

Project Name	2021 Est. In-Service Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Caroline SS, Transformer (T31) 69kV Breaker and Relay Asset Renewals	2021	1	Condition and Performance	Planned	<b>A in MTEP18</b>	14986	\$ 4,500,000.00	
Whitcomb SS, Transformer (T31) 69kV Breaker Asset Renewals	2021	1	Condition and Performance	Planned	<b>A in MTEP18</b>	14987	\$ 5,500,000.00	
Birnamwood SS, DIC replace transformer and substation rebuild	2021	1	T-D Interconnection	Planned	<b>A in MTEP18</b>	15128	\$ 130,000.00	
Pine SS, DIC, Transformer Replacement	2021	1	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 165,000.00	
Brooks Corners SS, DIC, Transformer Addition	2021	1	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 478,000.00	In-Service
Hilltop SS, Install 69kV Breakers	2022	1	Condition and Performance	Planned	<b>A in MTEP17</b>	12031	\$ 1,200,000.00	
Waupaca Area Energy Storage Project	2022	1	Operational Flexibility	Planned	<b>A in MTEP19</b>	15947	\$ 8,071,000.00	
Waupaca SS, DIC, transformer addition	2022	1	T-D Interconnection	Planned	<b>A in MTEP20</b>	18053	\$ 5,200,000.00	
Winneconne SS, Relay and Breaker Replacement	2022	1	Condition and Performance	Planned	<b>A in MTEP18</b>	13243	\$ 2,900,000.00	
Maine - Hilltop 115kV line (U-11), uprate	2022	1	Reliability	Planned	<b>A in MTEP20</b>	14909	\$ 835,000.00	
J986 7 Mile Creek SS, Generator Interconnection Facilities and Network Upgrades	2022	1	G-T Interconnection	Planned	<b>A in MTEP21</b>	20625	\$ 17,564,028.00	Provisional to Planned / Expected MTEP21 Target A Approval / Updated Cost
Wittenburg SS, DIC Substation Retirement	2022	1	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 89,000.00	
Port Edwards SS, DIC, Transformer Retirement	2022	1	T-D Interconnection	Planned	<b>A in MTEP21</b>	14968	\$ 1,120,000.00	
Petenwell - Saratoga 138kV (X-43), Line Rebuild	2023	1	Reliability, Economic	Planned	<b>A in MTEP20</b>	18017	\$ 24,500,000.00	
Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild	2023	1	Condition and Performance	Planned	<b>A in MTEP18</b>	10486	\$ 9,600,000.00	
Wautoma - Chaffee Creek 69kV (Y-49), Rebuild	2023	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	1	G-T Interconnection	Planned	<b>A in MTEP21</b>	19729	\$ 21,245,605.00	Expected MTEP21 Target A Approval
Weston - Sherman Street, 115kV line (Z-52), uprate	2023	1	Reliability	Planned	<b>A in MTEP20</b>	14909	\$ 997,000.00	
Chaffee Creek SS Grounding Improvements	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	Target A in MTEP22
Hancock SS Grounding Improvements	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	Target A in MTEP22
Hollywood SS Grounding Improvements	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 696,730.00	Target A in MTEP22
J1002 Wautoma SS Network Upgrades and Interconnection Facilities	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21812	\$ 3,246,667.00	Target A in MTEP22
Roeder SS Grounding Improvements	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	22048	\$ 220,000.00	Target A in MTEP22
Sand Lake SS Grounding Improvements	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	Target A in MTEP22
Saratoga SS Grounding Improvements	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 672,154.00	Target A in MTEP22
Wautoma SS - Port Edwards SS, 138kV (X-11), uprate	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 519,783.00	Target A in MTEP22
Wautoma SS Grounding Improvements	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 220,000.00	Target A in MTEP22
Wautoma SS Transformer Replacement	2023	1	G-T Interconnection	Planned	<b>A in MTEP22</b>	21814	\$ 4,738,573.00	Target A in MTEP22
Rocky Run Transformer Replacement	2023	1	Reliability	Planned	<b>A in MTEP22</b>	21286	\$ 5,408,000.00	Target A in MTEP22
Birnamwood SS, DIC new substation	2024	1	T-D Interconnection	Planned	<b>A in MTEP18</b>	15128	\$ 4,500,000.00	
Petenwell - Council Creek (X-40), OPGW Installation	2024	1	Communication	Planned	<b>A in MTEP21</b>	19587	\$ 9,000,000.00	Expected MTEP21 Target A Approval
Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild	2024	1	Condition and Performance	Planned	<b>A in MTEP18</b>	7765	\$ 9,000,000.00	
Kelly SS, Replace Transformer	2024	1	T-D Interconnection	Provisional	<b>A in MTEP20</b>	14907	\$ 150,000.00	
McKenna - Castle Rock 69kV (Y-47), Rebuild	2025	1	Condition and Performance	Planned	<b>A in MTEP18</b>	7763	\$ 10,740,000.00	
Saratoga SS - Control House and Breaker Asset Renewal	2025	1	Condition and Performance	Proposed	<b>A in MTEP22</b>	19525	\$ 8,200,000.00	Updated Cost
Pittsville - Sigel 69 kV (Y-108), Rebuild	2025	1	Condition and Performance	Provisional	<b>B in MTEP22</b>	21922	\$ 10,000,000.00	Target B in MTEP22
Rosholt (ATC) Tap - Rosholt (ALTE) SW STR 69 kV (Y-71), Partial Rebuild	2026	1	Condition and Performance	Provisional	<b>B in MTEP22</b>	21921	\$ 8,100,000.00	Target B in MTEP22
Mudwater SS, DIC, New Substation	2030	1	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 391,500.00	Updated ISY
Distribution Interconnection Current Cycle	2021	various	T-D Interconnection	Planned	<b>A in MTEP18</b>	14904	\$ 6,436,258.00	
Small Capital Project and Asset Renewal Current Cycle	2022	various	Condition and Performance	Planned	<b>A in MTEP18</b>	13821	\$ 38,457,451.00	
Communication Reliability Upgrades 2019	2022	various	Communication	Planned	<b>A in MTEP18</b>	13829	\$ 1,422,500.00	
Small Capital Project and Asset Renewal 2019	2022	various	Condition and Performance	Planned	<b>A in MTEP18</b>	13822	\$ 8,007,814.00	
Line Clearance Mitigation Project 2019	2022	various	Line Clearance	Planned	<b>A in MTEP18</b>	13825	\$ 5,832,204.00	
Physical Security 2019	2022	various	Physical Security	Planned	<b>A in MTEP18</b>	13828	\$ 3,000,000.00	
Distribution Interconnection 2019	2022	various	T-D Interconnection	Planned	<b>A in MTEP18</b>	14905	\$ 10,570,000.00	
Communication Reliability Upgrades 2020	2023	various	Communication	Planned	<b>A in MTEP19</b>	14910	\$ 11,344,615.00	
Small Capital Project and Asset Renewal 2020	2023	various	Condition and Performance	Planned	<b>A in MTEP19</b>	14908	\$ 35,906,079.00	
Line Clearance Mitigation Project 2020	2023	various	Line Clearance	Planned	<b>A in MTEP19</b>	14912	\$ 12,062,247.00	
Physical Security 2020	2023	various	Physical Security	Planned	<b>A in MTEP19</b>	14914	\$ 21,603,965.00	
Load Interconnection 2020	2023	various	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 26,774,954.00	
Physical Security Current Cycle	2024	various	Physical Security	Planned	<b>A in MTEP18</b>	13826	\$ 67,198,396.00	
Communication Reliability Program 2021	2024	various	Communication	Planned	<b>A in MTEP20</b>	14911	\$ 10,927,208.00	
Small Capital Project and Asset Renewal Program 2021	2024	various	Condition and Performance	Planned	<b>A in MTEP20</b>	14909	\$ 38,913,412.00	
Line Clearance Mitigation Program 2021	2024	various	Line Clearance	Planned	<b>A in MTEP20</b>	14913	\$ 3,791,502.00	
Physical Security Program 2021	2024	various	Physical Security	Planned	<b>A in MTEP20</b>	14915	\$ 17,908,909.00	
Load Interconnection Program 2021	2024	various	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 20,124,594.00	
Communication Reliability Program 2022	2025	various	Communication	Planned	<b>A in MTEP21</b>	14965	\$ 19,252,066.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Small Capital Project and Asset Renewal Program 2022	2025	various	Condition and Performance	Planned	<b>A in MTEP21</b>	14964	\$ 52,320,773.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Line Clearance Mitigation Program 2022	2025	various	Line Clearance	Planned	<b>A in MTEP21</b>	14966	\$ 2,832,841.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Physical Security Program 2022	2025	various	Physical Security	Planned	<b>A in MTEP21</b>	14967	\$ 11,797,871.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Load Interconnection Program 2022	2025	various	T-D Interconnection	Planned	<b>A in MTEP21</b>	14968	\$ 27,586,994.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost

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Communication Reliability Program 2023	2026	various	Communication	Provisional	A in MTEP22	16767	\$ 7,000,000.00	Target A in MTEP22
Small Capital Project and Asset Renewal Program 2023	2026	various	Condition and Performance	Provisional	A in MTEP22	16766	\$ 65,000,000.00	Target A in MTEP22
Line Clearance Mitigation Program 2023	2026	various	Line Clearance	Provisional	A in MTEP22	16768	\$ 6,000,000.00	Target A in MTEP22
Physical Security Program 2023	2026	various	Physical Security	Provisional	A in MTEP22	16769	\$ 1,800,000.00	Target A in MTEP22
Load Interconnection Program 2023	2026	various	T-D Interconnection	Provisional	A in MTEP22	16770	\$ 37,000,000.00	Target A in MTEP22
<b>LEGEND</b>								
No Shading = No change to project since previous Assessment								
Green Shading = Project In-Service (Interim Updates Only)								
Orange Shading = new project, was not in previous Assessment project list								
Gray Shading = Some Change has happened since the last posted list								
<b>COMMONLY USED DEFINITIONS</b>								
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 ( <b>BOLDED</b> ), MTEP21 and future cycles are not yet certified at the time of publication (10/2021).								