

Project Name	2022 Est. ISD Month - Year	2023 Est. ISD Month - Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Winneconne SS, Relay and Breaker Replacement	Dec-22	Feb-23	1	Condition and Performance	Planned	A in MTEP18	13243	\$ 2,521,537.00	In-Service
Peterwell - Saratoga 138kV (X-43), Line Rebuild	Mar-23	Feb-23	1	Reliability, Economic	Planned	A in MTEP20	18017	\$ 25,547,040.00	In-Service
Roader SS Grounding Improvements	Dec-23	Feb-23	1	G-T Interconnection	Planned	A in MTEP22	22048	\$ 220,000.00	In-Service
Mauson SS, DIC, Substation Retirement		Mar-23	1	T-D Interconnection	Planned	A in MTEP22	14968	\$ 88,824.00	Update Cost Estimate
Waupaca Area Energy Storage Project	Mar-23	Apr-23	1	Operational Flexibility	Planned	A in MTEP19	15947	\$ 12,303,553.00	Updated ISD
J986 7 Mile Creek SS, Generator Interconnection Facilities and Network Upgrades	Dec-23	Sep-23	1	G-T Interconnection	Planned	A in MTEP21	20625	\$ 111,971,867	Updated ISD
Hilltop SS, Install 69kV Breakers	Dec-23	Nov-23	1	Condition and Performance	Planned	A in MTEP17	12031	\$ 1,200,000.00	Updated ISD
J1002 Wautoma SS Network Upgrades and Interconnection Facilities	Jan-23	Nov-23	1	G-T Interconnection	Planned	A in MTEP22	21812	\$ 3,246,667.00	Updated ISD
Port Edwards SS, DIC, Transformer Retirement	Dec-23	Dec-23	1	T-D Interconnection	Planned	A in MTEP22	14968	\$ 1,120,000.00	Updated ISD
Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild	Dec-23		1	Condition and Performance	Planned	A in MTEP18	10486	\$ 11,682,964.00	Updated Cost Estimate
Wautoma - Chaffee Creek 69kV (Y-49), Rebuild	Dec-23		1	Condition and Performance	Planned	A in MTEP18	7764	\$ 15,922,691.00	Updated Cost Estimate
Weston - Sherman Street, 115kV line (Z-52), uprate	Dec-23		1	Reliability	Planned	A in MTEP20	14909	\$ 1,300,000.00	Updated Cost Estimate
Chaffee Creek SS Grounding Improvements	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 220,000.00	
Hancock SS Grounding Improvements	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 220,000.00	
Hollywood SS Grounding Improvements	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 696,730.00	
Sand Lake SS Grounding Improvements	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 220,000.00	
Saratoga SS Grounding Improvements	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 672,154.00	
Wautoma SS - Port Edwards SS, 138kV (X-11), uprate	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 519,783.00	
Wautoma SS Grounding Improvements	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 220,000.00	
Wautoma SS Transformer Replacement	Dec-23		1	G-T Interconnection	Planned	A in MTEP22	21814	\$ 4,738,573.00	
Rocky Run Transformer Replacement	Dec-23	May-24	1	Reliability	Planned	A in MTEP22	21286	\$ 5,408,000.00	Updated ISD
Wittenberg SS, DIC Substation Retirement	Oct-23	Oct-24	1	T-D Interconnection	Planned	A in MTEP20	14907	\$ 105,000.00	Updated ISD / Updated Cost
Peterwell - Council Creek (X-40), OPGW Installation	Dec-24		1	Communication	Planned	A in MTEP21	19587	\$ 9,000,000.00	
Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild	Dec-24		1	Condition and Performance	Planned	A in MTEP18	7765	\$ 9,000,000.00	
Kelly SS, Replace Transformer	Dec-24		1	T-D Interconnection	Proposed	A in MTEP20	14907	\$ 150,000.00	Provisional to Proposed
Hodag SS DIC, Add Additional Transformer		Dec-24	1	T-D Interconnection	Provisional	A in MTEP23	24783	\$ 5,000,000.00	
Colburn SS, DIC, New Substation	Sep-25		1	T-D Interconnection	Provisional	B in MTEP23	23913	\$ 38,000,000.00	
Biramwood SS, DIC new substation	Dec-25		1	T-D Interconnection	Planned	A in MTEP18	15128	\$ 4,500,000.00	
McKenna - Castle Rock 69kV (Y-47), Rebuild	Dec-25		1	Condition and Performance	Planned	A in MTEP18	7763	\$ 10,740,000.00	
Saratoga SS - Control House and Breaker Asset Renewal	Dec-25		1	Condition and Performance	Planned	A in MTEP22	19525	\$ 8,200,000.00	
Tommy's Turnpike DIC, New Sub		Dec-25	1	T-D Interconnection	Provisional	A in MTEP23	24475	\$ 4,000,000.00	
Groener - Rosholt (ALTE) Tap, 69 kV (Y-71), Partial Rebuild and Rerate	Dec-26	Dec-25	1	Condition and Performance	Planned	A in MTEP23	21921	\$ 16,500,000.00	Updated ISD / Proposed to Planned / Updated Cost Estimate
Pittsville - Sgel 69 kV (Y-108), Rebuild	Dec-25		1	Condition and Performance	Provisional	B in MTEP22	21922	\$ 10,000,000.00	
J732 Superior SS Generator Interconnection Facilities and Network Upgrades	Feb-26		1	G-T Interconnection	Planned	A in MTEP21	19729	\$ 21,245,605.00	
Rocky Run SS T2 and T4 Power Transformer Replacement	Jun-26		1	Reliability	Proposed	A in MTEP23	24093	\$ 6,000,000.00	
Harrison Tap - Iola 69kV (Y-70), Rebuild & OPGW	Dec-26		1	Condition and Performance	Planned	A in MTEP23	23874	\$ 16,000,000.00	
North Central WI Reliability Project	Jun-27		1	Reliability	Proposed	A in MTEP23	22587	\$ 43,700,000.00	
Rocky Run - Werner West 345 kV (WERW141), Rebuild	Dec-28		1	Condition and Performance	Provisional	B in MTEP23	23839	\$ 130,000,000.00	
Pine - Skanawan Tap Structure (I-9), OPGW Addition & Partial Rebuild	Dec-25	Jun-30	1	Communication	Provisional	B in MTEP23	23841	\$ 17,000,000.00	Updated ISD / Updated to MTEP Appendix B / Updated Cost Estimate
Ontonagon - Victoria Hy 69kV (Ontonagon69) Reinsulate	Dec-24	Dec-23	2	Condition and Performance	Planned	A in MTEP22	21346	\$ 4,245,000.00	
Tilden SS, Control House Replacement and Breaker & Relay Asset Renewal	Dec-23	Jun-24	2	Condition and Performance	Planned	A in MTEP20	16488	\$ 6,554,000.00	
Western Marquette County DIC	Dec-24	Jun-24	2	T-D Interconnection	Planned	A in MTEP21	14968	\$ 3,200,000.00	
Eastern UP, new DIC	Jun-24	Jul-24	2	T-D Interconnection	Proposed	A in MTEP18	15130	\$ 10,000,000.00	Updated Cost Estimate
Marquette County Reactive Power Project	Nov-24		2	Reliability	Planned	A in MTEP21	19965	\$ 37,200,000.00	
Winona - Atlantic 69kV (Winona69), rebuild	Dec-24		2	Reliability	Planned	A in MTEP20	4727	\$ 35,500,000.00	
Empire SS, Control House Replacement and Breaker & Relay Asset Renewal	Dec-24		2	Condition and Performance	Planned	A in MTEP21	16489	\$ 9,900,000.00	
J1251 Summer Meadow Swt Station Network Upgrades and Interconnection Facilities		Jun-25	2	G-T Interconnection	Planned	A in MTEP23	24446	\$ 8,002,656.00	
Ontonagon County SS, DIC, New Substation		Jun-25	2	T-D Interconnection	Provisional	B in MTEP23	24800	\$ 4,100,000.00	
Delta County DIC Upgrades	Sep-25		2	T-D Interconnection	Provisional	B in MTEP23	23915	\$ 4,500,000.00	
Perch Lake- National 138kV (468) Partial Retirement Project	Nov-25	Nov-25	2	Reliability	Planned	A in MTEP23	23836	\$ 10,400,000.00	Updated ISD / Proposed to Planned
Munising Area Reactive Power Project	Dec-25		2	Reliability	Planned	A in MTEP22	19966	\$ 10,000,000.00	
National - Presque Isle (446) Re-Insulate & OPGW	Dec-25		2	Condition and Performance	Planned	A in MTEP22	21345	\$ 8,300,000.00	
North Lake SS - Transformer Asset Renewal	Dec-25		2	Condition and Performance	Planned	A in MTEP22	21627	\$ 4,221,065.00	
Portage St - 3 Mile 69 kV (6901/ESE_6902), Re-insulate & Underground Fiber	Dec-25		2	Condition and Performance	Planned	A in MTEP22	18049	\$ 5,400,000.00	
Blaney Park - Mich Limestone Quarry Tap 69 kV (6914), Partial Rebuild	Dec-25		2	Condition and Performance	Provisional	B in MTEP22	21919	\$ 4,000,000.00	
Chippewa County, DIC, Sub Expansion		Dec-25	2	T-D Interconnection	Provisional	B in MTEP23	24576	\$ 35,000,000.00	
Keel Ridge SS, new DIC	Jun-27	Dec-25	2	T-D Interconnection	Proposed	A in MTEP18	13792	\$ 8,894,678.00	Updated Cost Estimate
Chandler-Delta 69 kV (Delta1 and Escanaba1), Partial Rebuild and OPGW	Jun-26		2	Condition and Performance	Planned	A in MTEP23	21985	\$ 12,000,000.00	
9 Mile SW STA - Pine River 69kV (6921/23) Partial Rebuild	Dec-26		2	Condition and Performance	Provisional	B in MTEP19	16496	\$ 5,900,000.00	
Benson Lake SVC SCM Layer Asset Renewal	Dec-26		2	Condition and Performance	Planned	A in MTEP23	23856	\$ 4,500,000.00	
Cornell Tap - Watson Tap 69kV (Chandler), Partial Rebuild	Dec-26		2	Condition and Performance	Provisional	A in MTEP23	23876	\$ 30,000,000.00	
Pine River - Mich Limestone Loading Dock 69 kV (ESE_6906), Rebuild	Jun-27		2	Condition and Performance	Planned	A in MTEP22	21918	\$ 31,100,000.00	
North Lake - Greenstone 69kV (NLKY11), Rebuild	Dec-27		2	Condition and Performance	Provisional	B in MTEP22	21920	\$ 14,200,000.00	
Pine Hy Tap - Pine Hy 69kV (ASPY31-1), Rebuild & OPGW	Dec-27		2	Condition and Performance	Planned	A in MTEP23	23857	\$ 11,500,000.00	
Conover - Mass 69kV (6530) Partial rebuild	Dec-28		2	Condition and Performance	Provisional	B in MTEP19	16495	\$ 8,600,000.00	
McCue SS, Circuit Breaker Asset Renewal	Oct-22	Feb-23	3	Condition and Performance	Planned	A in MTEP19	14908	\$ 1,443,155.00	In-Service
J850 North Creek SS Generator Interconnection Facilities and Network Facilities	Nov-22	Mar-23	3	G-T Interconnection	Planned	A in MTEP20	19146	\$ 6,324,293.00	In-Service
Pfbaum SS, Asset Renewal	Dec-22	Mar-23	3	Condition and Performance	Planned	A in MTEP18	13768	\$ 1,399,906.00	In-Service
Dane - North Madison (Y-85), 69kV, rerate	Jan-23	Jan-23	3	Line Clearance	Planned	A in MTEP21	14966	\$ 237,184.62	In-Service
J1000 Comet SS Network Upgrades and Interconnection Facilities	Mar-23	Dec-23	3	G-T Interconnection	Planned	A in MTEP22	21648	\$ 6,693,598.00	Updated ISD
J1154 Crawfish River Solar Network Upgrades	May-23	Mar-23	3	G-T Interconnection	Planned	A in MTEP22	22047	\$ 2,343,684.00	In-Service
Bluff LNG SS, new DIC	Dec-22	Mar-23	3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 1,410,000.00	
Artesian SS, DIC - Terminal Connection		May-23	3	T-D Interconnection	Planned	A in MTEP23	20204	\$ 65,130.00	
Takay SS, DIC, Add Transformer	Jun-23	Dec-23	3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 700,000.00	Updated ISD / Updated Cost
J1003 North Beaver Dam SS Network Upgrades and Interconnection Facilities	Jun-23		3	G-T Interconnection	Planned	A in MTEP22	21813	\$ 1,031,386.00	
J947 Tenyson SS Generator Interconnection Facilities and Network Upgrades	Jul-23		3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 5,704,918.00	
Rock River SS Switch Replacement	Sep-23		3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 95,737.00	
J1042 North Lake Geneva SS Network Upgrades and Interconnection Facilities	Sep-23		3	G-T Interconnection	Planned	A in MTEP22	22105	\$ 1,407,357.00	
Hillman SS, Upgrade Transformer	Nov-23		3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 3,132,719.00	
Burlington - Sugar Creek, (6541), 138kV, line uprate	Nov-23		3	G-T Interconnection	Planned	A in MTEP22	22225	\$ 4,365,163.00	
J1460 Sunrise SS Network Upgrades and Interconnection Facilities		Dec-23	3	G-T Interconnection	Planned	A in MTEP23	24802	\$ 4,465,266.00	

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Sharon SS, DIC, New Substation	Dec-23		3	T-D Interconnection	Planned	A in MTEP21	14968	\$ 865,000.00	
Gateway - Sycamore (6902), 69kV, rebuild	Dec-23		3	Reliability	Planned	A in MTEP21	14964	\$ 3,516,000.00	
Cardinal - Hickory Creek 345kV, Line Construction	Dec-23		3	Reliability, Economic and Policy	Planned	A in MTEP11	3127	\$ 492,200,000.00	
Barneveld SS, DIC, new substation	Dec-23		3	T-D Interconnection	Planned	A in MTEP20	18052	\$ 13,134,000.00	
North Beaver Dam Ground Grid Upgrades	Dec-23		3	G-T Interconnection	Planned	A in MTEP22	22085	\$ 550,000.00	
Colley Road SS, Transformer Replacement and Asset Renewal	Dec-23	Mar-24	3	Condition and Performance	Planned	A in MTEP20	17585	\$ 5,575,000.00	
Sun Prairie Park, DIC, Substation Rebuild	Nov-23	May-24	3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 1,500,000.00	Updated ISD
Reedsburg DIC Substation and T-Line Retirements	Jun-24		3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 3,500,000.00	Updated ISD
Spring Green - Wick Drive (Y-170), 69kV, uprate	Jun-24		3	Reliability	Planned	A in MTEP21	14964	\$ 1,500,000.00	
Rock River SS, DIC, Additional Transformer		Jul-24	3	T-D Interconnection	Proposed	A in MTEP23	24473	\$ 2,902,740.00	
Johnstown SS, DIC, New Substation	May-24	Oct-24	3	T-D Interconnection	Planned	A in MTEP22	23520	\$ 6,063,398.00	
Bonnie Road, DIC, New Substation	Jun-23	Dec-24	3	T-D Interconnection	Planned	A in MTEP21	19806	\$ 3,504,413.00	
Rock County Reliability Project	Dec-24		3	Reliability	Proposed	A in MTEP22	20805	\$ 54,000,000.00	
Lancaster Transformer Replacement & Substation Rebuild	Dec-24		3	T-D Interconnection	Planned	A in MTEP21	20925	\$ 3,700,000.00	
Gaston Road SS, DIC, Additional Transformer	Dec-24		3	T-D Interconnection	Planned	A in MTEP22	22988	\$ 5,305,901.00	
Duck Creek SS, DIC, New Substation	Dec-24		3	T-D Interconnection	Planned	A in MTEP22	23007	\$ 5,580,432.00	Updated Cost Estimate
Vinburn Substation 69 kV Capacitor Addition	Dec-24		3	Reliability, Condition and Performance	Planned	A in MTEP22	22986	\$ 3,620,000.00	
J1374 Ebenezer SS Network Upgrades and Interconnection Facilities		Aug-24	3	G-T Interconnection	Planned	A in MTEP23	24445	\$ 1,577,013.00	
DPC Germantown Jct Tap, New T-T		Mar-25	3	T-D Interconnection	Provisional	A in MTEP23	24575	\$ 11,071,182.00	
Columbus SS, DIC, Transformer Replacement	Jun-24	Jun-25	3	T-D Interconnection	Planned	A in MTEP22	22989	\$ 15,690,577.00	
Huskamp - Ruskin (6937), Partial Rebuild	Jun-25		3	Condition and Performance	Planned	A in MTEP22	21347	\$ 7,900,000.00	
J1214 J1326 Rockdale SS Network Upgrades and Interconnection Facilities		Aug-25	3	G-T Interconnection	Planned	A in MTEP23	24613	\$ 4,069,937.00	
Manogue Rd SS DIC, New Substation		Aug-25	3	T-D Interconnection	Proposed	A in MTEP23	24737	\$ 7,091,074.00	
Academy - Columbus 69kV (Y-21), Rebuild	Dec-24	Dec-25	3	Condition and Performance	Planned	A in MTEP21	10590	\$ 8,800,000.00	
Darlington - Rock Branch 69kV (Y-109), Rebuild	Dec-25		3	Condition and Performance	Planned	A in MTEP22	18046	\$ 16,700,000.00	
Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW	Dec-25		3	Reliability, Condition and Performance	Planned	A in MTEP22	19962	\$ 16,300,000.00	
Rockdale and Christiana SS - Control House and Relay Asset Renewal	Dec-25	Dec-25	3	Condition and Performance	Planned	A in MTEP22	21628	\$ 5,800,000.00	
Rock Branch SS, Relay Replacement and Asset Renewal	Dec-25		3	Condition and Performance	Planned	A in MTEP22	16766	\$ 1,111,290.00	
Wick Drive - Black Earth (Y-62), OPGW Addition	Dec-25		3	Communication	Provisional	A in MTEP23	23858	\$ 4,872,473.00	
Stoughton SS, DIC, Substation Retirement	Dec-25		3	T-D Interconnection	Provisional	A in MTEP23	20204	\$ 50,000.00	Updated Cost Estimate
Walworth - Brick Church (Y-159) OPGW Addition		Dec-25	3	Communication	Provisional	A in MTEP23	24465	\$ 3,104,796.00	
Belleville SS, DIC, Substation Rebuild		Dec-25	3	T-D Interconnection	Planned	A in MTEP23	20204	\$ 2,689,139.00	
J1410 J1411 North Arlington Swt St MFPCA & Network Upgrades		Jun-26	3	G-T Interconnection	Planned	A in MTEP23	24758	\$ 21,988,404.00	
J1483 Hill Valley SS Network Upgrades and Interconnection Facilities		Sep-26	3	G-T Interconnection	Planned	A in MTEP23	24447	\$ 2,252,888.00	
J1377 Blitz SS Network Upgrades and Interconnection Facilities		Nov-26	3	G-T Interconnection	Planned	A in MTEP23	24799	\$ 14,574,360.00	
Brodhead SS, Breakers, Switches and RTU Asset Renewal		Dec-26	3	Condition and Performance	Planned	A in MTEP23	20201	\$ 1,807,500.00	
Grant County DIC, New Substation		Dec-26	3	T-D Interconnection	Provisional	B in MTEP23	24778	\$ 19,000,000.00	
South Beaver Dam - Hubbard, (Y-134), 69kV Rebuild & OPGW	Dec-26		3	Condition and Performance	Planned	A in MTEP22	18047	\$ 20,100,000.00	
South Monroe - Brownstone (Y-155), Partial Rebuild	Dec-26		3	Condition and Performance	Planned	A in MTEP22	21916	\$ 10,900,000.00	
Kirkwood SS, Power Transformer and Breaker Asset Renewal	Dec-26		3	Condition and Performance	Planned	A in MTEP23	19963	\$ 14,069,000.00	
McCue SS Control House and Relay Asset Renewal	Dec-26		3	Condition and Performance	Planned	A in MTEP23	23895	\$ 9,500,000.00	
North Beaver Dam SS Asset Renewal	Dec-26		3	Condition and Performance	Proposed	A in MTEP23	23903	\$ 16,100,000.00	Provisional to Proposed / Updated Cost Estimate
Madison Area Relay Projects	Dec-26		3	Condition and Performance	Proposed	A in MTEP23	23875	\$ 21,863,578.00	Provisional to Proposed / Updated Cost Estimate
Eden - Rock Branch 69kV (Y-106) Uprate	Dec-26		3	Condition and Performance	Provisional	A in MTEP23	23910	\$ 10,240,000.00	
Renewable Reinforcement Project	Dec-27		3	Reliability	Provisional	B in MTEP22	21905	\$ 50,000,000.00	
South Beaver Dam - North Beaver Dam, 69kV (Y-59) Line Rebuild	Dec-27		3	Condition and Performance	Planned	A in MTEP23	23904	\$ 12,000,000.00	Proposed to Planned / Updated Cost Estimate
Hillman - Darlington 138kV (X-14/X-101), Rebuild	Dec-28		3	Condition and Performance	Proposed	A in MTEP18	4726	\$ 28,500,000.00	
Rock Branch - Dodgeville 69kV (Y-35), Partial Rebuild	Dec-28		3	Condition and Performance	Provisional	--	--	\$ 10,300,000.00	
South Fond du Lac - Spring Brook 69kV (Y-133), Partial rebuild	Dec-30		3	Condition and Performance	Provisional	B in MTEP18	13739	\$ 17,000,000.00	
Walnut - Blount, new 69kV transmission line	Dec-31		3	Reliability	Provisional	B in MTEP21	1730	\$ 24,000,000.00	
Gran Grae SS, Install a second 161/69kV transformer	Dec-26	Dec-33	3	Reliability	Provisional	--	--	\$ 8,200,000.00	
J1171 Butternut SS Network Upgrades and Interconnection Facilities	Jan-23	Feb-23	4	G-T Interconnection	Planned	A in MTEP22	22146	\$ 3,918,722.00	In-Service
Howards Grove - Erdman 138kV, new line	Mar-23	Aug-23	4	Reliability	Planned	A in MTEP20	18568	\$ 28,480,980.00	Updated ISD
Stiles SS - West Marinette SS (M117/L142), OPGW Installation	Apr-23	Dec-23	4	Communication	Planned	A in MTEP19	15936	\$ 7,400,000.00	Updated ISD / Updated Cost
Finger Road SW STA - Wesmark 69kV (FIRY11), Rebuild	Apr-23	Mar-23	4	Condition and Performance	Planned	A in MTEP18	12134	\$ 14,814,880.00	In-Service
KC Paper SS DIC, Substation Rebuild	Nov-23	Apr-23	4	T-D Interconnection	Planned	A in MTEP21	14968	\$ 2,835,000.00	Updated
Northview SS DIC New Substation	Jun-23	May-23	4	T-D Interconnection	Planned	A in MTEP22	22987	\$ 3,220,000.00	
J1101 Kewaunee SS Network Upgrades and Interconnection Facilities	Aug-23		4	G-T Interconnection	Planned	A in MTEP22	22049	\$ 155,000.00	
Glenview SS, Transformer Retirement and Breaker & Relay Asset Renewal	Sep-23		4	Condition and Performance	Planned	A in MTEP20	18019	\$ 2,642,000.00	
Sunset Point - Bowen Street (E-5), 69kV, uprate	Dec-23		4	Reliability	Planned	A in MTEP21	14964	\$ 1,171,000.00	
East Krok - Beardsey, (EAKY11), 69kV, uprate	Dec-23		4	Reliability	Planned	A in MTEP21	14964	\$ 1,213,000.00	
Lost Dauphin - Red Maple 138kV (Q-147), uprate	Dec-23		4	Reliability	Planned	A in MTEP21	14964	\$ 989,000.00	
Anderson Creek SS, DIC New SS	Dec-23		4	T-D Interconnection	Planned	A in MTEP21	14968	\$ 3,227,000.00	
Wells St. DIC - new West Marinette-Wells St. 69 kV line	Jan-24		4	T-D Interconnection	Planned	A in MTEP21	19961	\$ 23,960,000.00	
Edgewater - Lodestar 138kV (X-48/Y-31), Underground cable rebuild	Dec-23	Mar-24	4	Condition and Performance	Planned	A in MTEP19	15925	\$ 5,376,000.00	Updated ISD / Updated Cost
Wesmark SS, Relay and Breakers	Apr-24		4	Condition and Performance	Planned	A in MTEP18	13747	\$ 2,373,000.00	
Woodenshoe SS, DIC, Transformer Replacement	Dec-23	May-24	4	T-D Interconnection	Planned	A in MTEP22	16770	\$ 1,500,000.00	Updated Cost Estimate
Sheboygan County SS, DIC, substation rebuild	Jun-24		4	T-D Interconnection	Planned	A in MTEP20	18051	\$ 6,715,315.00	
Butte Des Morts - Neevin 138kV (43021), Rebuild	Jun-24		4	Condition and Performance	Planned	A in MTEP17	12185	\$ 2,982,000.00	
Wesmark - Rapids 69kV (R-44), Rebuild	Oct-24	Jun-24	4	Condition and Performance	Planned	A in MTEP18	12135	\$ 33,400,000.00	Updated Cost Estimate
Crivitz SS - Transformer Replacement and Asset Renewal	Jul-24		4	Condition and Performance	Planned	A in MTEP21	19705	\$ 4,599,154.00	
Pioneer - Crivitz 138kV (E-83/B-2), retire 69kV and reconfigure load to 138kV	Dec-23	Aug-24	4	Condition and Performance	Planned	A in MTEP18	14926	\$ 10,950,000.00	
Kewaunee SS, 345kV Wavetrap Replacement		Oct-24	4	Reliability	Planned	A in MTEP23	20201	\$ 1,768,000.00	
Highway V - Preble 138 kV (X-154), reconductor	Dec-24		4	Reliability	Planned	A in MTEP21	20785	\$ 1,777,603.00	
North Appleton SS - Transformer Replacement and Asset Renewal	Dec-24		4	Condition and Performance	Planned	A in MTEP21	19706	\$ 7,938,249.00	
Eaton SS, new T-D Interconnection	Dec-24		4	T-D Interconnection	Planned	A in MTEP16	10484	\$ 2,500,000.00	
Fond du Lac County, New DIC	Dec-24		4	T-D Interconnection	Provisional	B in MTEP23	23916	\$ 8,000,000.00	
Danz Ave SW STA - University (WPS) 69kV (O-15), underground rebuild & OPGW	Dec-23	Apr-25	4	Condition and Performance	Planned	A in MTEP19	15924	\$ 35,000,000.00	
Pulliam SS, Transformer Retirement and Bus Reconfiguration	May-24	Apr-25	4	Condition and Performance	Planned	A in MTEP20	15930	\$ 6,436,000.00	Updated ISD
Edgewater SS, Bus Reconfiguration	Jun-24	Jun-25	4	Condition and Performance	Planned	A in MTEP18	13756	\$ 9,800,000.00	Updated ISD

Project Name	2022 Est. ISD Month - Year	2023 Est. ISD Month - Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Ellisville SS DIC, New Substation		Jun-25	4	T-D Interconnection	Provisional	A in MTEP23	24784	\$ 8,000,000.00	
Winnebago County, New DIC		Jul-25	4	T-D Interconnection	Provisional	B in MTEP23	24474	\$ 8,900,000.00	Updated Cost Estimate
Tower Dr – Pulliam (P-16/R-70), Partial Rebuild	Apr-24	Sep-25	4	Condition and Performance	Planned	A in MTEP22	21348	\$ 4,100,000.00	
Oak St - Hwy V 69kV (Z-26), Rebuild	Dec-25		4	Condition and Performance	Planned	A in MTEP18	12137	\$ 9,000,000.00	
Phlymouth #5 - New DIC	Dec-25		4	T-D Interconnection	Proposed	A in MTEP22	21925	\$ 41,100,000.00	Updated Cost Estimate
Fitzgerald SS – Transformer and Breaker Asset Renewal	Dec-25		4	Condition and Performance	Planned	A in MTEP22	21915	\$ 7,897,437.00	
West Marinette SS – Transformer and Breaker Asset Renewal	Dec-25		4	Condition and Performance	Planned	A in MTEP22	21917	\$ 8,962,353.00	
Shoto – Northeast 69kV (K-11), Rebuild	Dec-25		4	Condition and Performance	Provisional	A in MTEP23	23911	\$ 5,365,000.00	
Northeast - Revere Dr 69kV (C-103) Uprate or Rebuild	Dec-25	Dec-26	4	Condition and Performance	Provisional	A in MTEP23	23837	\$ 6,500,000.00	
Ohmstead SS Control House and Relay Asset Renewal	Dec-26		4	Condition and Performance	Planned	A in MTEP23	23897	\$ 5,700,000.00	
Shoto SS Power Transformer Asset Renewal	Dec-26		4	Condition and Performance	Planned	A in MTEP23	23901	\$ 6,150,000.00	
Waupun - South Fond du Lac 69kV, (Y-25) Partial Rebuild	Dec-26		4	Condition and Performance	Provisional	A in MTEP23	23905	\$ 22,600,000.00	
South Fond du Lac SS, Power Transformer and Breaker Asset Renewal	Dec-26		4	Condition and Performance	Planned	A in MTEP23	23906	\$ 9,500,000.00	Proposed to Planned / Updated Cost Estimate
High Falls – Mountain 69kV (Y-77), partial rebuild	Dec-26		4	Condition and Performance	Provisional	B in MTEP23	23838	\$ 31,000,000.00	
J1253 El Dorado SS Network Upgrades and Interconnection Facilities		Nov-27	4	G-T Interconnection	Planned	A in MTEP23	24801	\$ 16,941,147.00	
Aviation - North Fond du Lac 138kV (G111), Line Rebuild		Nov-27	4	G-T Interconnection	Planned	A in MTEP23	24801	\$ 26,434,797.00	
Ellinwood - Progress 138kV (X-50), Line Rebuild		Nov-27	4	G-T Interconnection	Planned	A in MTEP23	24801	\$ 3,207,076.00	
Progress - Aviation 138kV (X-50), Line Rebuild		Nov-27	4	G-T Interconnection	Planned	A in MTEP23	24801	\$ 3,878,149.00	
Valders SS, New 138/69 kV Substation	Dec-27		4	Reliability	Provisional	B in MTEP23	24296	\$ 17,800,000.00	
Mullett River Area Reliability Project	Dec-26	Dec-27	4	Reliability	Provisional	B in MTEP22	21900	\$ 25,000,000.00	
East Krok Transformer Replacement	Dec-26	Dec-27	4	Reliability, Condition and Performance	Provisional	A in MTEP23	23912	\$ 6,150,000.00	
Edgewater SS, DIC, replace transformer and substation rebuild	Dec-30		4	T-D Interconnection	Planned	A in MTEP18	15126	\$ 5,100,000.00	
Werner West – North Appleton 345 kV (NAPL31), Rebuild	Dec-30		4	Condition and Performance	Provisional	B in MTEP23	23840	\$ 55,000,000.00	
Summit - Cooney 138kV (6431), Rebuild	Mar-23	Feb-23	5	Condition and Performance	Planned	A in MTEP19	15457	\$ 6,412,214.00	In-Service
Range Line SW STA, Control House Replacement and Asset Renewal	Apr-23		5	Condition and Performance	Planned	A in MTEP19	15928	\$ 8,605,000.00	
Sussex to Bark River (46143/2661), 138kV, OPGW Installation	Nov-23		5	Communication	Planned	A in MTEP21	19959	\$ 3,051,000.00	
Kenosha SS, Breaker, Relay, RTU and Disconnect Asset Renewal	Nov-23		5	Condition and Performance	Planned	A in MTEP19	14909	\$ 3,200,000.00	
Lincoln - 43rd Street Terminal 138 kV (5053), Replace with double circuit duct bank and XLPE cable	Dec-24		5	Condition and Performance	Planned	A in MTEP21	18048	\$ 35,800,000.00	
Cottonwood - Summit Underground Fiber	Dec-24	Oct-24	5	Communication	Planned	A in MTEP22	23531	\$ 3,156,228.00	
Port Washington – Saukville 138 kV (X-132/X-133) partial rebuild	Jun-25	Dec-24	5	Condition and Performance / Reliability	Planned	A in MTEP22	21899	\$ 9,194,000.00	Updated Cost Estimate
Arcadian SS, Power Transformer and Control House Replacement and Asset Renewal	Jun-24	Jun-25	5	Condition and Performance / Reliability	Planned	A in MTEP20	16486	\$ 51,600,000.00	
Pleasant Prairie 345 kV Capacitor Bank Addition		Jun-25	5	Reliability	Provisional	A in MTEP23	24785	\$ 7,500,000.00	
Racine 345 kV Capacitor Bank Addition		Jun-25	5	Reliability	Provisional	A in MTEP23	24819	\$ 8,300,000.00	
Granville SS, Control House and Relay Replacement and Asset Renewal	Nov-25		5	Condition and Performance / Reliability	Planned	A in MTEP21	16490	\$ 40,577,000.00	
J1304 J1305 J1460 MPFCA Network Upgrades		Dec-25	5	G-T Interconnection	Planned	A in MTEP23	24782	\$ 4,930,697.00	
Everett GIS Asset Renewal	Dec-25		5	Condition and Performance	Planned	A in MTEP22	21923	\$ 16,776,970.00	Updated Cost Estimate
WisDOT I-94 Stadium Group of Projects	Dec-26		5	Condition and Performance	Proposed	A in MTEP22	23008	\$ 63,700,000.00	
Milwaukee Area Reactive Power Project	Dec-26		5	Reliability	Provisional	B in MTEP23	23873	\$ 30,000,000.00	
Harbor – Russel Terminal 138 kV (893K11), Rebuild	Dec-26		5	Condition and Performance	Proposed	A in MTEP22	21926	\$ 61,200,000.00	
Substation Switch Asset Renewal and Enhancements	Dec-24	Dec-26	Various	Condition and Performance	Planned	A in MTEP23	23902	\$ 5,032,000.00	Updated ISD / Updated Cost Estimate
Oak Creek, Racine SS and Remote Ends, Control Buildings and Relaying Asset Renewal	Dec-25	May-26	5	Condition and Performance	Planned	A in MTEP22	21629	\$ 31,352,034.00	Updated ISD / Updated Cost
Small Capital Project and Asset Renewal 2020	Dec-25	Dec-26	various	Condition and Performance	Planned	A in MTEP19	14908	\$ 35,906,079.00	Updated ISD
Physical Security 2020	Jun-24	Dec-24	various	Physical Security	Planned	A in MTEP19	14914	\$ 21,603,965.00	
Physical Security Current Cycle	Dec-24	Dec-25	various	Physical Security	Planned	A in MTEP18	13826	\$ 67,198,396.00	Updated ISD
Communication Reliability Program 2021	Jun-24	Dec-24	various	Communication	Planned	A in MTEP20	14911	\$ 10,927,208.00	
Small Capital Project and Asset Renewal Program 2021	Jun-24	Dec-25	various	Condition and Performance	Planned	A in MTEP20	14909	\$ 38,913,412.00	
Physical Security Program 2021	Jun-24	Dec-24	various	Physical Security	Planned	A in MTEP20	14915	\$ 17,908,909.00	
Load Interconnection Program 2021	Jun-24	Dec-26	various	T-D Interconnection	Planned	A in MTEP20	14907	\$ 20,124,594.00	Updated ISD
Communication Reliability Program 2022	Jun-25	Dec-25	various	Communication	Planned	A in MTEP21	14965	\$ 19,252,066.00	Updated ISD
Small Capital Project and Asset Renewal Program 2022	Jun-25	Dec-26	various	Condition and Performance	Planned	A in MTEP21	14964	\$ 52,320,773.00	Updated ISD
Line Clearance Mitigation Program 2022	Jun-25		various	Line Clearance	Planned	A in MTEP21	14966	\$ 2,832,841.00	
Physical Security Program 2022	Jun-25		various	Physical Security	Planned	A in MTEP21	14967	\$ 11,797,871.00	
Load Interconnection Program 2022	Jun-25		various	T-D Interconnection	Planned	A in MTEP21	14968	\$ 27,586,994.00	
Communication Reliability Program 2023	Jun-26		various	Communication	Planned	A in MTEP22	16767	\$ 19,593,713.00	
Small Capital Project and Asset Renewal Program 2023	Jun-26		various	Condition and Performance	Planned	A in MTEP22	16766	\$ 34,925,540.00	
Line Clearance Mitigation Program 2023	Jun-26		various	Line Clearance	Planned	A in MTEP22	16768	\$ 3,935,020.00	
Physical Security Program 2023	Jan-25		various	Physical Security	Planned	A in MTEP22	16769	\$ 1,859,619.00	
Load Interconnection Program 2023	Jun-26		various	T-D Interconnection	Planned	A in MTEP22	16770	\$ 18,045,914.00	
Small Capital Project and Asset Renewal Program 2024	Jun-26		various	Condition and Performance	Provisional	A in MTEP23	20201	\$ 25,000,000.00	Updated Cost Estimate
Communication Reliability Program 2024	Jun-26		various	Communication	Provisional	A in MTEP23	20202	\$ 10,000,000.00	Updated Cost Estimate
Load Interconnection 2024	Jun-25		various	T-D Interconnection	Provisional	A in MTEP23	20204	\$ 15,000,000.00	
Line Clearance Mitigation Program 2024	Jun-26		various	Line Clearance	Provisional	A in MTEP23	20203	\$ 10,000,000.00	
Small Capital Project and Asset Renewal Program 2025	Jun-28		various	Condition and Performance	Provisional	B in MTEP23	22798	\$ 55,000,000.00	
Communication Reliability Program 2025	Jun-28		various	Communication	Provisional	B in MTEP23	22799	\$ 10,800,000.00	
Load Interconnection 2025	Jun-28		various	T-D Interconnection	Provisional	B in MTEP23	22911	\$ 19,400,000.00	
Line Clearance Mitigation 2025	Jun-27		various	Line Clearance	Provisional	B in MTEP23	23951	\$ 10,000,000.00	

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LRTP-05: Tremval – Eau Claire – Jump River	Jun-28		1	LRTP	Planned	A in MTEP21	23372	\$ 39,500,000.00	
LRTP-06: Tremval – Rocky Run – Columbia	Jun-29		Z1, Z3	LRTP	Planned	A in MTEP21	23408	\$ 850,300,000.00	
Line Upgrade Work to Accommodate New Tremval Substation	Jun-28		1	LRTP	Planned	A in MTEP21	23371	\$ 2,300,000.00	
LEGEND									
No Shading = No change to project since previous Assessment									
Green Shading = Project In-Service									
Orange Shading = new project, was not in previous Assessment project list									
Gray Shading = Some Change has happened since the last posted list									
COMMONLY USED DEFINITIONS									
DIC - Distribution Interconnection					GIC - Generator Interconnection				
GIA - Generator Interconnection Agreement					MPFCA - Multi-Party Facility Agreement				
MISO MTEP Appendix - Indicates MTEP Cycle, Cycles MTEP22 and prior are Certified in MISOs' Regional Plan for A projects (BOLDED), MTEP23 and future cycles are not yet certified at the time of publication (1/2023).									