

Project Name	2021 Est. In-Service Year	2022 Est. ISD Month - Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Hilltop SS, Install 69kV Breakers	2022	Dec-23	1	Condition and Performance	Planned	<b>A in MTEP17</b>	12031	\$ 1,200,000.00	
Waupaca Area Energy Storage Project	2022	Dec-22	1	Operational Flexibility	Planned	<b>A in MTEP19</b>	15947	\$ 9,500,000.00	ISD Update
Waupaca SS, DIC, transformer addition	Jul-22		1	T-D Interconnection	Planned	<b>A in MTEP20</b>	18053	\$ 5,200,000.00	
Winneconne SS, Relay and Breaker Replacement	Dec-22		1	Condition and Performance	Planned	<b>A in MTEP18</b>	13243	\$ 2,900,000.00	
Maine - Hilltop 115kV line (U-11), uprate	2022	Oct-22	1	Reliability	Planned	<b>A in MTEP20</b>	14909	\$ 3,115,000.00	Cost Update
J986 7 Mile Creek SS, Generator Interconnection Facilities and Network Upgrades	2022	Jun-22	1	G-T Interconnection	Planned	<b>A in MTEP21</b>	20625	\$ 11,971,867	
Wittenberg SS, DIC Substation Retirement	Dec-22		1	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 89,000.00	
Port Edwards SS, DIC, Transformer Retirement	2022	Dec-22	1	T-D Interconnection	Planned	<b>A in MTEP21</b>	14968	\$ 1,120,000.00	
Petenwell - Saratoga 138kV (X-43), Line Rebuild	Mar-23		1	Reliability, Economic	Planned	<b>A in MTEP20</b>	18017	\$ 24,500,000.00	
Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild	Dec-23		1	Condition and Performance	Planned	<b>A in MTEP18</b>	10486	\$ 9,600,000.00	
Wautoma - Chaffee Creek 69kV (Y-49), Rebuild	Dec-23		1	Condition and Performance	Planned	<b>A in MTEP18</b>	7764	\$ 14,500,000.00	
J732 Superior SS Generator Interconnection Facilities and Network Upgrades	2023	Nov-23	1	G-T Interconnection	Planned	<b>A in MTEP21</b>	19729	\$ 21,245,605.00	
Weston - Sherman Street, 115kV line (Z-52), uprate	Dec-23		1	Reliability	Planned	<b>A in MTEP20</b>	14909	\$ 997,000.00	
Chaffee Creek SS Grounding Improvements	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	
Hancock SS Grounding Improvements	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	
Hollywood SS Grounding Improvements	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 696,730.00	
J1002 Wautoma SS Network Upgrades and Interconnection Facilities	Apr-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21812	\$ 3,246,667.00	
Roeder SS Grounding Improvements	Dec-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	22048	\$ 220,000.00	
Sand Lake SS Grounding Improvements	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	
Saratoga SS Grounding Improvements	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 672,154.00	
Wautoma SS - Port Edwards SS, 138kV (X-11), uprate	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 519,783.00	
Wautoma SS Grounding Improvements	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	
Wautoma SS Transformer Replacement	Oct-23		1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 4,738,573.00	
Rocky Run Transformer Replacement	Dec-23		1	Reliability	Planned	<b>A in MTEP22</b>	21286	\$ 5,408,000.00	
Birmamwood SS, DIC new substation	Dec-24		1	T-D Interconnection	Planned	<b>A in MTEP18</b>	15128	\$ 4,500,000.00	
Petenwell - Council Creek (X-40), OPGW Installation	2024	Dec-24	1	Communication	Planned	<b>A in MTEP21</b>	19587	\$ 9,000,000.00	
Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild	Dec-24		1	Condition and Performance	Planned	<b>A in MTEP18</b>	7765	\$ 9,000,000.00	
Kelly SS, Replace Transformer	Dec-24		1	T-D Interconnection	Provisional	<b>A in MTEP20</b>	14907	\$ 150,000.00	
McKenna - Castle Rock 69kV (Y-47), Rebuild	Dec-25		1	Condition and Performance	Planned	<b>A in MTEP18</b>	7763	\$ 10,740,000.00	
Saratoga SS - Control House and Breaker Asset Renewal	Dec-25		1	Condition and Performance	Planned	<b>A in MTEP22</b>	19525	\$ 8,200,000.00	Proposed to Planned
Pittsville - Sigel 69 kV (Y-108), Rebuild	Dec-25		1	Condition and Performance	Provisional	<b>B in MTEP22</b>	21922	\$ 10,000,000.00	
Rosholt (ATC) Tap - Rosholt (ALTE) SW STR 69 kV (Y-71), Partial Rebuild	Dec-26		1	Condition and Performance	Provisional	<b>B in MTEP22</b>	21921	\$ 8,100,000.00	
Mudwater SS, DIC, New Substation	Dec-30		1	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 391,500.00	
North Central WI Reliability Project		Jun-26	1	Reliability	Provisional	<b>B in MTEP22</b>	22587	\$ 33,600,000.00	
R1010 Weston Generation Replacement		May-23	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	22952	\$ -	
Mackinac - McGulpin 138kV (9901 and 9903), submarine cable replacement	Dec-21		2	Condition and Performance	Planned	<b>A in MTEP18</b>	15145	\$ 105,000,000.00	
Mackinac HVDC, System Control and Monitoring (SCM) Asset Renewal	Dec-22		2	Condition and Performance	Planned	<b>A in MTEP20</b>	18020	\$ 5,726,000.00	Cost Update
NLKG31 Tap - Greenstone 138kV, construct new transmission line	Oct-22		2	Condition and T-D Interconnection	Planned	<b>A in MTEP19</b>	15933	\$ 5,200,000.00	
Atlantic SS, 138/69kV Bus Reconfiguration and Transformer Addition	Dec-22	Dec-22	2	Operational Flexibility and Condition and Performance	Planned	<b>A in MTEP19</b>	7586	\$ 11,600,000.00	
Presque Isle - Tilden 138kV, Loop and Uprate	Jul-22		2	Reliability	Planned	<b>A in MTEP19</b>	15345	\$ 15,300,000.00	
Masonville SS, DIC, Substation Rebuild and Transformer Additions	Sep-22		2	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 2,244,500.00	
J849, Chandler SS, Interconnection Facilities and Network Upgrades	Apr-23		2	G-T Interconnection	Planned	<b>A in MTEP19</b>	16492	\$ 3,036,785.00	
Tilden SS, Control House Replacement and Breaker & Relay Asset Renewal	Dec-23		2	Condition and Performance	Planned	<b>A in MTEP20</b>	16488	\$ 5,880,000.00	
Central UP, new DIC	Dec-23		2	T-D Interconnection	Proposed	<b>A in MTEP18</b>	15133	\$ 6,200,000.00	
Western U.P. Stability Enhancement	2023	Dec-26	2	Reliability	Provisional	<b>B in MTEP22</b>	21903	\$ 20,000,000.00	
Winona - Atlantic 69kV (Winona69), rebuild	Dec-24		2	Reliability	Planned	<b>A in MTEP20</b>	4727	\$ 13,900,000.00	
Ontonagon - Victoria Hy 69kV (Ontonagon69) Reinsulate	Dec-24		2	Condition and Performance	Planned	<b>A in MTEP22</b>	21346	\$ 4,750,000.00	
Marquette County Reactive Power Project	2024	Jul-24	2	Reliability	Planned	<b>A in MTEP21</b>	19965	\$ 24,200,000.00	
Eastern UP, new DIC	Jun-24		2	T-D Interconnection	Proposed	<b>A in MTEP18</b>	15130	\$ 12,593,000.00	
Western Marquette County DIC	2024	Dec-23	2	T-D Interconnection	Proposed	<b>A in MTEP21</b>	14968	\$ 1,700,000.00	
Munising Area Reactive Power Project	2024	Dec-25	2	Reliability	Planned	<b>A in MTEP22</b>	19966	\$ 10,000,000.00	ISD Update
Empire SS, Control House Replacement and Breaker & Relay Asset Renewal	2024	Dec-24	2	Condition and Performance	Planned	<b>A in MTEP21</b>	16489	\$ 9,900,000.00	
National - Presque Isle (446) Re-insulate & OPGW	Dec-25		2	Condition and Performance	Planned	<b>A in MTEP22</b>	21345	\$ 8,300,000.00	
North Lake SS - Transformer Asset Renewal	Dec-25		2	Condition and Performance	Planned	<b>A in MTEP22</b>	21627	\$ 4,221,065.00	
9 mile SW STA - Portage (6901/6902), 69kV, Re-insulate	Dec-25		2	Condition and Performance	Provisional	<b>B in MTEP22</b>	18049	\$ 3,000,000.00	
9 Mile SW STA - Pine River 69kV (6921/23) Partial Rebuild	Dec-25		2	Condition and Performance	Provisional	<b>B in MTEP19</b>	16496	\$ 5,900,000.00	
Blaney Park - Mich Limestone Quarry Tap 69 kV (6914), Partial Rebuild	Dec-25		2	Condition and Performance	Provisional	<b>B in MTEP22</b>	21919	\$ 4,000,000.00	
North Lake - Greenstone 69kV (NLKY11), Rebuild	Dec-26		2	Condition and Performance	Provisional	<b>B in MTEP22</b>	21920	\$ 14,200,000.00	
Chandler - Delta 69 kV (Delta1), Partial Rebuild	Dec-26		2	Condition and Performance	Provisional	<b>B in MTEP22</b>	21985	\$ 6,500,000.00	
Keel Ridge SS, new DIC	Jun-27		2	T-D Interconnection	Proposed	<b>A in MTEP18</b>	13792	\$ 2,600,000.00	
Pine River - Mich Limestone Loading Dock 69 kV (ESE_6906), Rebuild	2027	Jun-27	2	Condition and Performance	Planned	<b>A in MTEP22</b>	21918	\$ 31,539,137.00	Provisional to Planned / Cost Update
Conover - Mass 69kV (6530) Partial rebuild	Dec-28		2	Condition and Performance	Provisional	<b>B in MTEP19</b>	16495	\$ 8,600,000.00	
Portage Industrial Park SS, DIC, replace transformers and substation rebuild	2021	Mar-22	3	T-D Interconnection	Planned	<b>A in MTEP18</b>	15127	\$ 1,636,000.00	In-Service
Waterloo SS, DIC, New 138kV Substation	2021	Dec-21	3	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 3,622,800.00	In-Service
LaMar SS - Sheepskin SS, 69kV (Y-61), rerate	2021	May-22	3	Line Clearance	Planned	<b>A in MTEP20</b>	14913	\$ 510,000.00	
Elkhorn - North Lake Geneva (X-55) 138 kV, uprate	May-22		3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 372,880.00	
Hillman SS Grounding System Upgrades	Dec-22		3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19248	\$ 181,784.00	
Spring Green SS Grounding System Upgrades	Dec-22		3	G-T Interconnection	Planned	<b>A in MTEP22</b>	22045	\$ 220,000.00	
Muscoda SS, DIC add 2nd transformer and substation rebuild	May-22	Mar-22	3	T-D Interconnection	Planned	<b>A in MTEP18</b>	15124	\$ 4,856,000.00	In-Service
McCue SS, Circuit Breaker Asset Renewal	2022	Sep-22	3	Condition and Performance	Planned	<b>A in MTEP19</b>	14908	\$ 1,920,000.00	ISD Update
Bass Creek - Town Line Road (X-95) 138kV, reconductor	Dec-22		3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 4,445,862.00	
Bristol - Elkhorn (X-81) 138 kV, uprate	Jun-22		3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 790,866.00	
J850 North Creek SS Generator Interconnection Facilities and Network Facilities	Dec-22		3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 6,324,293.00	
J864 Lone Rock SS Generator Interconnection Facilities and Network Upgrades	Jun-22		3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19225	\$ 1,767,400.00	
North Lake Geneva Tap - Burlington SS (6541) 138 kV, uprate	Jun-22		3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 1,232,351.00	
Green County, new DIC	Jun-22		3	T-D Interconnection	Planned	<b>A in MTEP18</b>	15129	\$ 3,083,000.00	Cost Update
South Beaver Dam - North Beaver Dam (Y-59), 69kV, uprate	Nov-22		3	Reliability	Planned	<b>A in MTEP20</b>	14909	\$ 498,000.00	Cost Update

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West Middleton - Stagecoach 69kV (6927), Partial Rebuild	Nov-22		3	Reliability	Planned	A in MTEP20	12175	\$ 3,820,000.00	
Nelson Dewey SS - Control House, Relay Asset Renewal	2022	Jun-22	3	Condition and Performance	Planned	A in MTEP21	19105	\$ 5,434,000.00	Cost Update
Pflaum SS, Asset Renewal	Dec-22		3	Condition and Performance	Planned	A in MTEP18	13768	\$ 1,552,000.00	Cost Update
J1188 Sheepskin SS Network Upgrades and Interconnection Facilities	Jun-22		3	G-T Interconnection	Planned	A in MTEP22	22046	\$ 1,129,461.00	
Bluff LNG SS, new DIC	Oct-22		3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 1,410,000.00	Cost Update
Dodgeville SS Grounding System Upgrades	2023	Dec-22	3	G-T Interconnection	Planned	A in MTEP20	19226	\$ 220,000.00	
Eden SS Grounding System Upgrades	2023	Dec-22	3	G-T Interconnection	Planned	A in MTEP20	19246	\$ 794,591.00	
Hill Valley SS Grounding System Upgrades	2023	Dec-22	3	G-T Interconnection	Planned	A in MTEP20	19246	\$ 611,927.00	
Hillman SS, Upgrade Transformer	Jun-23		3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 3,132,719.00	
J947 Tennyson SS Generator Interconnection Facilities and Network Upgrades	Jun-23		3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 5,756,434.00	
Rock River SS Switch Replacement	May-23		3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 95,737.00	
Colley Road SS, Transformer Replacement and Asset Renewal	2023	Dec-23	3	Condition and Performance	Planned	A in MTEP20	17585	\$ 4,900,000.00	
Gateway - Sycamore (6902), 69kV, rebuild	2023	Dec-23	3	Reliability	Planned	A in MTEP21	14964	\$ 2,900,000.00	
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	\$ 14,102,000.00	
Bonnie Road, DIC, New Substation	2023	Jun-23	3	T-D Interconnection	Planned	A in MTEP21	19806	\$ 3,504,413.00	
Tokay SS, DIC, Add Transformer	Jun-23		3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 500,000.00	
J1000 Comet SS Network Upgrades and Interconnection Facilities	Mar-23		3	G-T Interconnection	Planned	A in MTEP22	21648	\$ 6,693,598.00	
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	
J1154 Crawfish River Solar Network Upgrades	May-23		3	G-T Interconnection	Planned	A in MTEP22	22047	\$ 2,343,684.00	
Lancaster Transformer Replacement & Substation Rebuild	2023	Dec-23	3	T-D Interconnection	Planned	A in MTEP21	20925	\$ 3,700,000.00	
Madison Area Reactive Power Project	2023	Jun-24	3	Reliability	Provisional	A in MTEP22	22003	\$ 6,920,000.00	ISD Update / Cost Update
Sun Prairie Park, DIC, Substation Rebuild	May-23	Oct-23	3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 1,400,000.00	ISD Update
Sharon SS, DIC, New Substation	2023	Dec-23	3	T-D Interconnection	Planned	A in MTEP21	14968	\$ 790,000.00	
Academy - Columbus 69kV (Y-21), Rebuild	2024	Dec-24	3	Condition and Performance	Planned	A in MTEP21	10590	\$ 8,800,000.00	
Spring Green - Wick Drive (Y-170), 69kV, uprate	2024	Jun-24	3	Reliability	Planned	A in MTEP21	14964	\$ 1,500,000.00	
Rock County Reliability Project	2024	Dec-24	3	Reliability	Proposed	A in MTEP22	20805	\$ 49,721,000.00	
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	
Huskamp - Ruskin (6937), Partial Rebuild	Jun-25		3	Condition and Performance	Planned	A in MTEP22	21347	\$ 7,900,000.00	
Rockdale and Christiana SS - Control House and Relay Asset Renewal	2025	Dec-25	3	Condition and Performance	Planned	A in MTEP22	21628	\$ 5,800,000.00	
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	\$ 10,300,000.00	
Kirkwood SS, Control House, Transformer and Breaker Asset Renewal	Dec-26		3	Condition and Performance	Provisional	B in MTEP21	19963	\$ 7,571,000.00	
Renewable Reinforcement Project	Dec-27		3	Reliability	Provisional	B in MTEP22	21905	\$ 50,000,000.00	
Hillman - Darlington 138kV (X-14/X-101), Rebuild	Dec-28	Dec-28	3	Condition and Performance	Proposed	A in MTEP18	4726	\$ 28,500,000.00	Cost Update
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	
Nelson Dewey SS Grounding System Upgrades	Dec-22		3	G-T Interconnection	Planned	A in MTEP20	19267	\$ 537,753.00	
Gran Grae SS, Install a second 161/69kV transformer	Dec-26		3	Reliability	Provisional	---	---	\$ 8,200,000.00	
North Beaver Dam Ground Grid Upgrades		Dec-23	3	G-T Interconnection	Planned	A in MTEP22	22085	\$ 550,000.00	
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	
Burlington - Sugar Creek, (6541), 138kV, line uprate	Nov-23		3	G-T Interconnection	Planned	A in MTEP22	22225	\$ 4,365,163.00	
Dane - North Madison (Y-85), 69kV, rerate	Jan-23		3	Line Clearance	Planned	A in MTEP21	14966	\$ 458,000.00	
Sun Prairie SS Replace Circuit Switcher	Feb-22		3	Reliability - Condition & Performance	Planned	A in MTEP20	14909	\$ 889,100.00	Cost Update
Columbus SS, DIC, Transformer Replacement	Jun-24		3	T-D Interconnection	Provisional	A in MTEP22	22989	\$ 8,000,000.00	
Gaston Road SS, DIC, Additional Transformer	Dec-24		3	T-D Interconnection	Provisional	A in MTEP22	22988	\$ 3,000,000.00	
Cambria SS, DIC, New Substation	Dec-24		3	T-D Interconnection	Provisional	A in MTEP22	23007	\$ 3,000,000.00	
Stoughton SS, DIC, Substation Retirement	Dec-25		3	T-D Interconnection	Provisional	A in MTEP 23	20204	\$ 50,000.00	
Vinburn Substation 69 kV Capacitor Addition	Dec-24		3	Reliability	Proposed	A in MTEP22	22986	\$ 3,620,000.00	
J1153 Holland SS Network Upgrades and Interconnection Facilities		Jun-22	4	G-T Interconnection	Planned	A in MTEP22	22145	\$ 8,442,107.00	
J1171 Butternut SS Network Upgrades and Interconnection Facilities		Dec-23	4	G-T Interconnection	Planned	A in MTEP22	22146	\$ 3,918,722.00	
Kewaunee SS, Retire Transformer	Jul-22		4	Condition and Performance	Planned	A in MTEP20	14909	\$ 1,400,000.00	
Bayport - Pioneer 138kV, rebuild as a double-circuit	Dec-22	91/2022	4	Condition and Performance	Planned	A in MTEP18	14706	\$ 47,416,000.00	ISD Update
Edgewater SS, Bus Reconfiguration	Jun-22		4	Condition and Performance	Planned	A in MTEP18	13756	\$ 9,800,000.00	
Erdman SS, Transformer and Breaker Asset Renewal	Feb-22	Jan-22	4	Condition and Performance	Planned	A in MTEP19	15931	\$ 1,814,000.00	In-Service
Finger Rd - Danz 69kV (L-64), Rebuild	Aug-22		4	Condition and Performance	Planned	A in MTEP18	12141	\$ 8,196,000.00	Cost Update
New Holstein - Custer 69kV (P-68), Rebuild	2022	Sep-22	4	Condition and Performance	Planned	A in MTEP18	7584	\$ 28,823,000.00	Cost Update
Bayridge SS, new T-D Interconnection	Jun-22		4	T-D Interconnection	Planned	A in MTEP16	10485	\$ 2,122,335.00	
Preble SS, DIC, add 4th transformer and substation rebuild	May-22	Mar-22	4	T-D Interconnection	Planned	A in MTEP20	17628	\$ 3,811,000.00	In-Service
Howards Grove - Erdman 138kV, new line	Dec-22	Mar-23	4	Reliability	Planned	A in MTEP20	18568	\$ 28,480,980.00	ISD Update / Proposed to Planned / Cost Update
Butte Des Morts - Sunset Point 138kV, Rebuild	Jun-23		4	Condition and Performance	Planned	A in MTEP17	12185	\$ 24,493,395.00	Cost Update
Pioneer - Crivitz 138kV (E-83/B-2), retire 69kV and reconfigure load to 138kV	2023	Dec-23	4	Condition and Performance	Planned	A in MTEP18	14926	\$ 17,200,000.00	
Pulliam SS, Transformer Retirement and Bus Reconfiguration	Aug-23		4	Condition and Performance	Planned	A in MTEP20	15930	\$ 4,000,000.00	
Stiles SS - West Marinette SS (M117/L142), OPGW Installation	Apr-23		4	Communication	Planned	A in MTEP19	15936	\$ 5,496,000.00	Cost Update
Danz Ave SW STA - University (WPS) 69kV (O-15), underground rebuild & OPGW	Dec-23		4	Condition and Performance	Planned	A in MTEP19	15924	\$ 14,800,000.00	
Edgewater - Lodestar 138kV (X-48/Y-31), Underground cable rebuild	Dec-23		4	Condition and Performance	Planned	A in MTEP19	15925	\$ 3,800,000.00	
Finger Road SW STA - Wesmark 69kV (FIRY11), Rebuild	Apr-23		4	Condition and Performance	Planned	A in MTEP18	12134	\$ 14,400,000.00	
Glenview SS, Transformer Retirement and Breaker & Relay Asset Renewal	Oct-23		4	Condition and Performance	Planned	A in MTEP20	18109	\$ 2,642,000.00	Cost Update
East Krok - Beardsley, (EAKY11), 69kV, uprate	2023	Dec-23	4	Reliability	Planned	A in MTEP21	14964	\$ 2,300,000.00	
Lost Dauphin - Red Maple 138kV (Q-147), uprate	2023	Dec-23	4	Reliability	Planned	A in MTEP21	14964	\$ 635,000.00	
Sheboygan County SS, DIC, substation rebuild	Jun-23		4	T-D Interconnection	Planned	A in MTEP20	18051	\$ 6,200,000.00	
J1101 Kewaunee SS Network Upgrades and Interconnection Facilities	Aug-23		4	G-T Interconnection	Planned	A in MTEP22	22049	\$ 155,000.00	

Project Name	2021 Est. In-Service Year	2022 Est. ISD Month - Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Highway V - Preble 138 kV (X-154), reconductor	2023	May-23	4	Reliability	Planned	<b>A in MTEP21</b>	20785	\$ 1,777,603.00	
Sunset Point - Bowen Street (E-5), 69kV, Uprate	2023	Dec-23	4	Reliability	Planned	<b>A in MTEP21</b>	14964	\$ 699,055.00	
Wells St. DIC - new West Marinette-Wells St. 69 kV line	2023	Jan-24	4	T-D Interconnection	Planned	<b>A in MTEP21</b>	19961	\$ 23,960,000.00	Proposed to Planned
Northview SS DIC New Substation	Jun-23		4	T-D Interconnection	Planned	<b>A in MTEP22</b>	22987	\$ 3,220,000.00	MTEP Id Update / Cost Update
Anderson Creek SS, DIC New SS	2023	Dec-23	4	T-D Interconnection	Planned	<b>A in MTEP21</b>	14968	\$ 2,967,000.00	
Wesmark SS, Relay and Breakers	Apr-24		4	Condition and Performance	Planned	<b>A in MTEP18</b>	13747	\$ 2,373,000.00	Cost Update
Henry St. SS, DIC, Retire Substation	Dec-24		4	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 96,000.00	
Crivitz SS - Transformer Replacement and Asset Renewal	2024	Dec-24	4	Condition and Performance	Planned	<b>A in MTEP21</b>	19705	\$ 4,599,154.00	
North Appleton SS - Transformer Replacement and Asset Renewal	2024	Dec-24	4	Condition and Performance	Planned	<b>A in MTEP21</b>	19706	\$ 7,938,249.00	
Wesmark - Rapids 69kV (R-44), Rebuild	Oct-24		4	Condition and Performance	Planned	<b>A in MTEP18</b>	12135	\$ 21,500,000.00	
Eaton SS, new T-D Interconnection	Dec-24		4	T-D Interconnection	Planned	<b>A in MTEP16</b>	10484	\$ 2,500,000.00	
Tower Dr - Pulliam (P-16/R-70), Partial Rebuild	Apr-24		4	Condition and Performance	Planned	<b>A in MTEP22</b>	21348	\$ 4,100,000.00	
Edgewater SS, DIC, replace transformer and substation rebuild	Dec-25		4	T-D Interconnection	Planned	<b>A in MTEP18</b>	15126	\$ 5,100,000.00	
Oak St - Hwy V 69kV (Z-26), Rebuild	Dec-25		4	Condition and Performance	Planned	<b>A in MTEP18</b>	12137	\$ 9,000,000.00	
Phymouth #5 - New DIC	Dec-25		4	T-D Interconnection	Provisional	<b>A in MTEP22</b>	21925	\$ 21,500,000.00	
Fitzgerald SS - Transformer and Breaker Asset Renewal	2025	Dec-25	4	Condition and Performance	Planned	<b>A in MTEP22</b>	21915	\$ 7,897,437.00	
West Marinette SS - Transformer and Breaker Asset Renewal	2025	Dec-25	4	Condition and Performance	Planned	<b>A in MTEP22</b>	21917	\$ 8,962,353.00	Proposed to Planned / Cost Update
New Holstein Area Reliability Project	Dec-25		4	Reliability	Provisional	<b>B in MTEP22</b>	21900	\$ 10,000,000.00	
Barton - Auburn 138kV (9752), Partial Rebuild	2022	Nov-22	5	Condition and Performance	Planned	<b>A in MTEP18</b>	13743	\$ 8,500,000.00	
Range Line SW STA, Control House Replacement and Asset Renewal	Dec-22		5	Condition and Performance	Planned	<b>A in MTEP19</b>	15928	\$ 9,400,000.00	
St. Lawrence - Barton 138kV (8032), Partial Rebuild	2022	Apr-22	5	Condition and Performance	Planned	<b>A in MTEP18</b>	13735	\$ 9,120,000.00	
Berryville SS Grounding System Upgrades	Dec-22		5	G-T Interconnection	Planned	<b>A in MTEP20</b>	18985	\$ 328,807.00	
J850/J878 Paris SS, new 345/138kV transformer	Dec-22		5	G-T Interconnection	Planned	<b>A in MTEP20</b>	18985	\$ 24,972,611.00	
J878 Paris SS Generator Interconnection Facilities and Network Upgrades	Sep-22		5	G-T Interconnection	Planned	<b>A in MTEP20</b>	19265	\$ 1,973,438.00	
Paris SS Grounding System Upgrades	Sep-22		5	G-T Interconnection	Planned	<b>A in MTEP20</b>	19265	\$ 380,402.00	
Germanstown SS DIC, Install additional transformer	Apr-22		5	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 2,233,600.00	Cost Update
Summit - Cooney 138kV (6431), Rebuild	Mar-23		5	Condition and Performance	Planned	<b>A in MTEP19</b>	15457	\$ 6,550,000.00	
Sussex to Bark River (46143/2661), 138kV, OPGW Installation	2023	Dec-23	5	Communication	Planned	<b>A in MTEP21</b>	19959	\$ 3,766,000.00	
Kenosha SS, Breaker, Relay, RTU and Disconnect Asset Renewal	Dec-23		5	Condition and Performance	Planned	<b>A in MTEP19</b>	14909	\$ 1,878,000.00	
Arcadian SS, Power Transformer and Control House Replacement and Asset Renewal	Dec-23		5	Condition and Performance / Reliability	Planned	<b>A in MTEP20</b>	16486	\$ 40,000,000.00	
Lincoln - 43rd Street Terminal 138 kV (5053), Replace with double circuit duct bank and XLPE cable	2024	Dec-24	5	Condition and Performance	Planned	<b>A in MTEP21</b>	18048	\$ 35,800,000.00	
Granville SS, Control House and Relay Replacement and Asset Renewal	2024	Dec-24	5	Condition and Performance / Reliability	Proposed	<b>A in MTEP21</b>	16490	\$ 28,950,000.00	
Everett GIS Asset Renewal	2025	Dec-25	5	Condition and Performance	Planned	<b>A in MTEP22</b>	21923	\$ 16,968,398.00	
Norwich - Harbor 138kV (893K11), underground line replacement	Dec-25	Dec-26	5	Condition and Performance	Provisional	<b>A in MTEP22</b>	21926	\$ 37,000,000.00	
Oak Creek, Racine SS and Remote Ends, Control Buildings and Relaying Asset Renewal	2025	Dec-25	5	Condition and Performance	Planned	<b>A in MTEP22</b>	21629	\$ 20,900,000.00	Proposed to Planned
Port Washington - Saukville 138 kV (X-132/X-133) partial rebuild	2025	Jun-25	5	Condition and Performance / Reliability	Planned	<b>A in MTEP22</b>	21899	\$ 7,000,000.00	Proposed to Planned
Branch SS, Relay Replacement and Asset Renewal	2025	Dec-25	5	Condition and Performance	Planned	<b>A in MTEP22</b>	16766	\$ 1,111,290.00	Cost Update
WisDOT I-94 Stadium Group of Projects		Dec-26	5	Condition and Performance	Provisional	<b>A in MTEP22</b>	23008	\$ 63,700,000.00	
Small Capital Project and Asset Renewal Current Cycle	Nov-22		various	Condition and Performance	Planned	<b>A in MTEP18</b>	13821	\$ 38,457,451.00	
Communication Reliability Upgrades 2019	Jun-22		various	Communication	Planned	<b>A in MTEP18</b>	13829	\$ 1,422,500.00	
Small Capital Project and Asset Renewal 2019	Jun-22		various	Condition and Performance	Planned	<b>A in MTEP18</b>	13822	\$ 8,007,814.00	
Line Clearance Mitigation Project 2019	Jun-22		various	Line Clearance	Planned	<b>A in MTEP18</b>	13825	\$ 5,832,204.00	
Physical Security 2019	Jun-22		various	Physical Security	Planned	<b>A in MTEP18</b>	13828	\$ 3,000,000.00	
Distribution Interconnection 2019	Nov-21	Nov-21	various	T-D Interconnection	Planned	<b>A in MTEP18</b>	14905	\$ 10,570,000.00	In-Service
Communication Reliability Upgrades 2020	Jun-23		various	Communication	Planned	<b>A in MTEP19</b>	14910	\$ 11,344,615.00	
Small Capital Project and Asset Renewal 2020	Jun-23		various	Condition and Performance	Planned	<b>A in MTEP19</b>	14908	\$ 35,906,079.00	
Line Clearance Mitigation Project 2020	Jun-23		various	Line Clearance	Planned	<b>A in MTEP19</b>	14912	\$ 12,062,247.00	
Physical Security 2020	Jun-23		various	Physical Security	Planned	<b>A in MTEP19</b>	14914	\$ 21,603,965.00	
Load Interconnection 2020	Jun-23	Sep-22	various	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 26,774,954.00	ISD Update
Physical Security Current Cycle	Dec-24		various	Physical Security	Planned	<b>A in MTEP18</b>	13826	\$ 67,198,396.00	
Communication Reliability Program 2021	Jun-24		various	Communication	Planned	<b>A in MTEP20</b>	14911	\$ 10,927,208.00	
Small Capital Project and Asset Renewal Program 2021	Jun-24		various	Condition and Performance	Planned	<b>A in MTEP20</b>	14909	\$ 38,913,412.00	
Line Clearance Mitigation Program 2021	Jun-24		various	Line Clearance	Planned	<b>A in MTEP20</b>	14913	\$ 3,791,502.00	
Physical Security Program 2021	Jun-24		various	Physical Security	Planned	<b>A in MTEP20</b>	14915	\$ 17,908,909.00	
Load Interconnection Program 2021	Jun-24		various	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 20,124,594.00	
Communication Reliability Program 2022	Jun-25		various	Communication	Planned	<b>A in MTEP21</b>	14965	\$ 19,252,066.00	
Small Capital Project and Asset Renewal Program 2022	Jun-25		various	Condition and Performance	Planned	<b>A in MTEP21</b>	14964	\$ 52,320,773.00	
Line Clearance Mitigation Program 2022	Jun-25		various	Line Clearance	Planned	<b>A in MTEP21</b>	14966	\$ 2,832,841.00	
Physical Security Program 2022	Jun-25		various	Physical Security	Planned	<b>A in MTEP21</b>	14967	\$ 11,797,871.00	
Load Interconnection Program 2022	Jun-25		various	T-D Interconnection	Planned	<b>A in MTEP21</b>	14968	\$ 27,586,994.00	
Communication Reliability Program 2023	2026	Jun-26	various	Communication	Proposed	<b>A in MTEP22</b>	16767	\$ 7,000,000.00	
Small Capital Project and Asset Renewal Program 2023	2026	Jun-26	various	Condition and Performance	Proposed	<b>A in MTEP22</b>	16766	\$ 65,000,000.00	
Line Clearance Mitigation Program 2023	2026	Jun-26	various	Line Clearance	Proposed	<b>A in MTEP22</b>	16768	\$ 4,000,000.00	
Physical Security Program 2023	2026	Jan-25	various	Physical Security	Proposed	<b>A in MTEP22</b>	16769	\$ 1,800,000.00	
Load Interconnection Program 2023	2026	Jun-26	various	T-D Interconnection	Proposed	<b>A in MTEP22</b>	16770	\$ 25,000,000.00	

Project Name	2021 Est. In-Service Year	2022 Est. ISD Month - Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Small Capital Project and Asset Renewal Program 2024		Jun-27	various	Condition and Performance	Provisional	A in MTEP23	20201	\$ 68,770,000.00	
Communication Reliability Program 2024		Jun-27	various	Communication	Provisional	A in MTEP23	20202	\$ 7,000,000.00	
Load Interconnection 2024		Jun-27	various	T-D Interconnection	Provisional	A in MTEP23	20204	\$ 33,500,000.00	
Line Clearance Mitigation Program 2024		Jun-27	various	Line Clearance	Provisional	A in MTEP23	20203	\$ 2,000,000.00	
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	

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 MTEP20 and prior are Certified in MISOs' Regional Plan for A projects (BOLDED), MTEP22 and future cycles are not yet certified at the time of publication (1/2022).
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