



MTEP26 Project Information – Michigan Electric Transmission Company, LLC (METC)

2nd East Subregional Planning Meeting
Tuesday, June 2, 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*.

East Region Overview

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

- Michigan Electric Transmission Co. (METC): 26 submitted projects at an estimated cost of \$302 million

Update on Current Cycle Projects since SPM1

MTEP Project ID	Project Name	Project Type	Project Change
25409	New Port Calcite-Rockport 138 kV Station - Generator Interconnection J1914 - Network Upgrades (150 MW)	GIP	Project cost decreased from \$15.1M to \$13.3M
50018	New Generator Interconnection J2874 - TOIF (85 MW)	GIP	Project moved to MTEP27
50019	New Generator Interconnection J2874 - Network Upgrades (85 MW)	GIP	Project moved to MTEP27
50022	New 138 kV Station - Generator Interconnection J2814 - Network Upgrades (220 MW)	GIP	Project moved to MTEP27
50023	New 138 kV Station - Generator Interconnection J2814 - TOIF (220 MW)	GIP	Project moved to MTEP27
50143	New 138 kV Station - Generator Interconnection J2673 - Network Upgrades (237 MW)	GIP	Project moved to MTEP27
50144	New 138 kV Station - Generator Interconnection J2673 - TOIF (237 MW)	GIP	Project moved to MTEP27
50250	New 138 kV Station - Generator Interconnection J1939 - Network Upgrades (125 MW)	GIP	Project moved to MTEP27
50252	New 138 kV Station - Generator Interconnection J1939 - TOIF (125 MW)	GIP	Project moved to MTEP27
50281	New 345 kV station - Generator Interconnection J2877 - Network Upgrades (200 MW)	GIP	Project moved to MTEP27

Update on Current Cycle Projects since SPM1

MTEP Project ID	Project Name	Project Type	Project Change
50283	New 345 kV station - Generator Interconnection J2877 - TOIF (200 MW)	GIP	Project moved to MTEP27
50579	Mio Dam-Twinning - J2876 Generator Interconnection - Network Upgrades	GIP	Project moved to MTEP27
50580	Mio Dam-Twinning - J2876 Generator Interconnection - TOIF	GIP	Project moved to MTEP27
50589	Tompkins 138kV - J2064 Generator Interconnection - Network Upgrades	GIP	Project moved to MTEP27
50593	Tompkins 138kV - J2064 Generator Interconnection - TOIF	GIP	Project moved to MTEP27
50604	Riggsville-Port Calcite - J2260 Generator Interconnection (Quade) - Network Upgrades	GIP	Project moved to MTEP27
50607	Riggsville-Port Calcite - J2260 Generator Interconnection (Quade) - TOIF	GIP	Project moved to MTEP27
50610	Jaguar - J1894 Generator Interconnection - Network Upgrades	GIP	Project moved to MTEP27
50611	Jaguar - J1894 Generator Interconnection - TOIF	GIP	Project moved to MTEP27

Update on Current Cycle Projects since SPM1

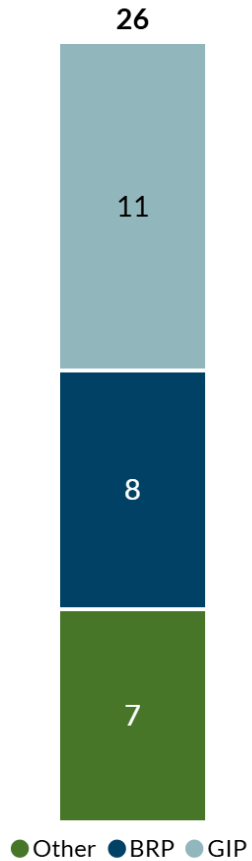
MTEP Project ID	Project Name	Project Type	Project Change
50858	Upgrade Rockport Position 177 & 188 138 kV Equipment	BRP	Project cost decreased from \$0.2M to \$0.1M
50888	Upgrade Calhoun - Stable 138 kV Line	BRP	Project cost decreased from \$2.8M to \$1.8M
50896	Remediate Sag on Chopin - White Rd - Aphis 138 kV	BRP	Project cost decreased from \$2.0M to \$1.2M
50898	Remediate Sag on Delhi - Green 138 kV	BRP	Project cost decreased from \$2.0M to \$1.6M
50899	Remediate Sag on College - Green 138 kV	BRP	Project cost decreased from \$2.0M to \$0.8M
51016	Rebuild Airport - Mio Dam 138 kV line	Other-Age & Condition	Project cost increased from \$71.5M to \$72.7M
51020	Rebuild Croton 138 kV station	Other-Age & Condition	Project ISD updated from 12/31/2031 to 12/31/2030, Cost decreased from \$25.0M to \$11.4M
51054	Raise Sag on Lemoyne - Driftwood 345 kV line	BRP	Project cost decreased from \$4.0M to \$1.7M
51183	Upgrade Sag on Aphis-Meyer 138 kV line	BRP	Project ISD updated from 06/01/2031 to 12/31/2030, Cost decreased from \$2.0M to \$1.9M

Update on Current Cycle Projects since SPM1

MTEP Project ID	Project Name	Project Type	Project Change
51184	Upgrade Stonehill-Denso Jct. 138 kV	BRP	Project withdrawn
51185	UpgradeMud Lake-Verona #2 138 kV	BRP	Project cost increased from \$9.8M to \$12.3M

METC

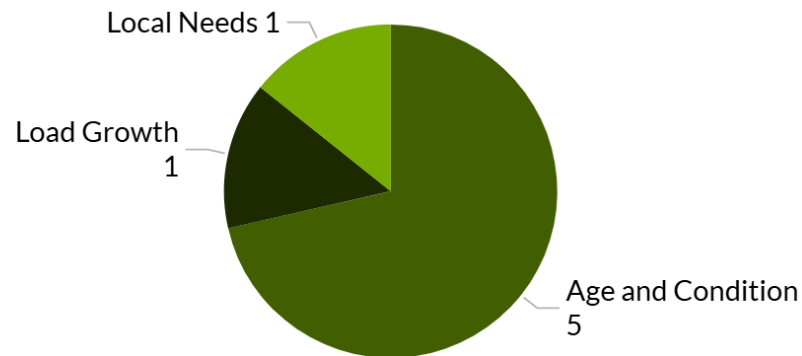
MTEP26 Projects



26
Total Projects

\$302M
Investment

Breakdown of Other Project Types By Project Count



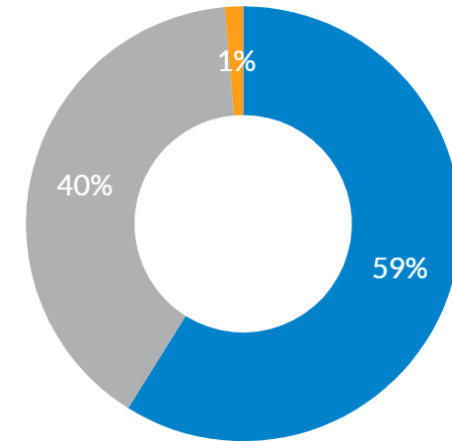
Line Miles by Voltage Level

● ≤161 kV ● 345 kV



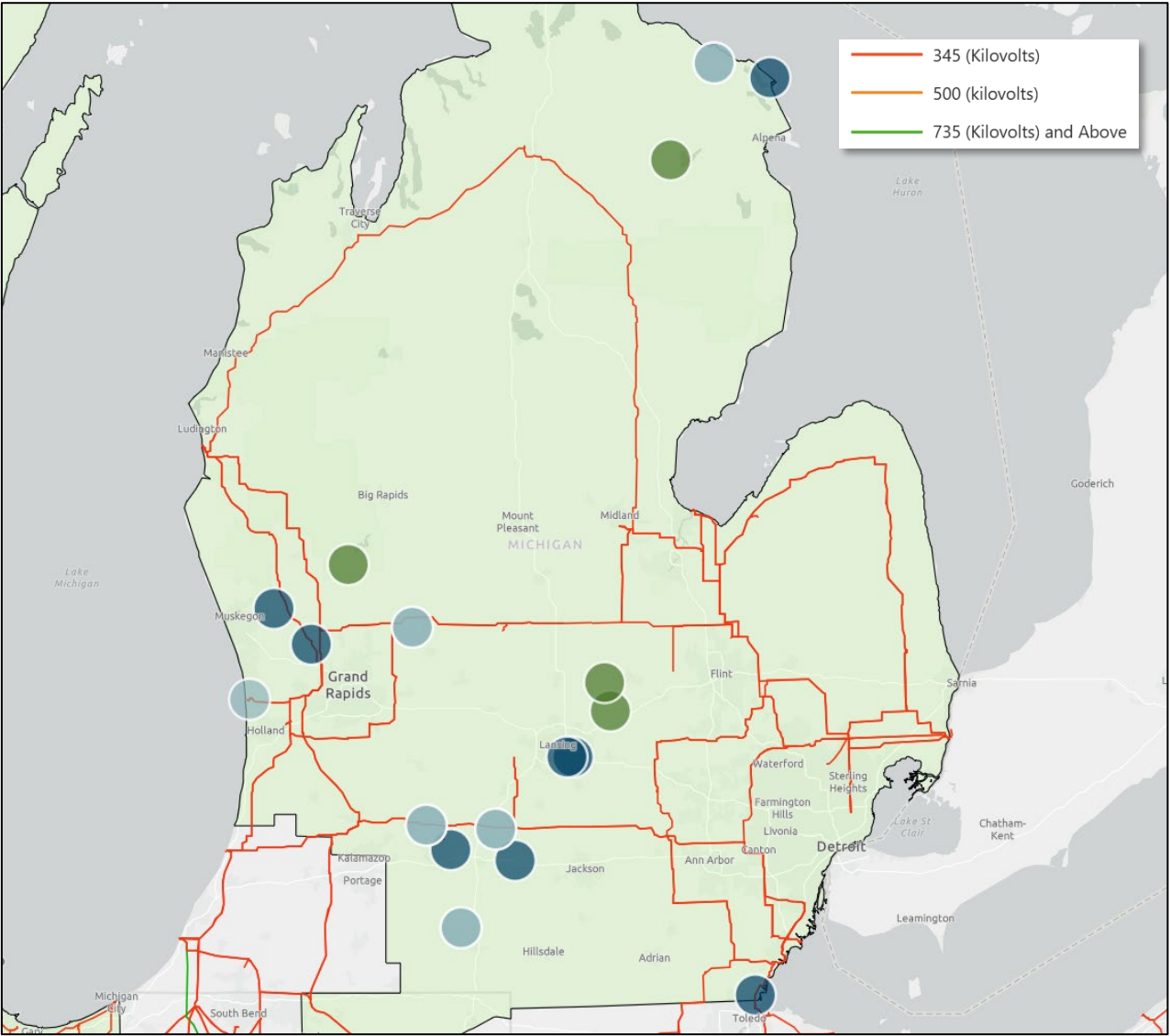
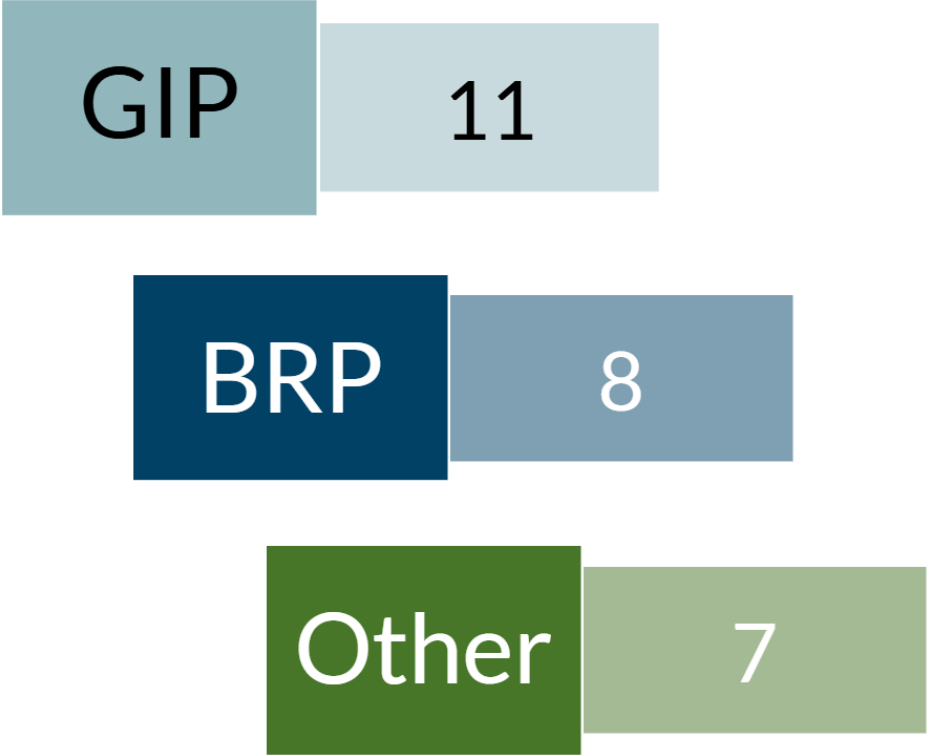
Project Facility Types As a Percentage of Cost

● Line Upgrade ● Substation ● Misc.

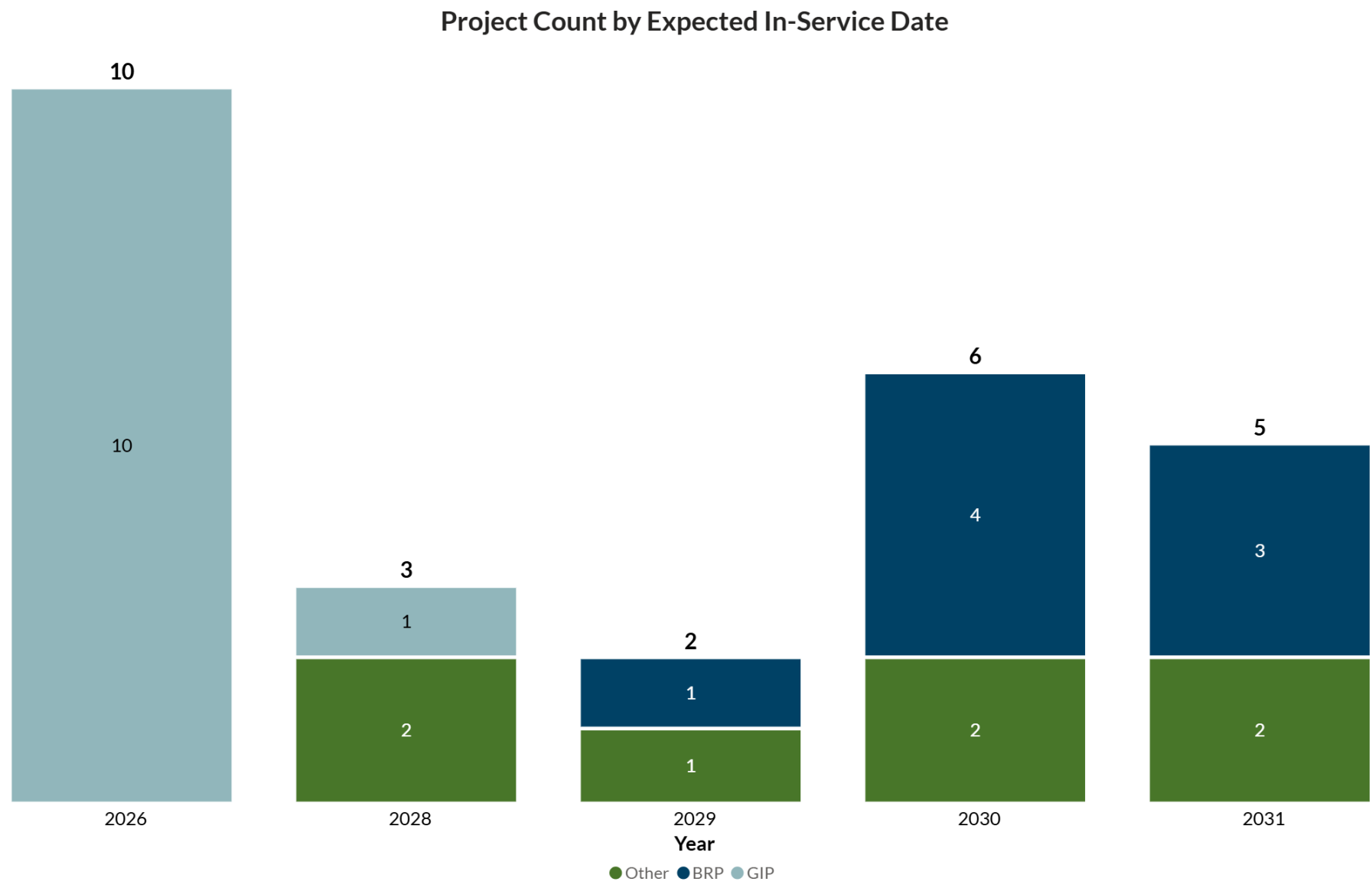


METC MTEP26 Project Type Breakdown

METC MTEP26 Summary

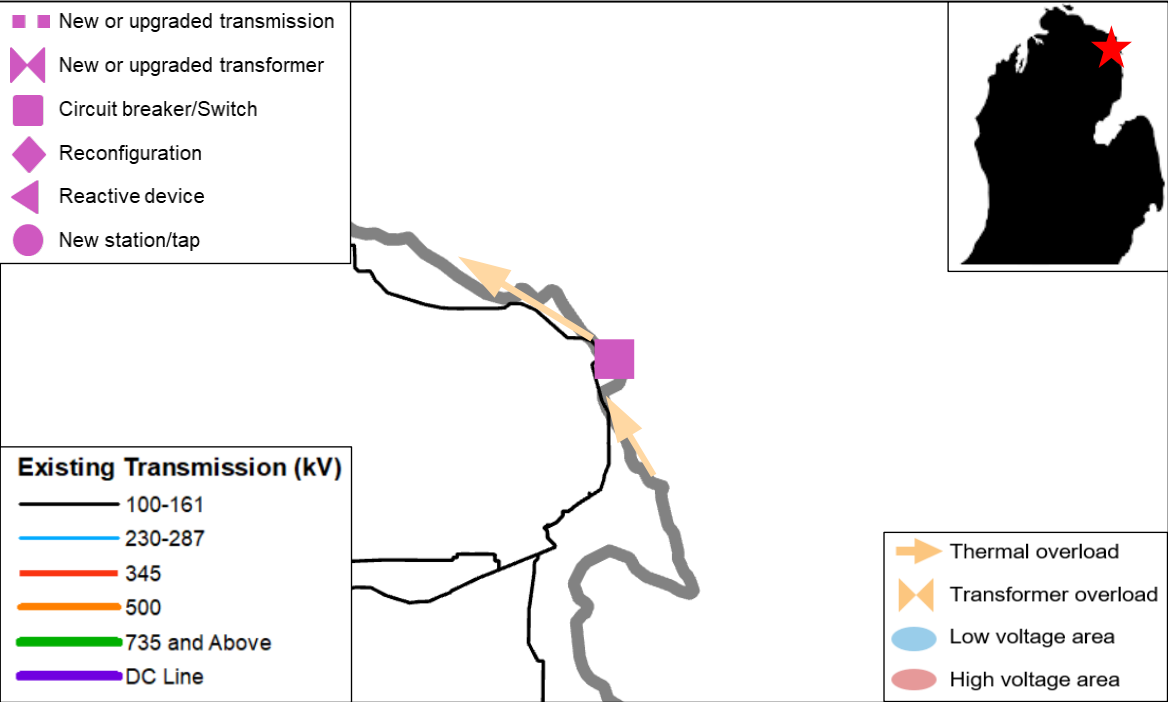


METC MTEP26 ISD Breakdown



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.
System Need	The Long Rapids - Rockport and Port Calcite - Rockport 138 kV circuits are projected to be overloaded on off-peak conditions for N-1 contingency conditions. The overloaded equipment identified on these circuits are the station equipment at Rockport, after other overhead line rebuild projects are taken into account.
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

[METC] Long Rapids – [METC] Rockport and [METC] Rockport – [METC] Grand Lake 138 kV lines did not appear in the AA runs, a manual review of the previously seen worst N-1 contingencies also did not show overloads in the 2031 SHAW models.

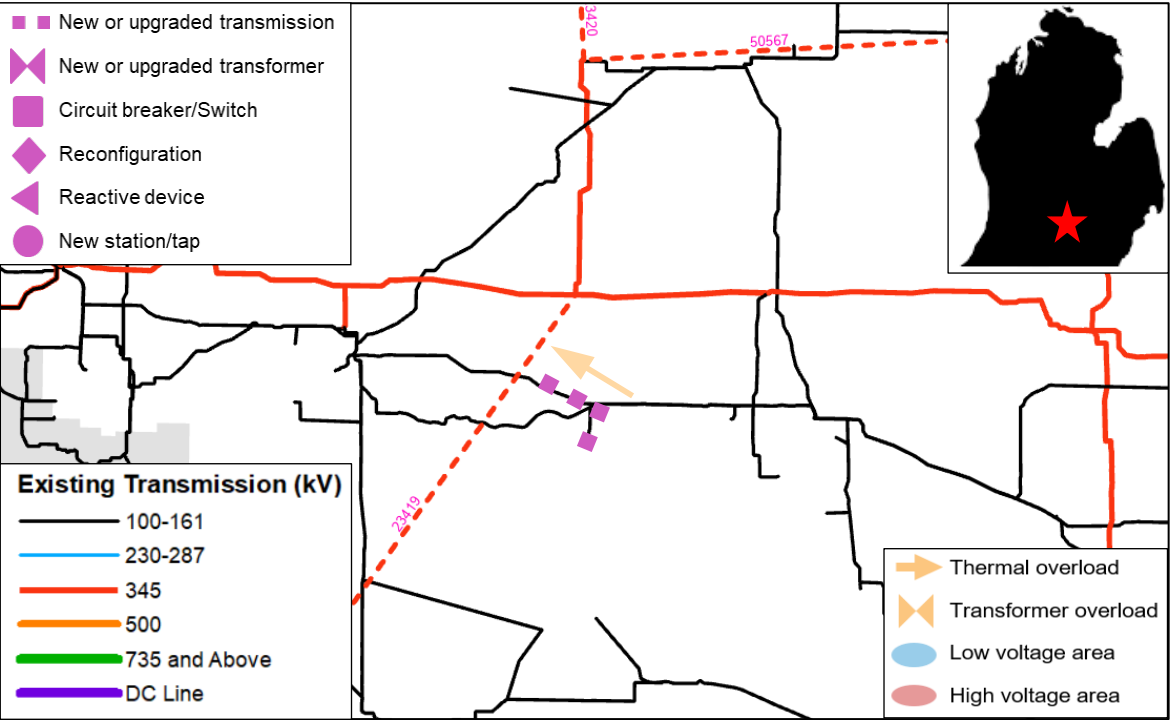
MTEP26 Thermal Violations

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	-

Preliminary 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).
System Need	Calhoun - Stable 138 kV line is projected to become overload due to P6 contingency in METC 2025 internal assessment.
Current Cost	\$1.8 M
Expected ISD	06/01/2031
Target Appendix	A

Baseline Reliability Project

Details for Upgrade Calhoun - Stable 138 kV line

[METC] Calhoun – [METC] Stable 138 kV line did not appear in the AA runs, a manual review of the previously seen worst N-1-1 contingencies also did not show overloads in the 2028 SUM and 2031 SUM models.

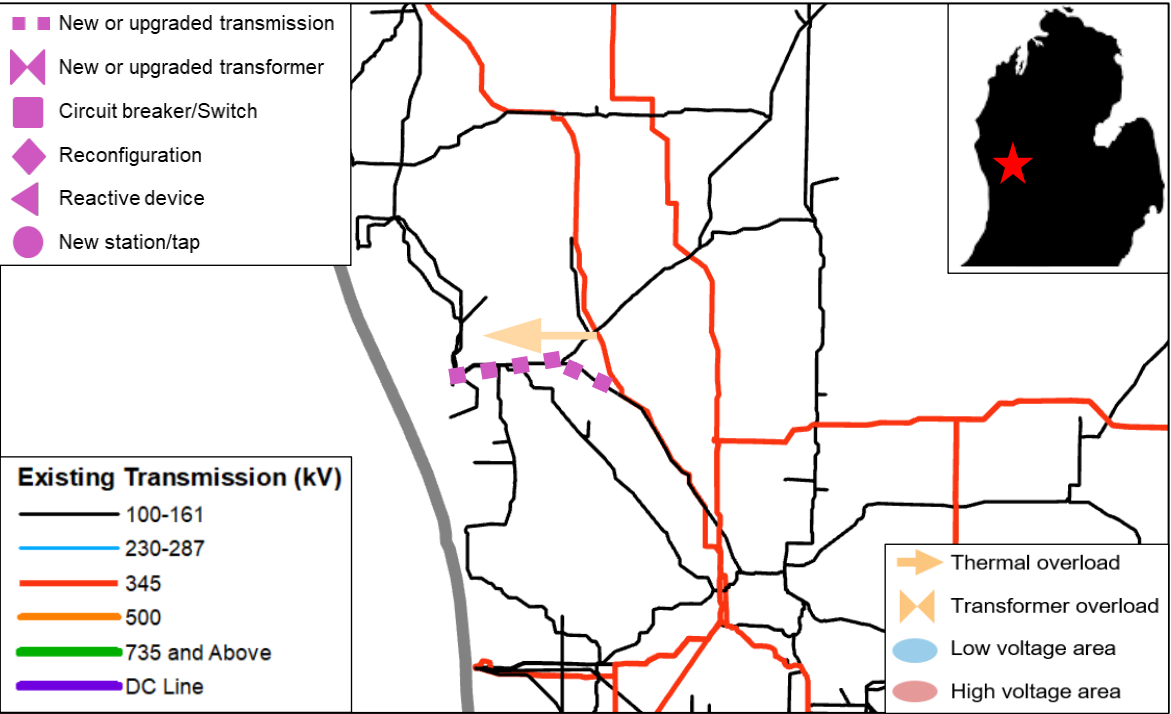
MTEP26 Thermal Violations

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	-

Preliminary 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).
System Need	The Aphis - White Road and White Road - Chopin 138 kV lines are projected to overload in 2030 and 2035 cases in METC's 2025 assessment for P6 and P71 contingencies. MISO MTEP25 - D6 study also projected these 138 kV sections to be overloaded.
Current Cost	\$1.2 M
Expected ISD	12/31/2030
Target Appendix	A

Baseline Reliability Project

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

[METC] Aphis – [METC] White Road and [METC] White Road – [METC] Chopin 138 kV lines did not appear in the AA runs, a manual review of the previously seen worst N-1 and N-1-1 contingencies also did not show overloads in the 2031 SUM and 2036 SUM models.

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	[METC] White Rd – [METC] Aphis 138 kV line	75	-
		[METC] White Rd – [METC] Chopin 138 kV line	64	-
N-1	MISO26_2036_SUM__AA_EPequivalent	[METC] White Rd – [METC] Aphis 138 kV line	81	-
		[METC] White Rd – [METC] Chopin 138 kV line	69	-
N-1-1	2031_SP_M100_U5_W18_G6	[METC] White Rd – [METC] Aphis 138 kV line	84	-
		[METC] White Rd – [METC] Chopin 138 kV line	72	-
N-1-1	MISO26_2036_SUM__AA_EPequivalent	[METC] White Rd – [METC] Aphis 138 kV line	89	-
		[METC] White Rd – [METC] Chopin 138 kV line	76	-

Baseline Reliability Project

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

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

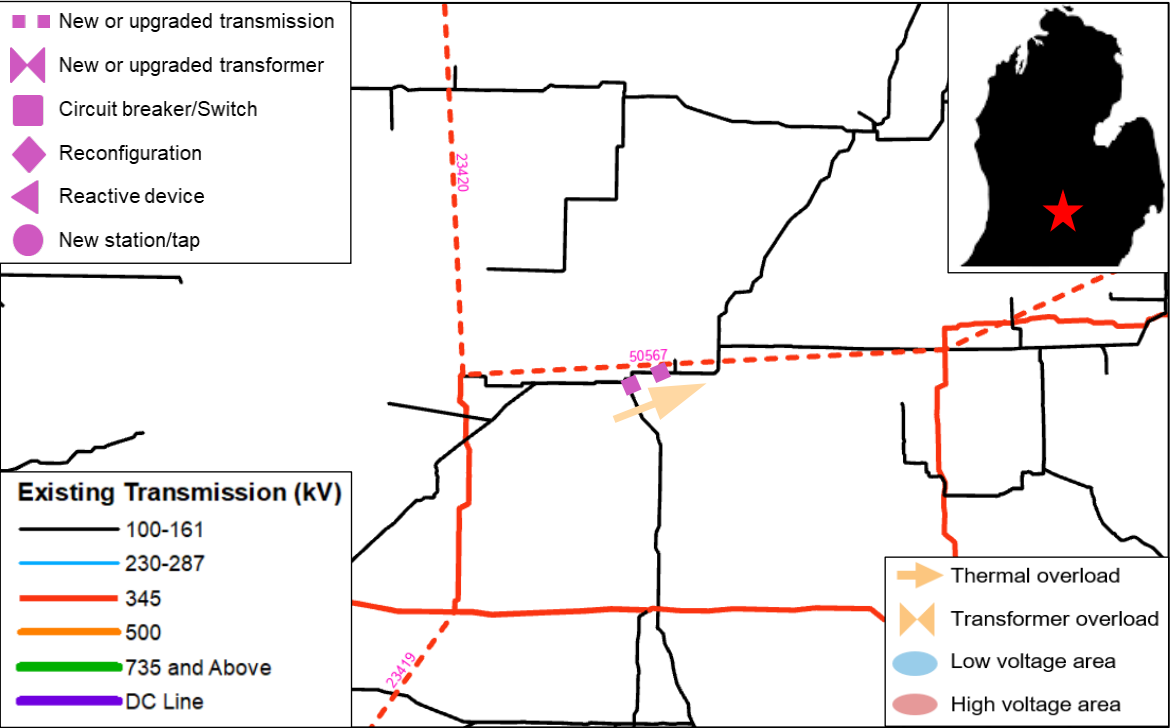
MTEP25 D6 Thermal Violations

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	-
N-1	[METC] Aphis – [METC] White Rd 138 kV line	113	-

Preliminary 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.
System Need	Delhi - Green 138 kV circuit is projected to overload in 2030 cases for P6 and P71 contingencies. The overload as identified in METC's 2025 assessment.
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

[METC] Delhi – [METC] Green 138 kV line did not appear in the AA runs, a manual review of the previously seen worst N-1 and N-1-1 contingencies also did not show overloads in the 2031 SUM models.

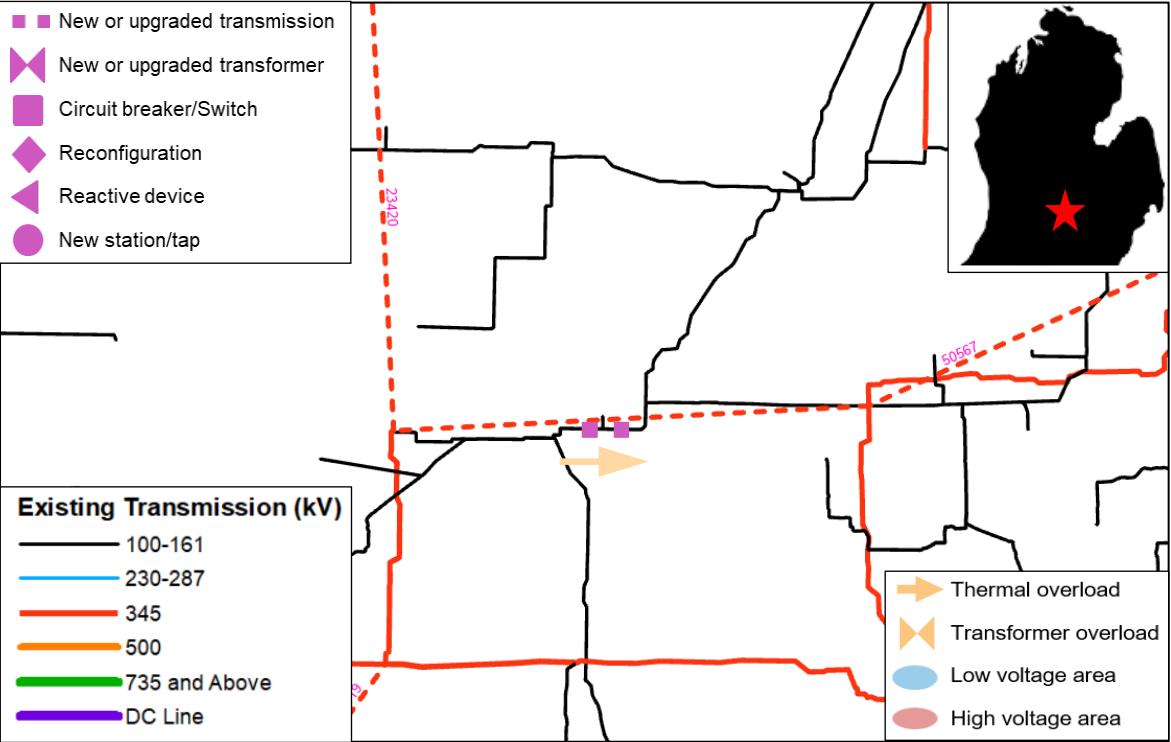
MTEP26 Thermal Violations

Cont. Type	Model	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	2031_SP_M100_U5_W18_G6	[METC] Delhi – [METC] Green 138 kV line	90	-
N-1-1	2031_SP_M100_U5_W18_G6	[METC] Delhi – [METC] Green 138 kV line	87	-

Preliminary Recommendation: Move to Appendix B

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.
System Need	College - Green 138 kV circuit is projected to overload in 2030 for P6 contingencies. The overload is identified in METC's 2025 assessment.
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

[METC] Collage – [METC] Green 138 kV line did not appear in the AA runs, a manual review of the previously seen worst N-1 and N-1-1 contingencies also did not show overloads in the 2031 SUM models.

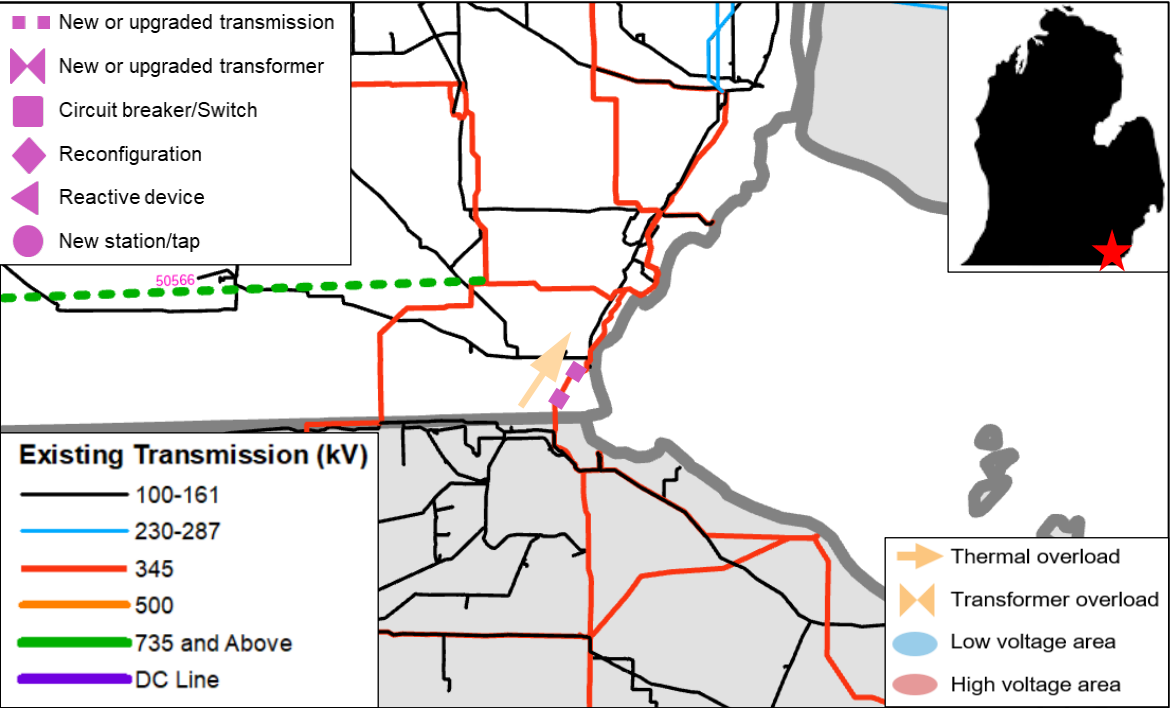
MTEP26 Thermal Violations

Cont. Type	Model	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	2031_SP_M100_U5_W18_G6	[METC] Collage – [METC] Green 138 kV line	80	-
N-1-1	2031_SP_M100_U5_W18_G6	[METC] Collage – [METC] Green 138 kV line	77	-

Preliminary Recommendation: Move to Appendix B

Baseline Reliability Project

Details for Raise Sag on Lemoyne - Driftwood 345 kV line



MTEP Project ID	51054
Project Name	Raise Sag on Lemoyne - Driftwood 345 kV line
Project Type	BRP
Project Description	Raise the sag on the Lemoyne - Driftwood 345 kV (formerly Lemoyne – Majestic 345kV) circuit. All upgrades to a minimum summer emergency of 1502 MVA.
System Need	The Lemoyne-Driftwood 345kV is projected to overload in both MISO's MTEP25 D3 study and ITC 2025 internal assessment.
Current Cost	\$1.7 M
Expected ISD	12/31/2031
Target Appendix	A

Baseline Reliability Project

Details for Raise Sag on Lemoyne - Driftwood 345 kV line

[FE] Lemoyne – [ITCT] Driftwood 345 kV line becomes overloaded to one hundred-two (102%) percent in year 2036 for a NERC defined category N-1 contingency event. It becomes overloaded to one hundred fifty-eight (158%) percent in year 2036 for NERC defined category N-1-1 contingency events. Upgrading [FE] Lemoyne – [METC] Driftwood #1 345 kV line will increase the summer emergency rating of the line from 820 MVA to 1502 MVA.

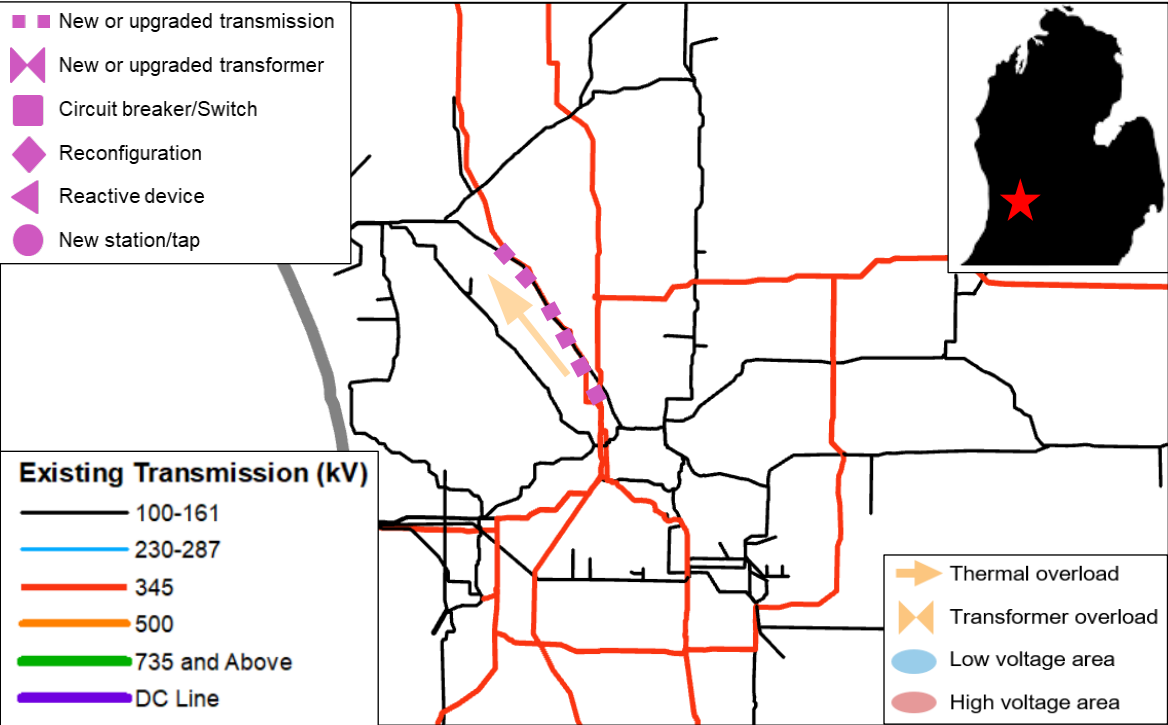
MTEP26 Thermal Violations

Cont. Type	Model	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	MISO26_2036_SUM__AA_EPequivalent	[FE] Lemoyne – [ITCT] Driftwood 345kV line	102	-
N-1-1	MISO26_2036_SUM__AA_EPequivalent	[FE] Lemoyne – [ITCT] Driftwood 345kV line	158	-

Preliminary 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.
System Need	The Aphis - Meyer 138 kV line was projected to overload in MISO's MTEP25 generator deliverability study.
Current Cost	\$1.9 M
Expected ISD	12/31/2030
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.

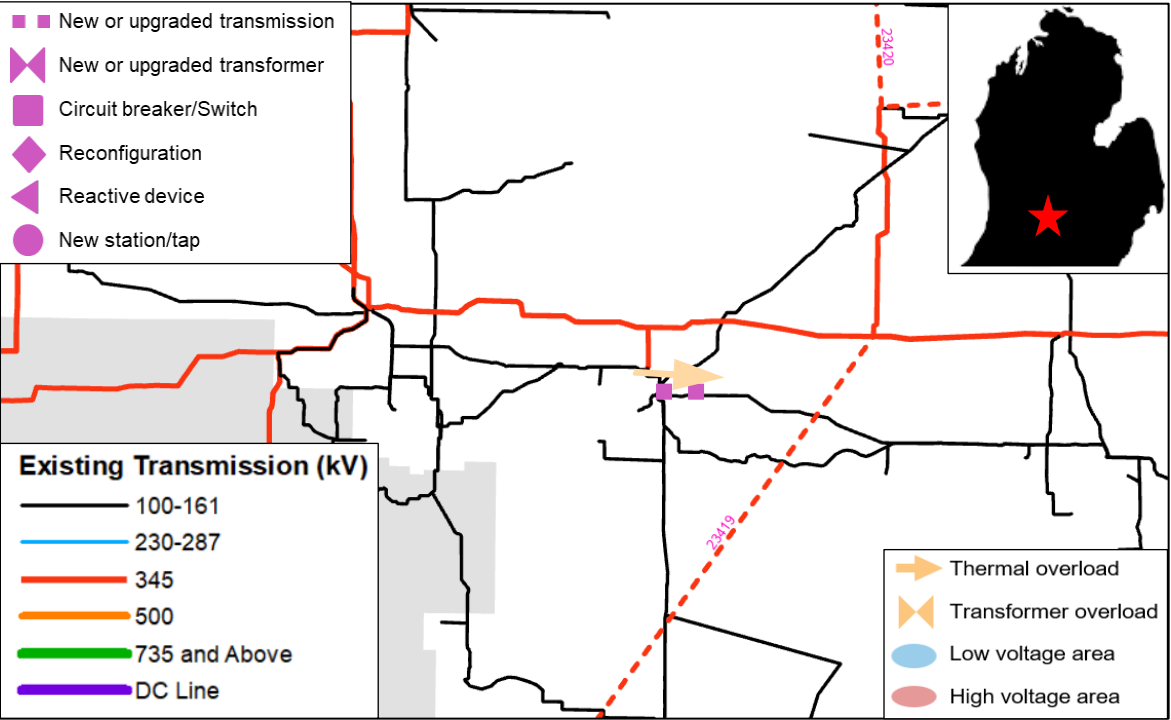
MTEP25 D6 Thermal Violations

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

Preliminary 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.
System Need	The Mud Lake - Verona #2 138 kV line was projected to overload in MISO's MTEP25 generator deliverability study.
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	-

Preliminary Recommendation: Move to Appendix A

BRP Project Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost
50858	Upgrade Rockport Position 177 & 188 138 kV Equipment	03/01/2029	\$0.1 M
50888	Upgrade Calhoun - Stable 138 kV line	06/01/2031	\$1.8 M
50896	Remediate Sag on Chopin - White Rd - Aphis 138 kV	12/31/2030	\$1.2 M
50898	Remediate Sag on Delhi - Green 138 kV	12/31/2030	\$1.6 M
50899	Remediate Sag on College - Green 138 kV	12/31/2030	\$0.8 M
51054	Raise Sag on Lemoyne - Driftwood 345 kV line	12/31/2031	\$1.7 M
51183	Upgrade Sag on Aphis-Meyer 138 kV line	12/31/2030	\$1.9 M
51185	Upgrade Mud Lake - Verona #2 138 kV	06/01/2031	\$12.3 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
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	\$38.4 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

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
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)	01/09/2026	\$1.1 M
25477	New Port Calcite-Rockport Station - Generator Interconnection J1914 - TOIF (150 MW)	03/02/2026	\$0.3 M
25488	New Nelson Road-Kenowa 345 kV station - Generator Interconnection J1918 - Network Upgrades (132 MW)	01/09/2026	\$15.9 M
50015	New 138 kV Station - Generator Interconnection J2815 - Network Upgrades (140 MW)	02/02/2026	\$8.7 M
50016	New 138 kV Station - Generator Interconnection J2815 - TOIF (140 MW)	02/02/2026	\$0.4 M
50595	Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - TOIF	01/30/2026	\$0.9 M

Generator Interconnection Projects (GIPs) cont.

MTEP Project ID	Project Name	Expected ISD	Current Cost
50596	Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - Network Upgrades	01/30/2026	\$15.8 M
50729	R1040 Generator Replacement - TOIF	03/31/2028	\$0.1 M

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Questions?



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