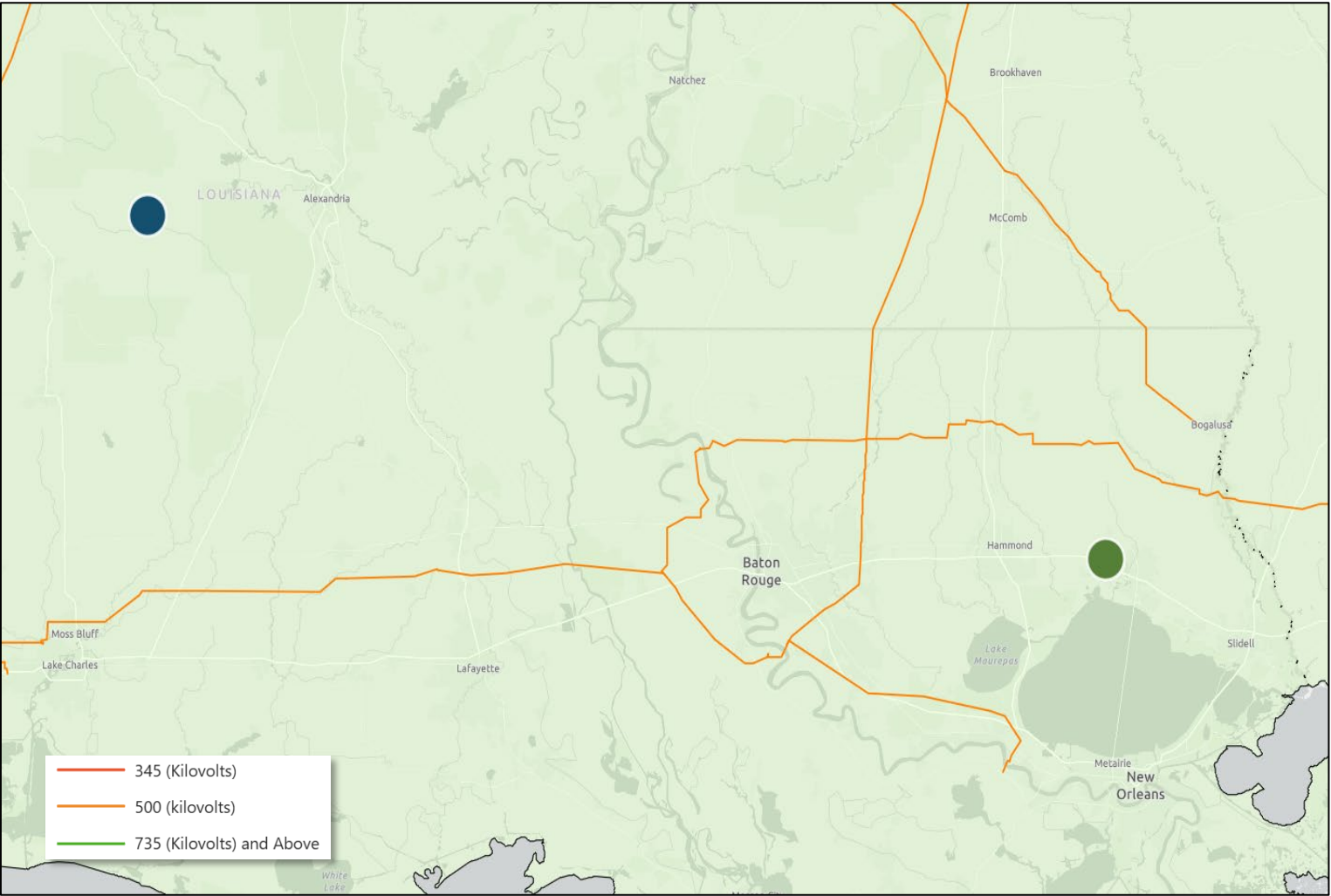
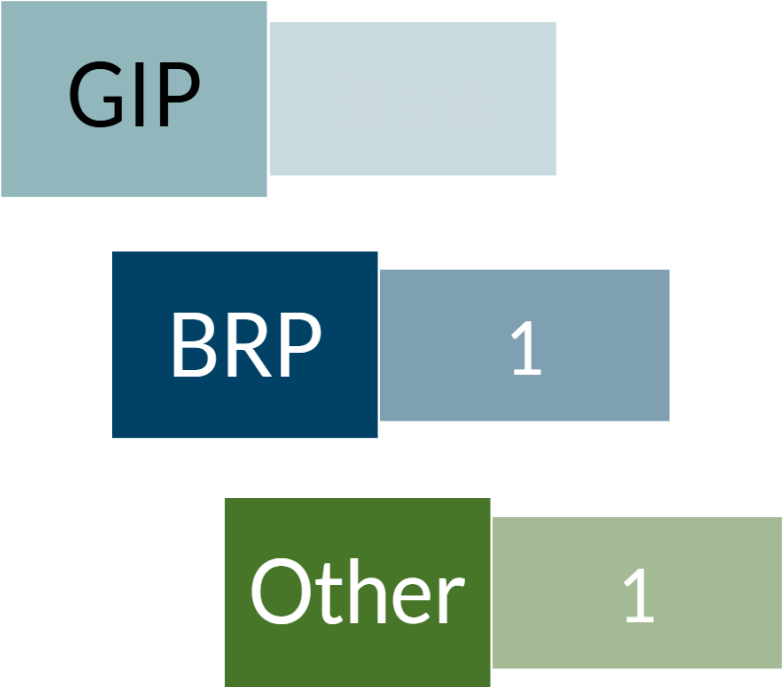
As a Percentage of Cost

● Line Upgrade ● Substation

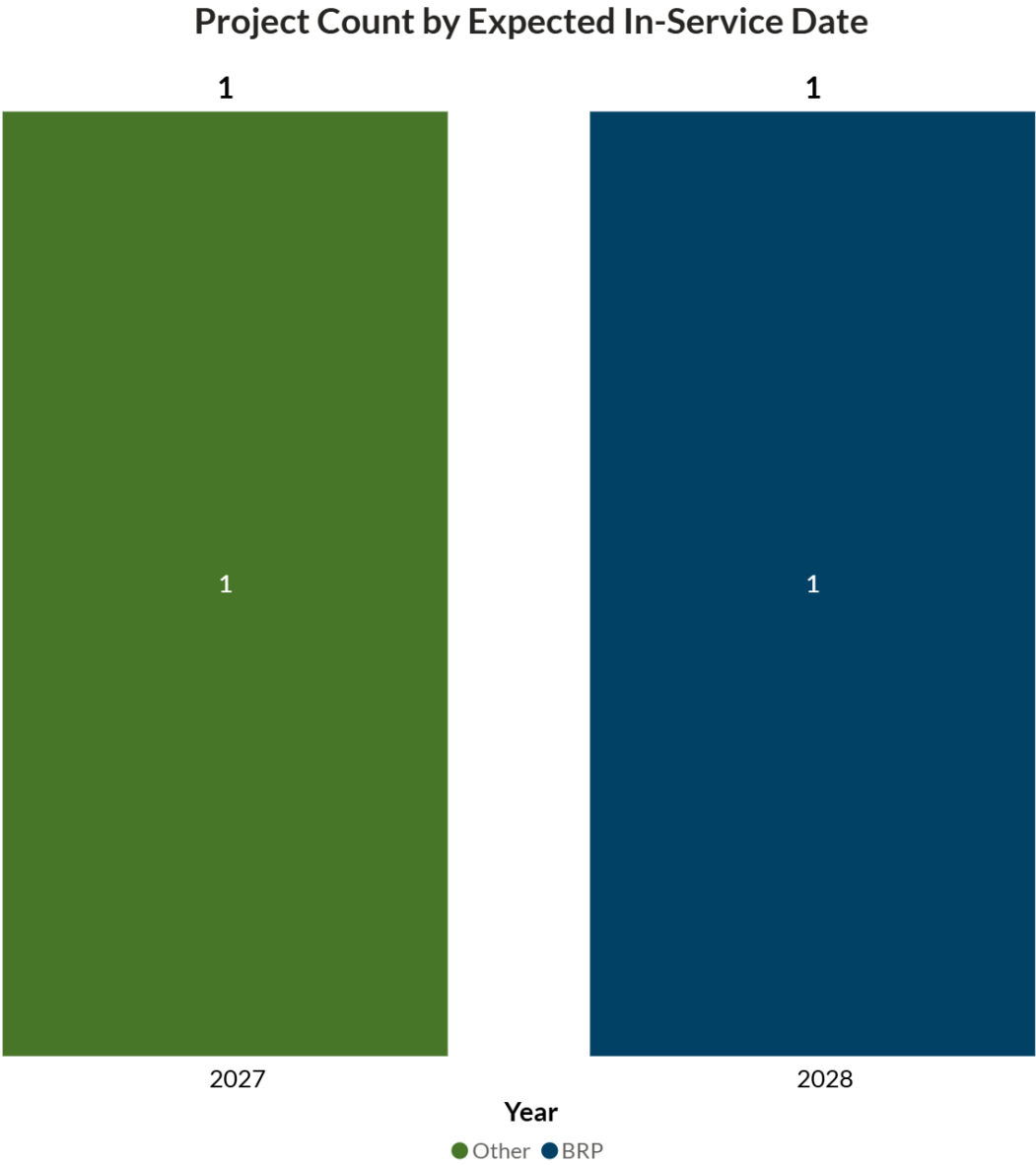


CLEC MTEP26 Project Type Breakdown

CLECO POWER LLC MTEP26 Summary

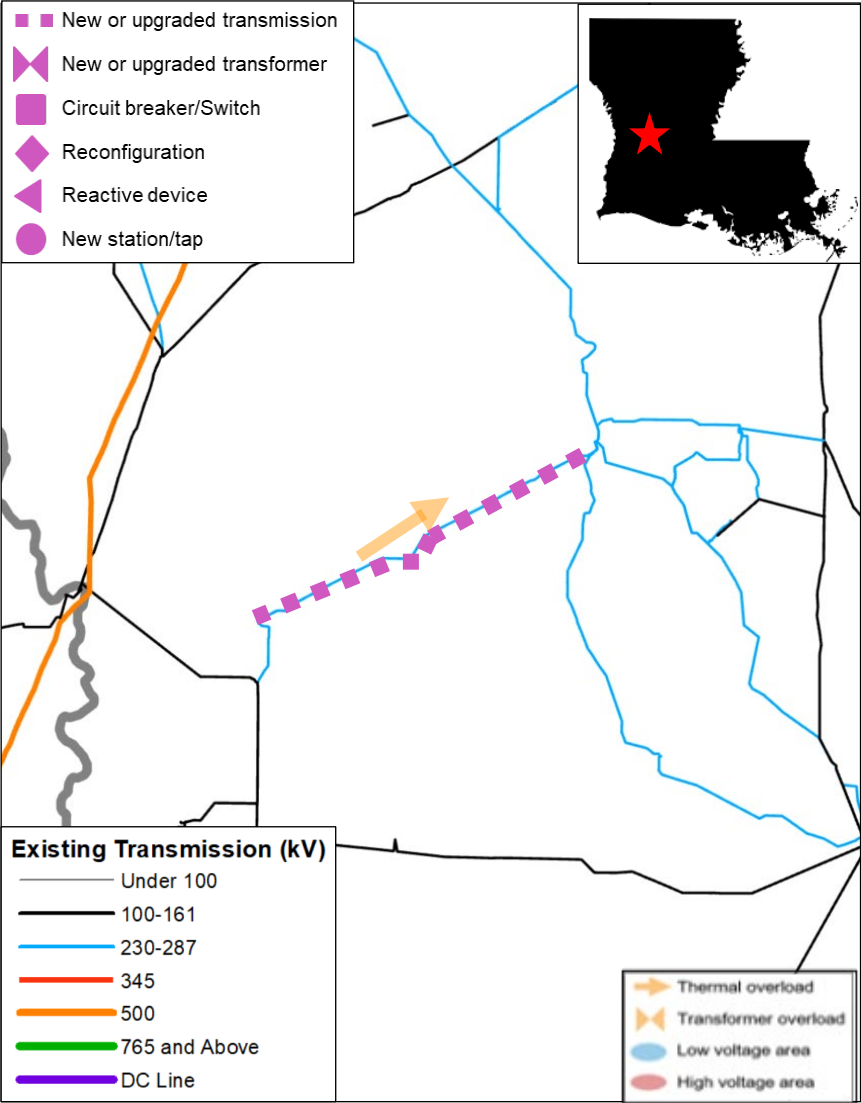


CLEC MTEP26 ISD Breakdown



Baseline Reliability Project

Details for Rebuild Rodemacher to East Leesville



MTEP Project ID	51182
Project Name	Rebuild Rodemacher to East Leesville
Project Type	BRP
Project Description	Reconductor Rodemacher to East Leesville to increase the line rating to above 800 MVA.
System Need	2025 MISO Deliverability study showed this line overloaded and requested mitigation.
Current Cost	\$87.2 M
Expected ISD	12/01/2028
Target Appendix	A

Baseline Reliability Project

Details for Rebuild Rodemacher to East Leesville

- The East Leesville to Rodemacher 230kV Line experiences thermal overloads due to several different types of contingencies (N-1 and N-1-1). This projects alleviates these issues but increasing the rating of the line with a line upgrade.

MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	EAST LEESVILLE to RODEMACHER 230 kV Line	137	80
N-1-1	EAST LEESVILLE to RODEMACHER 230 kV Line	135	80

Preliminary Recommendation: Move to Appendix A

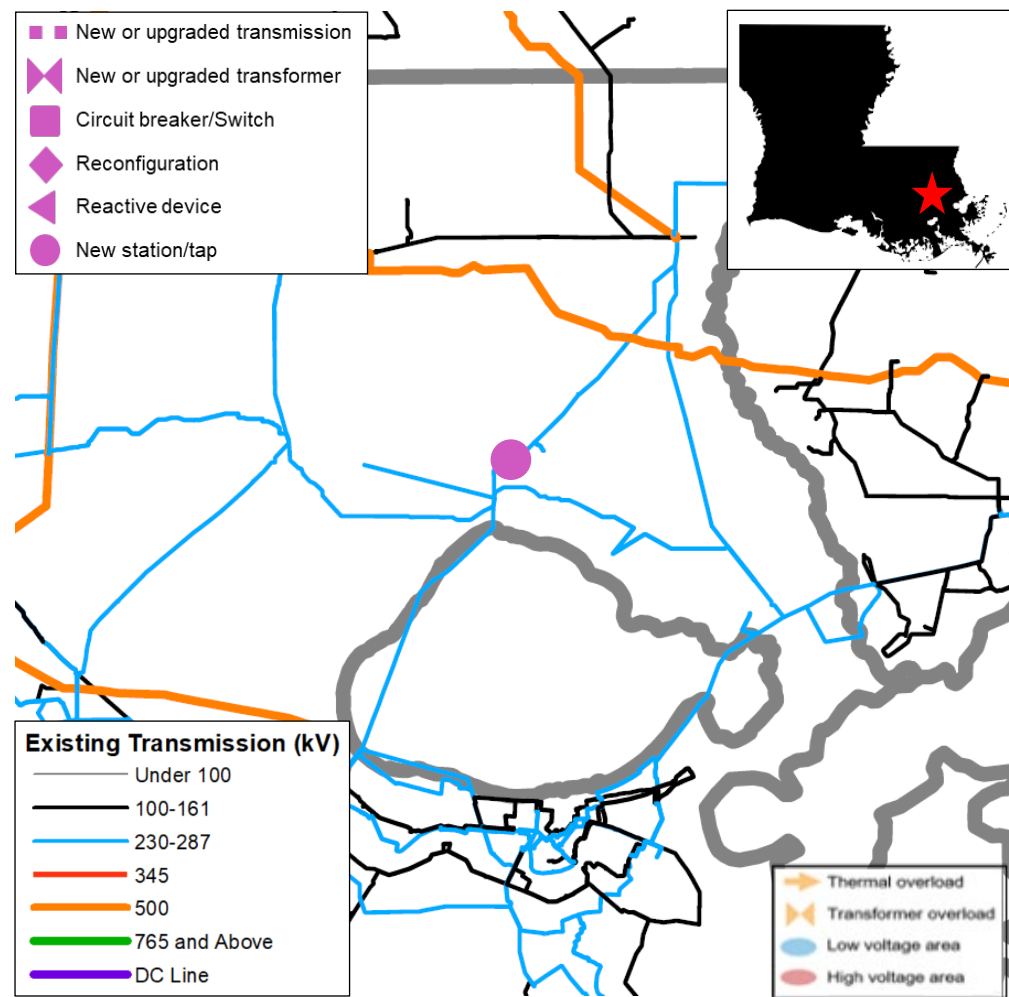
BRP Project Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost
51182	Rebuild Rodemacher to East Leesville	12/01/2028	\$87.2 M

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Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Other, Local Reliability Highlight

Details for West Covington Substation



MTEP Project ID	51256
Project Name	West Covington Substation
Project Type	Other
Other Type	Local Reliability
Project Description	Add West Covington substation at Madisonville - Ramsey 230kV line tap 3.83 miles from Madisonville substation.
System Need	New West Covington substation will allow Cleco to fully backup the distribution circuits in the area and increase available capacity.
Current Cost	\$29.6 M
Expected ISD	06/01/2027
Target Appendix	A

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
51256	West Covington Substation	Local Reliability	06/01/2027	\$29.6 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.

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Questions?



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