



MTEP26 Project Information

Michigan Electric Transmission Company (METC)

3rd East Subregional Planning Meeting

Thursday, September 3, 2026

Purpose & Key Takeaway



Purpose

Review and discuss recommended MTEP26 projects

Key Takeaways

- The [MTEP Portal](#) was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

Michigan Electric Transmission Company (METC) East Region Overview

*Snapshot of MTEP26 Appendix A
projects recommended for Board
approval*



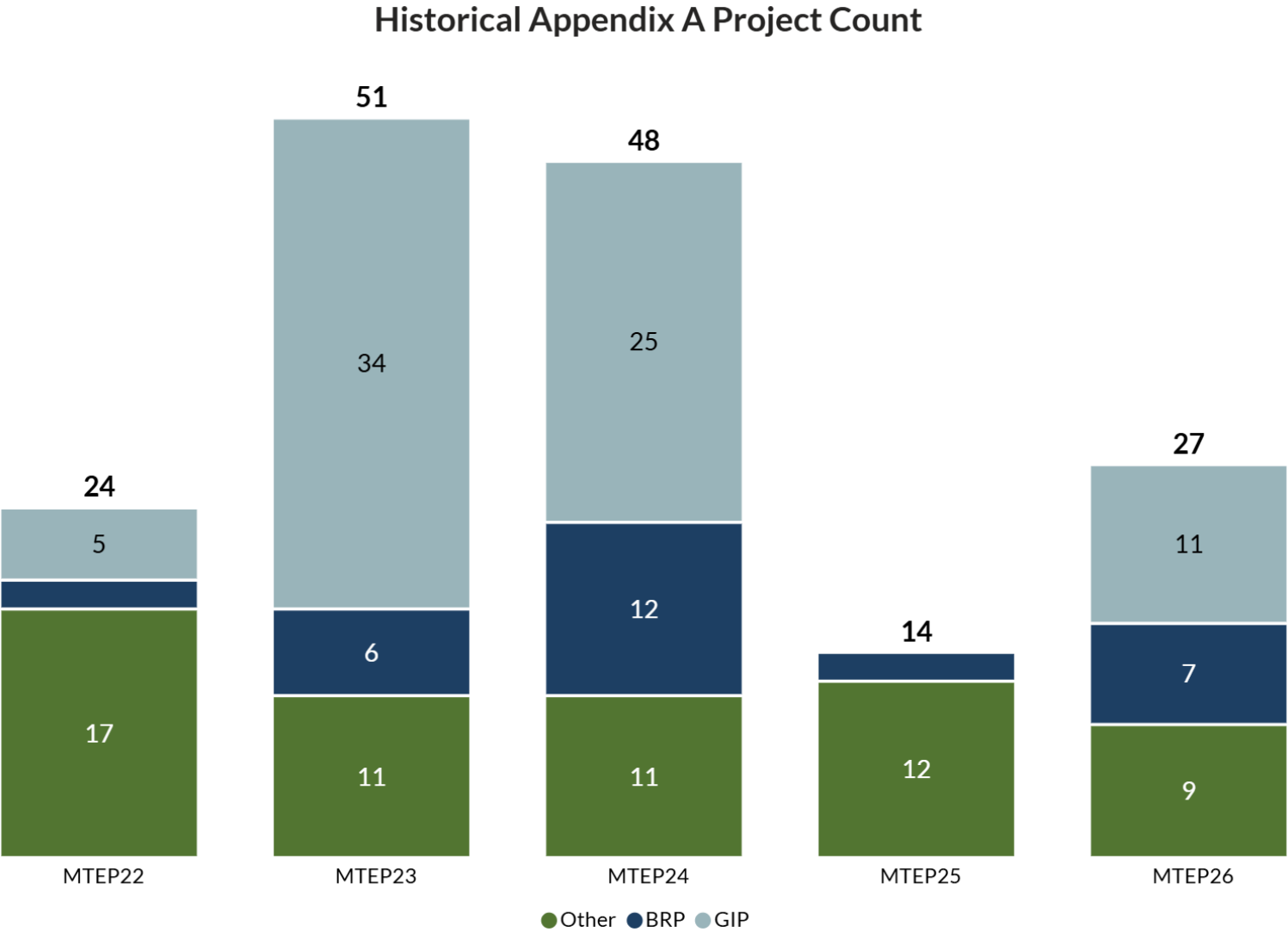
The details of the Michigan Electric Transmission Company (METC) projects and their costs are shown below:

- 27 submitted projects at an estimated cost of \$505 million

Update on Current Cycle Projects since SPM2

MTEP Project ID	Project Name	Project Type	Project Change
50595	Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - TOIF	GIP	Project ISD changed from 1/30/2026 to 7/13/2026, Project cost increased from \$0.9M to \$1.3M
50596	Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - Network Upgrades	GIP	Project cost increased from \$15.8M to \$27.8M
50896	Remediate Sag on Chopin - White Rd - Aphis 138 kV	BRP	Project ISD changed from 12/31/2030 to 6/1/2027
51017	Rebuild Cornell - Tihart 138 kV line	Other – Age and Condition	Project cost increased from \$38.4M to \$41.2M
51054	Raise Sag on Lemoyne - Driftwood 345 kV line	BRP	Project withdrawn
51183	Upgrade Sag on Aphis-Meyer 138 kV line	BRP	Project ISD changed from 12/31/2030 to 8/1/2027

Michigan Electric Transmission Company (METC) Historical Appendix A data, including submitted MTEP26



METC

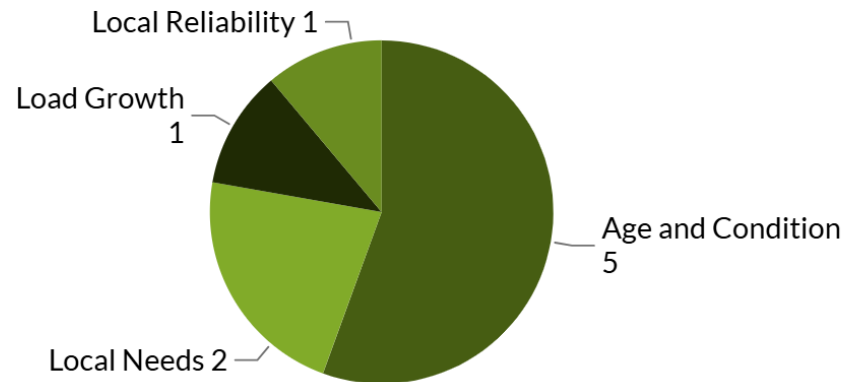
MTEP26 Projects

27
Total Projects

\$505M
Investment

Breakdown of Other Project Types

By Project Count



Other BRP GIP

Line Miles by Voltage Level

● ≤161 kV ● 345 kV

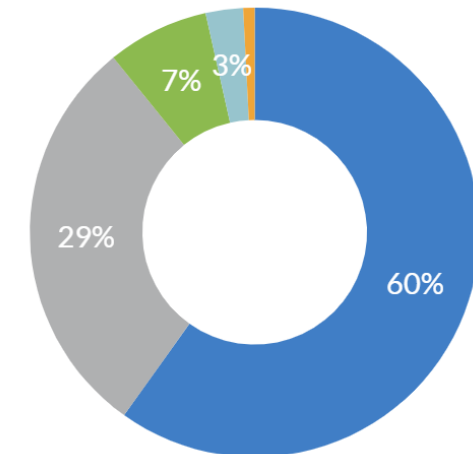
91%

9%

Project Facility Types

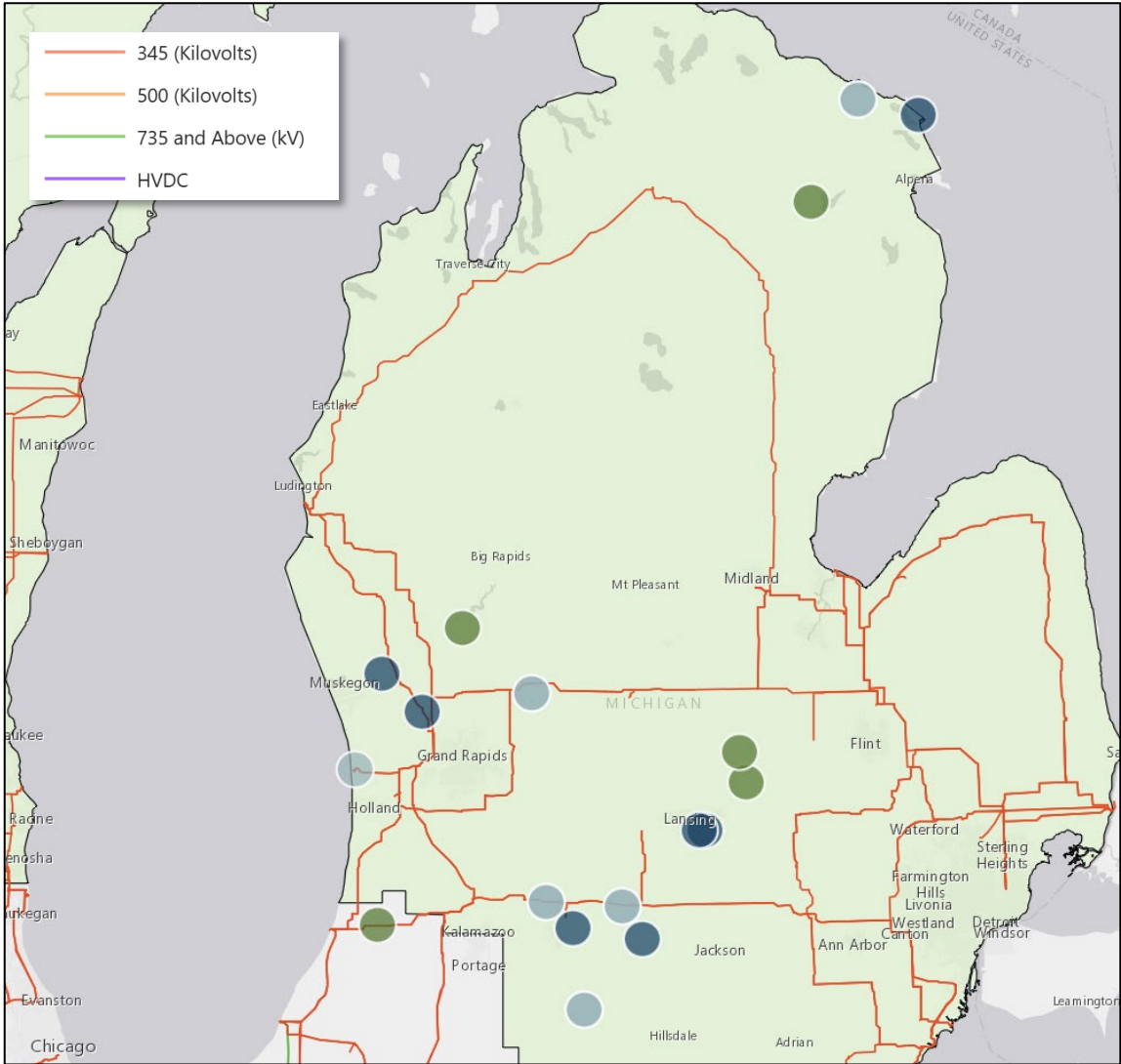
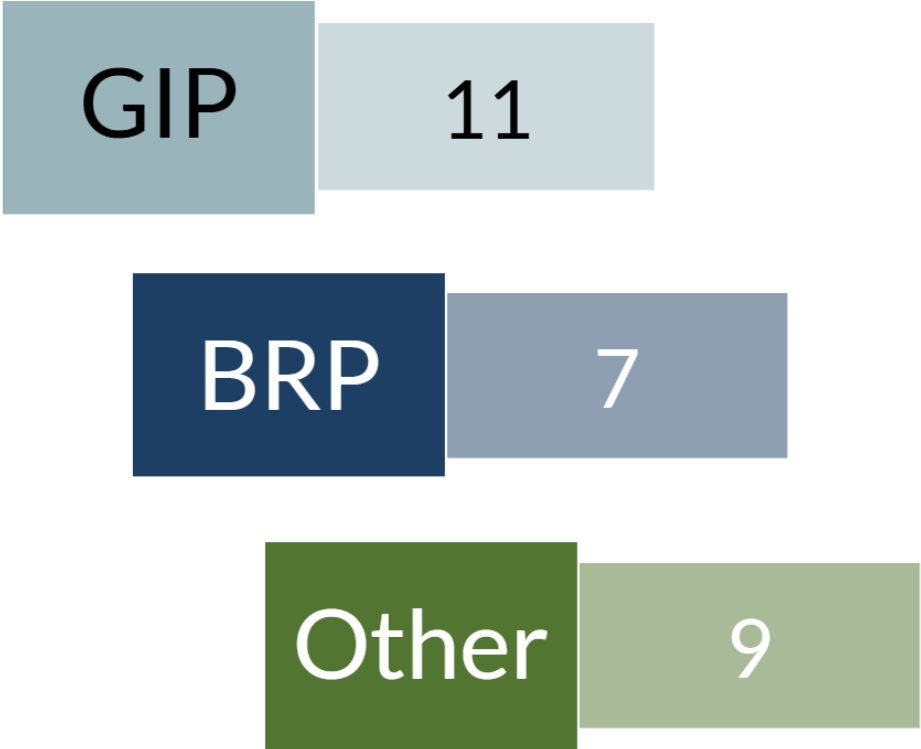
As a Percentage of Cost

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

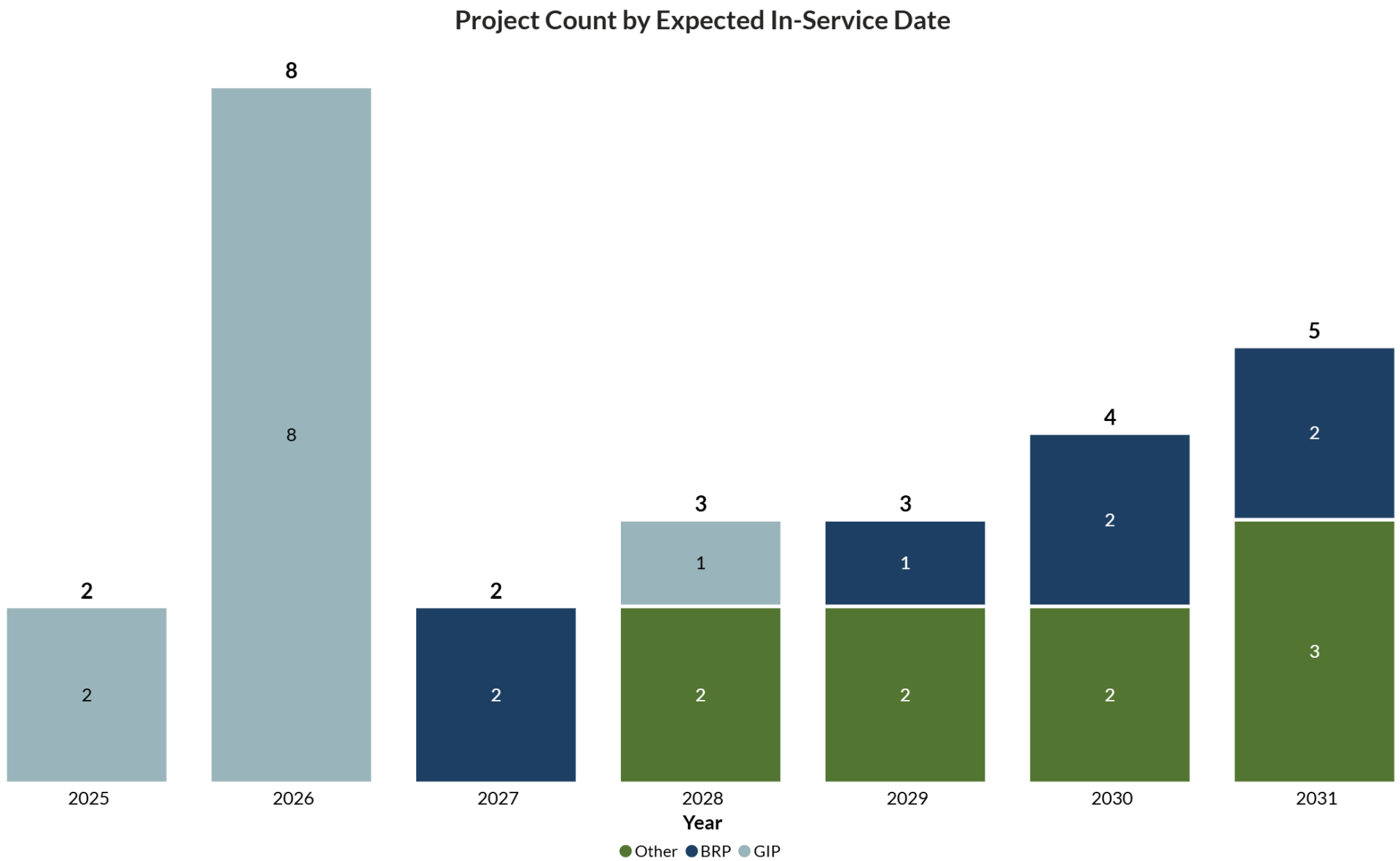


Michigan Electric Transmission Company (METC) Project Type Breakdown

METC
MTEP26 Summary

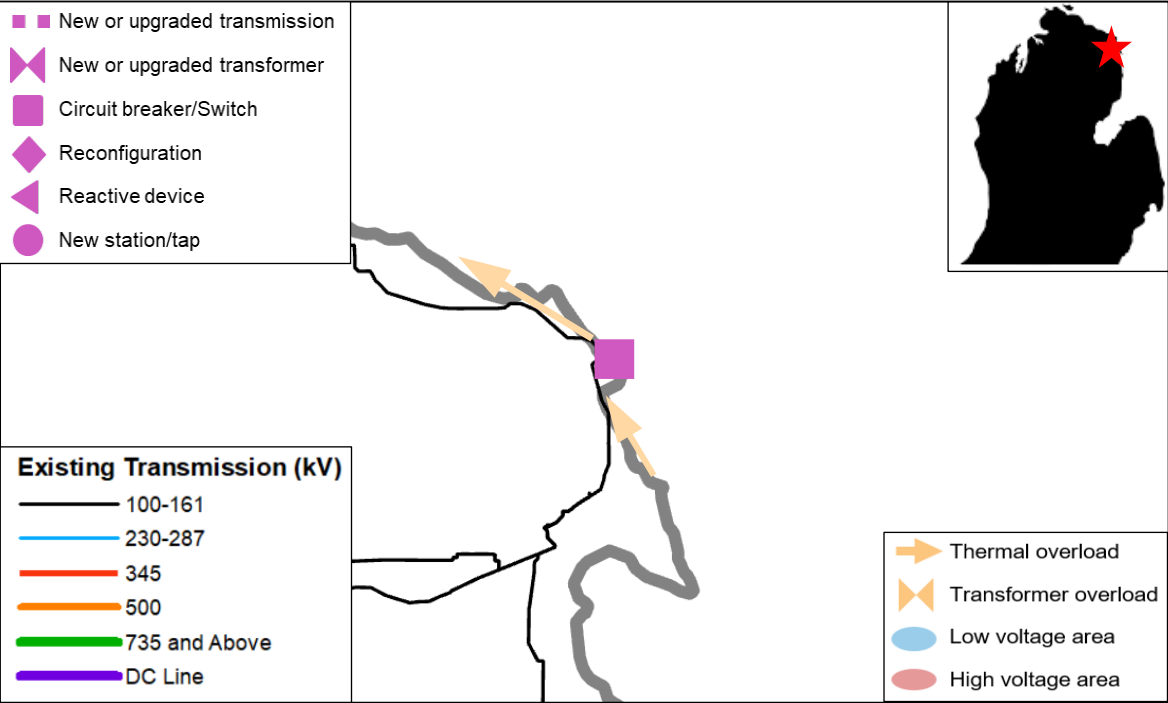


Michigan Electric Transmission Company (METC) MTEP26 ISD Breakdown



Baseline Reliability Project

Details for Upgrade Rockport Position 177 & 188 138 kV Equipment



MTEP Project ID	50858
Project Name	Upgrade Rockport Position 177 & 188 138 kV Equipment
Project Type	BRP
Project Description	Replace station equipment at Rockport positions 177 & 188 with equipment rated at least 175 MVA.
Current Cost	\$0.1 M
Expected ISD	03/01/2029
Target Appendix	A

Baseline Reliability Project

Details for Upgrade Rockport Position 177 & 188 138 kV Equipment

The [METC] Long Rapids – [METC] Rockport and [METC] Rockport – [METC] Grand Lake 138 kV lines did not show overloads in the 2031 SHAW AA results for N-1 contingency.

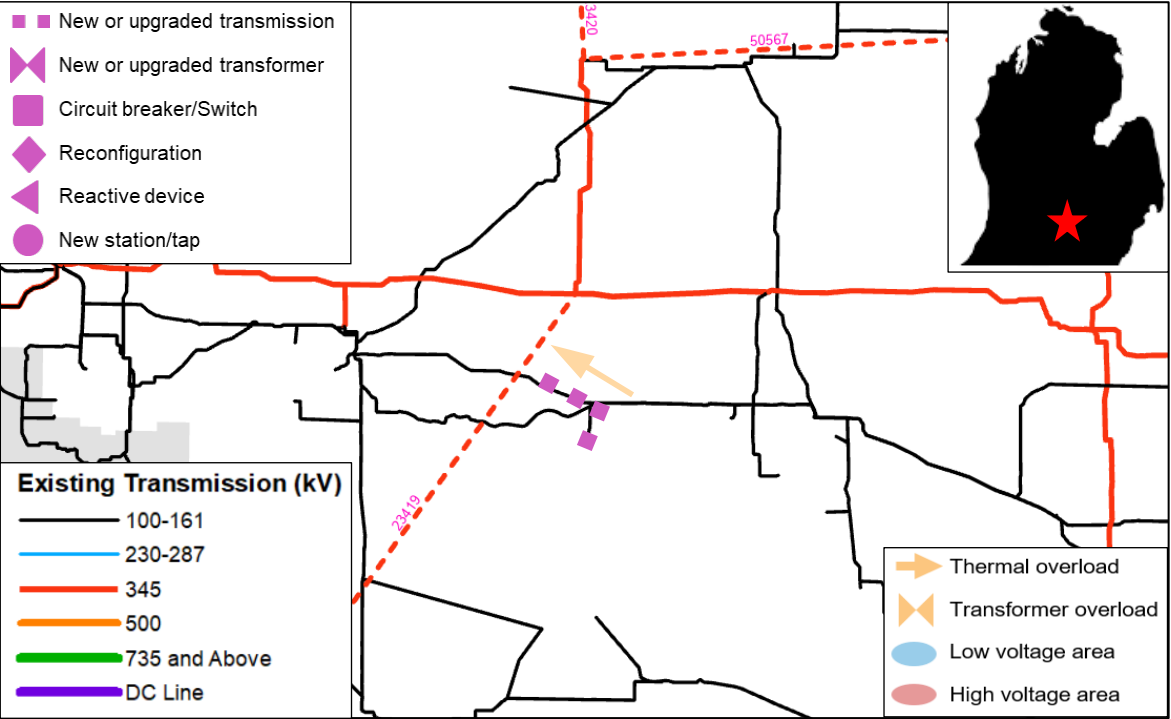
MTEP26 Thermal Violations

Cont. Type	Model	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	2031_P85_I1600_L65_W27_G6	[METC] Long Rapids – [METC] Rockport 138 kV line	15	-
		[METC] Rockport – [METC] Grand Lake 138 kV line	13	-

Recommendation: Move to Appendix B

Baseline Reliability Project

Details for Upgrade Calhoun - Stable 138 kV line



MTEP Project ID	50888
Project Name	Upgrade Calhoun - Stable 138 kV line
Project Type	BRP
Project Description	Upgrade ~2 miles of 336 ACSR 26/7 from Stable to structure 074B1350 with a minimum summer emergency of 234 MVA (979 A).
Current Cost	\$1.8 M
Expected ISD	06/01/2031
Target Appendix	A

Baseline Reliability Project

Details for Upgrade Calhoun - Stable 138 kV line

The [METC] Calhoun – [METC] Stable 138 kV line did not show overloads in the AA runs for N-1-1 contingency events.

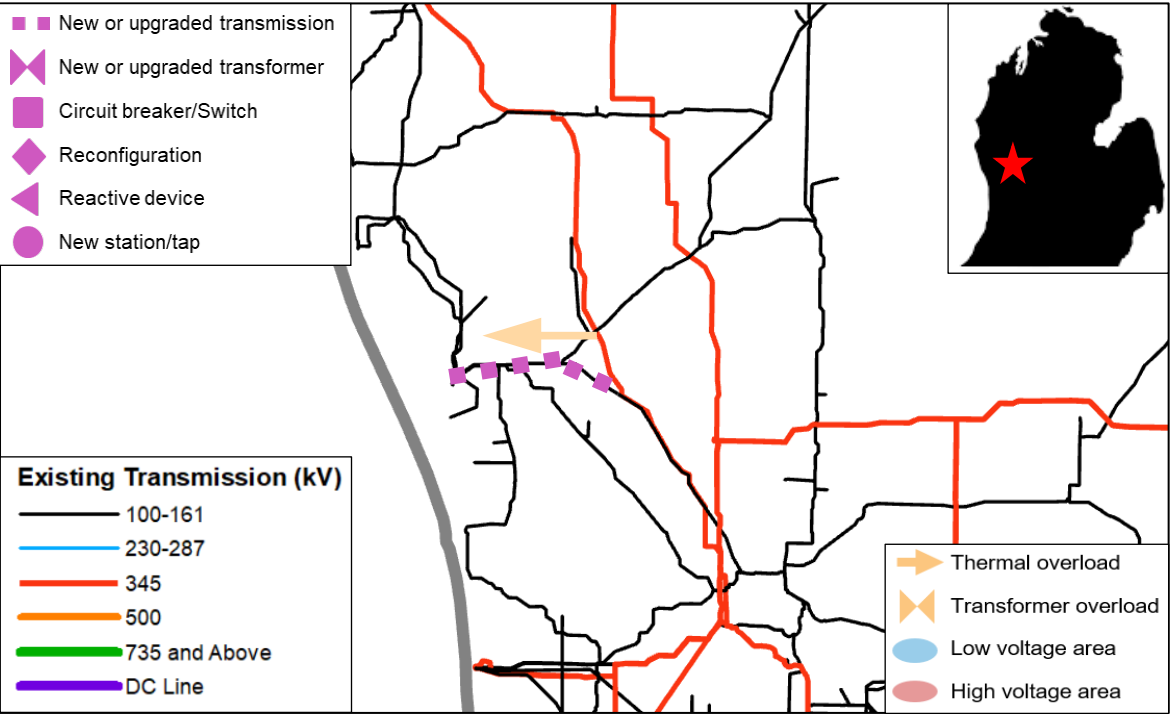
MTEP26 Thermal Violations

Cont. Type	Model	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	MISO26_2028_SUM__AA_EPequivalent	[METC] Calhoun – [METC] Stable 138 kV line	78	-
N-1-1	2031_SP_M100_U5_W18_G6	[METC] Calhoun – [METC] Stable 138 kV line	69	-

Recommendation: Move to Appendix B

Baseline Reliability Project

Details for Remediate Sag on Chopin - White Rd - Aphis 138 kV



MTEP Project ID	50896
Project Name	Remediate Sag on Chopin - White Rd - Aphis 138 kV
Project Type	BRP
Project Description	Eliminate sag on the Chopin-White Rd-Aphis (previously Cobb-White Rd-Aphis) 138 kV section to conductor limit of 291 MVA (summer emergency rating).
Current Cost	\$1.2 M
Expected ISD	06/01/2027
Target Appendix	A

Baseline Reliability Project

Details for Remediate Sag on Chopin - White Rd - Aphis 138 kV

This project is driven by the MTEP25 Generator Deliverability (D6) study.

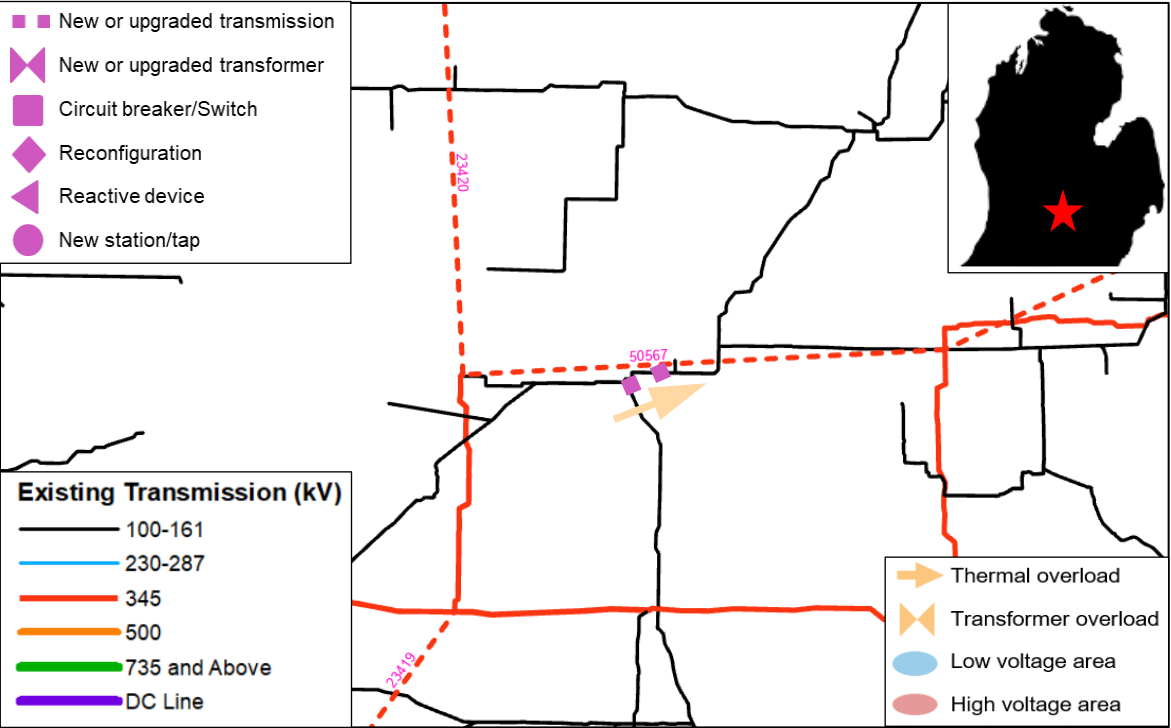
MTEP25 D6 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[METC] White Rd – [METC] Chopin 138 kV line	113	<100
N-1	[METC] Aphis – [METC] White Rd 138 kV line	113	<100

Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Remediate Sag on Delhi - Green 138 kV



MTEP Project ID	50898
Project Name	Remediate Sag on Delhi - Green 138 kV
Project Type	BRP
Project Description	Remediate the sag on the Delhi - Green 138 kV circuit to meet 336 ACSR X2 conductor limit of 325 MVA for summer emergency.
Current Cost	\$1.6 M
Expected ISD	12/31/2030
Target Appendix	A

Baseline Reliability Project

Details for Remediate Sag on Delhi - Green 138 kV

The [METC] Delhi – [METC] Green 138 kV line did not show overload in the AA runs. However, in Michigan 2031 SUM TA model, it showed one hundred eighteen (118%) percent overload for N-1 contingency event and one hundred twenty (120%) percent overload for N-1-1 contingency events. No redispatch has been found for these overloads. Upgrading [METC] Delhi – [METC] Green 138 kV line will increase the summer emergency rating of the line from 244 MVA to 325 MVA.

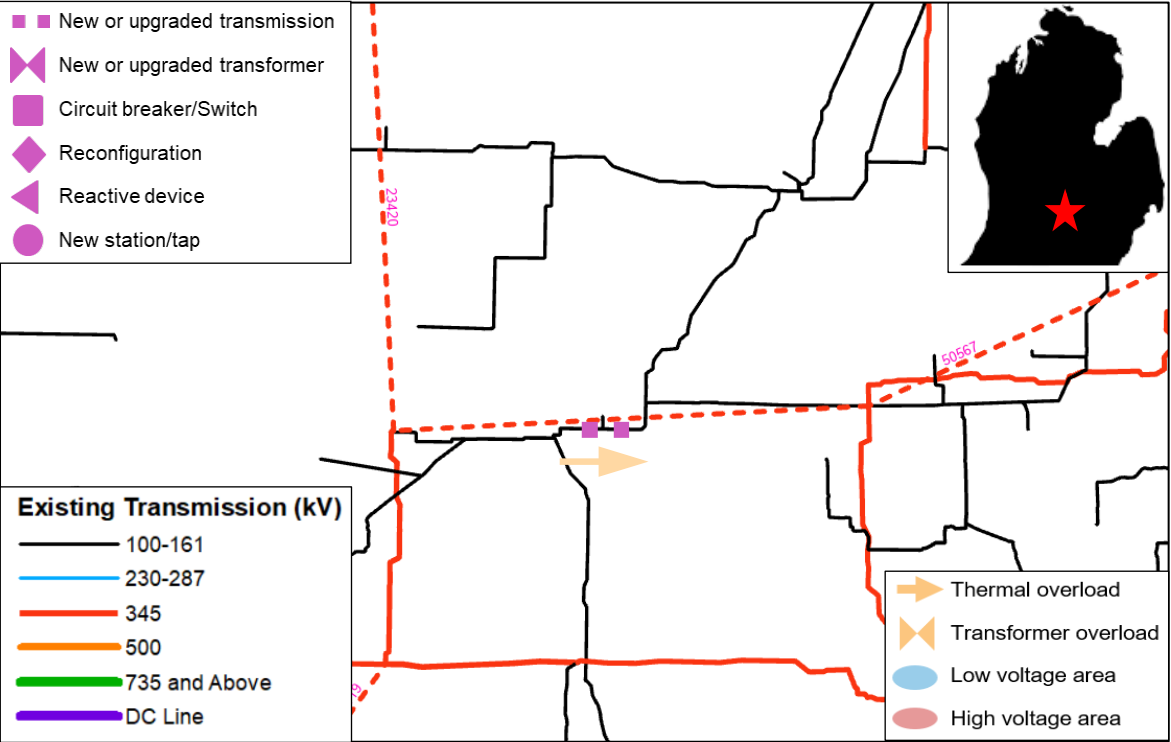
MTEP26 Thermal Violations

Cont. Type	Model	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	2031_SP_M100_U5_W18_G6_TA	[METC] Delhi – [METC] Green 138 kV line	118	<92
N-1-1	2031_SP_M100_U5_W18_G6_TA	[METC] Delhi – [METC] Green 138 kV line	120	<92

Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Remediate Sag on College - Green 138 kV



MTEP Project ID	50899
Project Name	Remediate Sag on College - Green 138 kV
Project Type	BRP
Project Description	Remediate the sag on the College - Green 138 kV circuit to meet 336 ACSR X2 conductor limit of 325 MVA for summer emergency.
Current Cost	\$0.8 M
Expected ISD	12/31/2030
Target Appendix	A

Baseline Reliability Project

Details for Remediate Sag on College - Green 138 kV

The [METC] College – [METC] Green 138 kV line did not show overload in the AA runs. However, in Michigan 2031 SUM TA model, it showed one hundred six (106%) percent overload for N-1 contingency event and one hundred eight (108%) percent overload for N-1-1 contingencies. No redispatch has been found for these overloads. Upgrading [METC] College - [METC] Green 138 kV line will increase the summer emergency rating of the line from 255 MVA to 325 MVA.

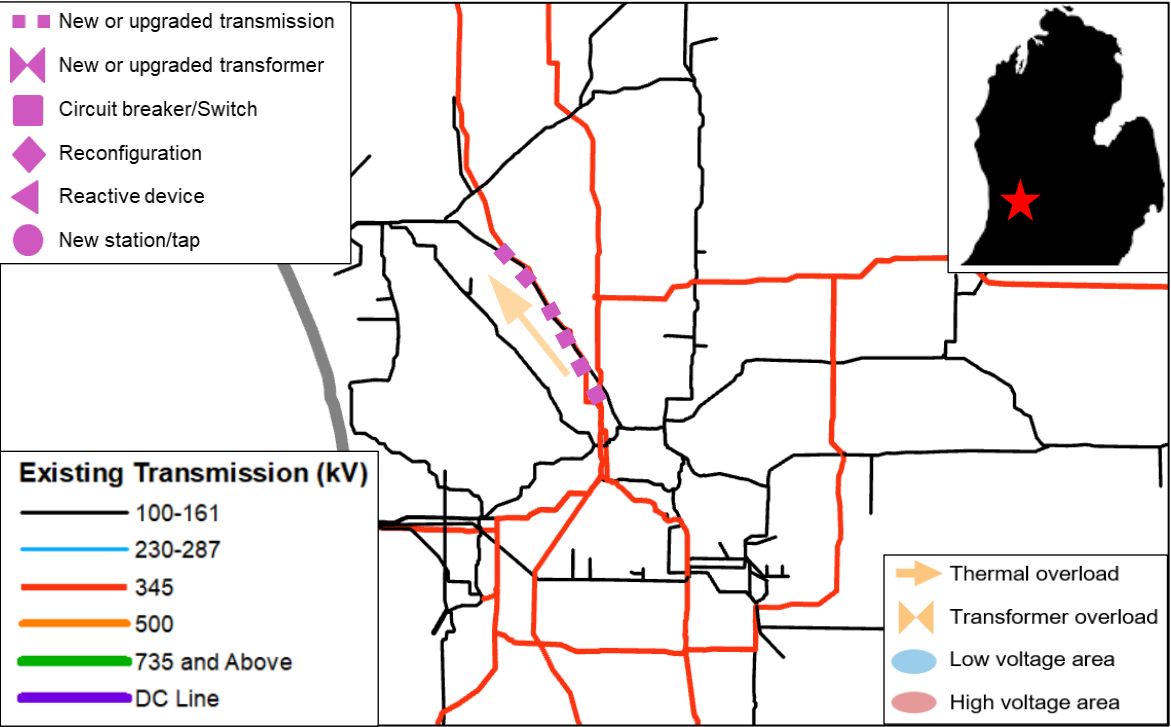
MTEP26 Thermal Violations

Cont. Type	Model	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	2031_SP_M100_U5_W18_G6_TA	[METC] College – [METC] Green 138 kV line	106	<90
N-1-1	2031_SP_M100_U5_W18_G6_TA	[METC] College – [METC] Green 138 kV line	108	<90

Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Upgrade Sag on Aphis-Meyer 138 kV line



MTEP Project ID	51183
Project Name	Upgrade Sag on Aphis-Meyer 138 kV line
Project Type	BRP
Project Description	Upgrade the sag on Aphis - Meyer 138 kV line. All upgrades to a minimum SE 291MVA.
Current Cost	\$1.9 M
Expected ISD	08/01/2027
Target Appendix	A

Baseline Reliability Project

Details for Upgrade Sag on Aphis-Meyer 138 kV line

This project is driven by the MTEP25 Generator Deliverability (D6) study.

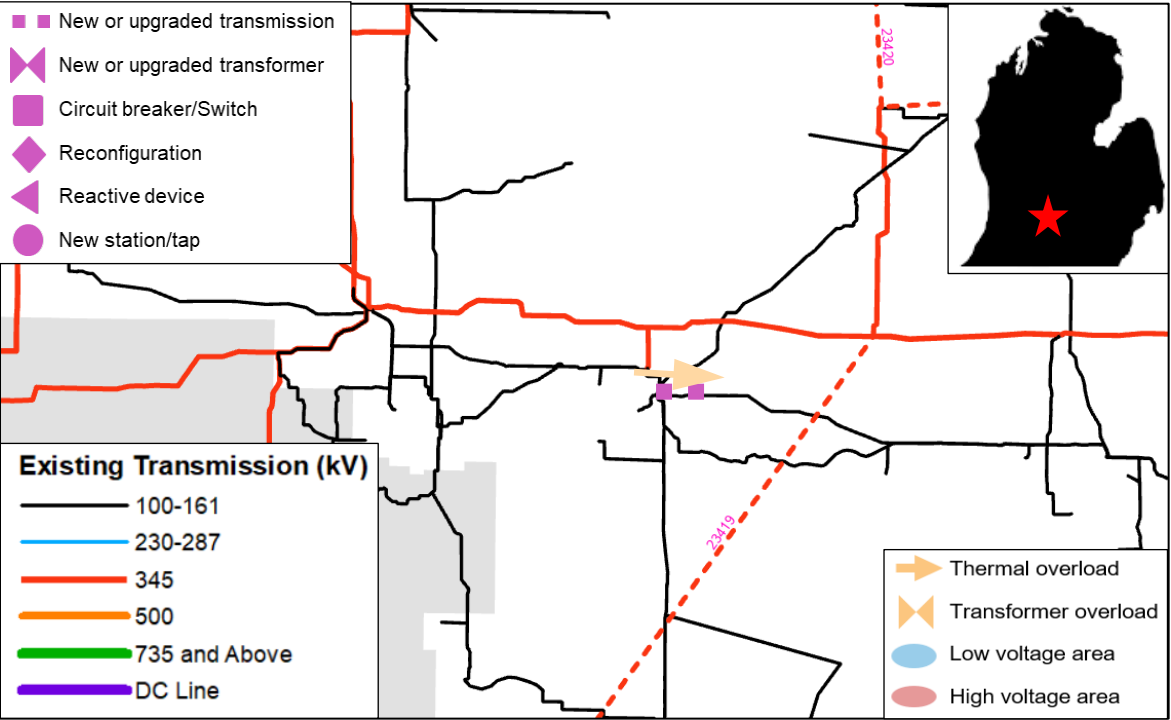
MTEP25 D6 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[METC] Aphis – [METC] Meyer 138 kV line	113	<100

Recommendation: Move to Appendix A

Baseline Reliability Project

Details for Upgrade Mud Lake - Verona #2 138 kV



MTEP Project ID	51185
Project Name	Upgrade Mud Lake - Verona #2 138 kV
Project Type	BRP
Project Description	METC is to upgrade Mud Lake - Verona #2 138 kV. Rebuild to 1431 ACSR conductor from structure 52544 to Verona using double circuit structures. Reconductor to 1431 ACSR (if possible) or 954 ACSS from Mud Lake to structure 52544. Upgrade station equipment at Verona. Upgrade line drop 388. The line is approximately 5.58 miles. OPGW will be installed as needed. All line switches will be 2000A or greater, if replaced.
Current Cost	\$12.3 M
Expected ISD	06/01/2031
Target Appendix	A

Baseline Reliability Project

Details for Upgrade Mud Lake - Verona #2 138 kV

This project is driven by the MTEP25 Generator Deliverability (D6) study.

MTEP25 D6 Thermal Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[METC] Mud Lake – [METC] Verona 2 138 kV line	109	<100

Recommendation: Move to Appendix A

Baseline Reliability Projects (BRPs) Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost	Recommendation
50858	Upgrade Rockport Position 177 & 188 138 kV Equipment	03/01/2029	\$0.1 M	Appendix B
50888	Upgrade Calhoun - Stable 138 kV line	06/01/2031	\$1.8 M	Appendix B
50896	Remediate Sag on Chopin - White Rd - Aphis 138 kV	06/01/2027	\$1.2 M	Appendix A
50898	Remediate Sag on Delhi - Green 138 kV	12/31/2030	\$1.6 M	Appendix A
50899	Remediate Sag on College - Green 138 kV	12/31/2030	\$0.8 M	Appendix A
51183	Upgrade Sag on Aphis-Meyer 138 kV line	08/01/2027	\$1.9 M	Appendix A
51185	Upgrade Mud Lake - Verona #2 138 kV	06/01/2031	\$12.3 M	Appendix A

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.

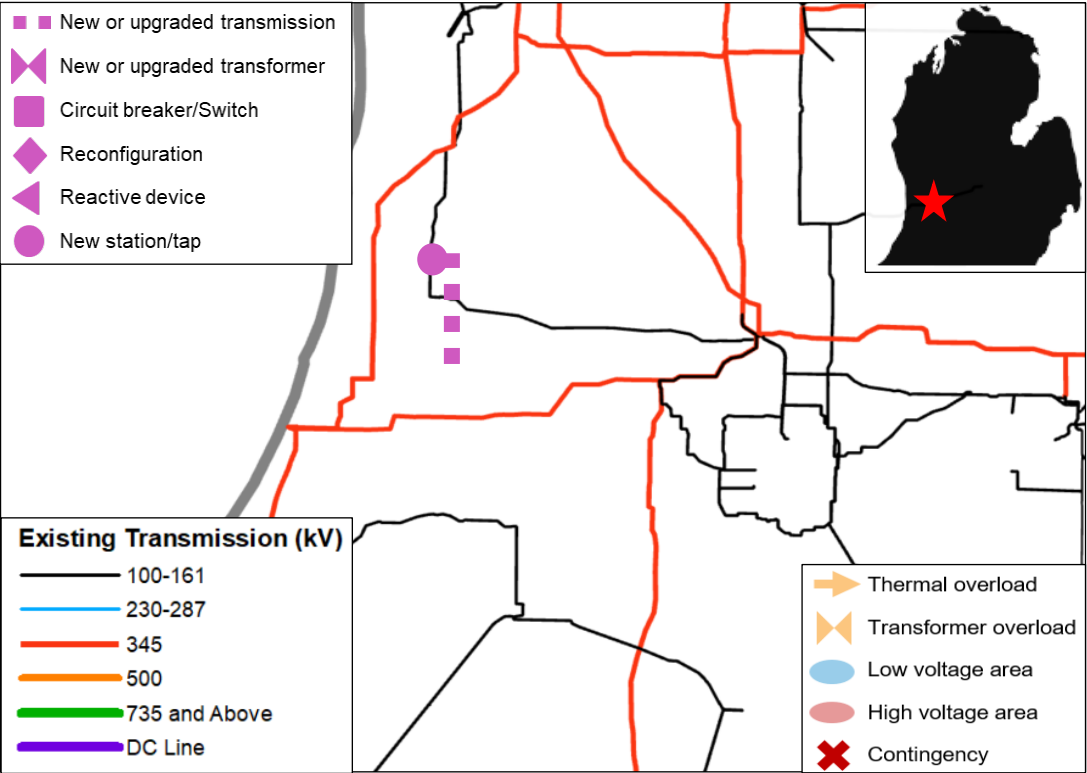


Withdrawal / Replacement Study

(MTEP25 P#50447 → MTEP26 P#51365)

Other, Local Needs Highlight

Details for New Station (Bread) - CE Baker Interconnection



MTEP Project ID	51365
Project Name	New Station (Bread) - CE Baker Interconnection
Project Type	Other
Other Type	Local Needs
Project Description	METC to build a new 345/138 kV station to cut the Palisades – Argenta #2 345 kV line. METC will construct approximately 10.18 miles of new 138 kV line on double-circuit structures (leave vacant side for future use) using 954 ACSR conductor. The new 138 kV line construction will mostly follow existing 345kV corridor and CE’s 46kV ROW.
Current Cost	\$74.3 M
Expected ISD	07/15/2031
Target Appendix	A

Comparison of MTEP25 Approved Project and MTEP26 Alternative

MTEP Project ID	MTEP25 P#50447 –Appendix A (Approved)	MTEP26 P#51365 Alternative (Target Appendix A)
Project Name	New [CONS] Baker Interconnection	New Station (Bread) - CE Baker Interconnection
Project Type	Other	Other
Project Description	METC to install two 138 kV, 63 kA breakers at Weeds Lake to terminate Consumers Energy's new Baker connection at position “BM8” and construct approximately 36.5 miles of new 138 kV line on double-circuit structures (leave vacant side for future use) using 954 ACSR conductor.	METC to build a new 345/138 kV station to cut the Palisades – Argenta #2 345 kV line. METC will construct approximately 10.18 miles of new 138 kV line on double-circuit structures (leave vacant side for future use) using 954 ACSR conductor. The new 138 kV line construction will mostly follow existing 345 kV corridor and CE’s 46 kV ROW.
System Need	Consumers Energy requested to connect their new Baker substation to METC’s Weeds Lake 138 kV station.	Consumers Energy requested to connect their new Baker 138/46 kV substation in Lawrence township. There is a MISO approved project #50447 to accommodate this interconnection request. This proposal is an alternative to the approved project for the cost and time savings.
Current Cost	\$108.8 M	\$74.3 M
Expected ISD	06/01/2030	07/15/2031

Recommendation: Move to Appendix A

Other Projects Summary

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
20015	Rebuild Bingham - Cornell 138 kV	Age and Condition	06/01/2031	\$32.2 M
51016	Rebuild Airport - Mio Dam 138 kV line	Age and Condition	12/31/2030	\$72.7 M
51017	Rebuild Cornell - Tihart 138 kV line	Age and Condition	12/31/2031	\$41.2 M
51020	Rebuild Croton 138 kV station	Age and Condition	12/31/2030	\$11.4 M
51024	METC Customer Interconnections - 2029	Load Growth	12/31/2029	\$2.5 M
51025	METC Line Relocation - 2028	Local Needs	12/31/2028	\$2.5 M
51026	METC Asset Replacement Program - 2028	Age and Condition	12/31/2028	\$58.6 M
51365	New Station (Bread) - CE Baker Interconnection	Local Needs	07/15/2031	\$74.3 M
51422	Iosco-Long Rapids 138 kV Rebuild	Local Reliability	05/28/2029	\$115.1 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) Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost
25409	New Port Calcite-Rockport 138 kV Station - Generator Interconnection J1914 - Network Upgrades (150 MW)	10/30/2026	\$13.3 M
25426	New Newton 138 kV Substation - Generation Interconnection J1916 - Network Upgrade (100 MW)	03/02/2026	\$5.1 M
25451	New Newton 138 kV Substation - Generator Interconnection J1916 - TOIF (100 MW)	03/02/2026	\$0.3 M
25476	New Nelson Road-Kenowa 345 kV station - Generator Interconnection J1918 - TOIF (132 MW)	12/18/2025	\$1.1 M
25477	New Port Calcite-Rockport Station - Generator Interconnection J1914 - TOIF (150 MW)	07/06/2026	\$0.3 M
25488	New Nelson Road-Kenowa 345 kV station - Generator Interconnection J1918 - Network Upgrades (132 MW)	12/18/2025	\$15.9 M
50015	New 138 kV Station - Generator Interconnection J2815 - Network Upgrades (140 MW)	04/03/2026	\$8.7 M
50016	New 138 kV Station - Generator Interconnection J2815 - TOIF (140 MW)	04/07/2026	\$0.4 M
50595	Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - TOIF	07/13/2026	\$1.3 M
50596	Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - Network Upgrades	03/21/2026	\$27.8 M
50729	R1040 Generator Replacement - TOIF	03/31/2028	\$0.1 M

Questions?

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