

Project Name	2021 Est. In-Service Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Dane - Waunakee 69kV (Y-143), Rebuild	2021	3	Condition and Performance	Planned	<b>A in MTEP17</b>	12177	\$ 7,000,000.00	In-Service
Hillside SS, Relay and Breaker Replacements	2021	3	Condition and Performance	Planned	<b>A in MTEP18</b>	13802	\$ 2,000,000.00	
Eden - Highland (X-147) 138kV, uprate	2021	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19269	\$ 695,243.00	In-Service
Eden - Lands End 69kV, Loop into Highland SS	2021	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	17525	\$ 13,674,246.00	
Highland - Spring Green (X-17) 138kV, Uprate	2021	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	17525	\$ 2,981,519.00	
J855 Ebenezer SS Generator Interconnection Facilities and Network Upgrades	2021	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	18665	\$ 5,526,333.00	In-Service
Cross Country SS, DIC, Install New Breakers	2021	3	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 980,000.00	In-Service
Portage Industrial Park SS, DIC, replace transformers and substation rebuild	2021	3	T-D Interconnection	Planned	<b>A in MTEP18</b>	15127	\$ 1,660,000.00	
Waterloo SS, DIC, New 138kV Substation	2021	3	T-D Interconnection	Planned	<b>A in MTEP19</b>	14906	\$ 1,423,200.00	
Concord - Cooney (9042) 138kV, Reconductor	2021	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	18925	\$ 3,363,101.00	
J818 Jefferson SS Generator Interconnection Facilities and Network Upgrades	2021	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	18925	\$ 1,669,458.00	
Bloomington (BLO)-LaPointe Sw Str (LPTT), 69kV, Y43 Rerate	2021	3	Line Clearance	Planned	<b>A in MTEP19</b>	14912	\$ 600,000.00	In-Service
Brodhead Muni 4 SS, DIC, New Substation	2021	3	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 400,000.00	
LaMar SS - Sheepskin SS, 69kV (Y-61), rerate	2021	3	Line Clearance	Planned	<b>A in MTEP20</b>	14913	\$ 510,000.00	
Elkhorn - North Lake Geneva (X-55) 138 kV, uprate	2022	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 372,880.00	
Hillman SS Grounding System Upgrades	2022	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19248	\$ 181,784.00	MPFCA Renegotiated / ISY Updated
Spring Green SS Grounding System Upgrades	2022	3	G-T Interconnection	Planned	<b>A in MTEP22</b>	22045	\$ 220,000.00	MPFCA Renegotiated / ISY Updated / Target A for MTEP22
Muscoda SS, DIC add 2nd transformer and substation rebuild	2022	3	T-D Interconnection	Planned	<b>A in MTEP18</b>	15124	\$ 5,000,000.00	
McCue SS, Circuit Breaker Asset Renewal	2022	3	Condition and Performance	Planned	<b>A in MTEP19</b>	14908	\$ 1,775,000.00	
Bass Creek - Town Line Road (X-95) 138kV, reconductor	2022	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 4,445,862.00	
Bristol - Elkhorn (X-81) 138 kV, uprate	2022	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 790,866.00	
J850 North Creek SS Generator Interconnection Facilities and Network Facilities	2022	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	2022	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	2022	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19146	\$ 1,232,351.00	
Green County, new DIC	2022	3	T-D Interconnection	Planned	<b>A in MTEP18</b>	15129	\$ 4,000,000.00	
South Beaver Dam - North Beaver Dam (Y-59), 69kV, uprate	2022	3	Reliability	Planned	<b>A in MTEP20</b>	14909	\$ 70,000.00	Updated ISY
West Middleton - Stagecoach 69kV (6927), Partial Rebuild	2022	3	Reliability	Planned	<b>A in MTEP20</b>	12175	\$ 3,820,000.00	
Nelson Dewey SS - Control House, Relay Asset Renewal	2022	3	Condition and Performance	Planned	<b>A in MTEP21</b>	19105	\$ 6,170,000.00	Expected MTEP21 Target A Approval
Pflaum SS, Asset Renewal	2022	3	Condition and Performance	Planned	<b>A in MTEP18</b>	13768	\$ 2,075,688.00	
J1188 Sheepskin SS Network Upgrades and Interconnection Facilities	2022	3	G-T Interconnection	Planned	<b>A in MTEP22</b>	22046	\$ 1,129,461.00	Target A in MTEP22
Bluff LNG SS, new DIC	2022	3	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 1,348,859.00	
Blackhawk SS, New DIC	2022	3	T-D Interconnection	Provisional	<b>A in MTEP21</b>	14968	\$ 150,000.00	
Dodgeville SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19226	\$ 220,000.00	MPFCA Renegotiated
Eden SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19246	\$ 794,591.00	MPFCA Renegotiated
Hill Valley SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19246	\$ 611,927.00	MPFCA Renegotiated
Hillman SS, Upgrade Transformer	2023	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19145	\$ 3,132,719.00	
J947 Tennyson SS Generator Interconnection Facilities and Network Upgrades	2023	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19145	\$ 5,756,434.00	
Rock Branch SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19226	\$ 220,000.00	MPFCA Renegotiated
Rock River SS Switch Replacement	2023	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19145	\$ 95,737.00	
Colley Road SS, Transformer Replacement and Asset Renewal	2023	3	Condition and Performance	Planned	<b>A in MTEP20</b>	17585	\$ 3,150,000.00	
Gateway - Sycamore (6902), 69kV, rebuild	2023	3	Reliability	Planned	<b>A in MTEP21</b>	14964	\$ 2,900,000.00	Proposed to Planned / Expected MTEP21 Target A Approval
Cardinal - Hickory Creek 345kV, Line Construction	2023	3	Reliability, Economic and Policy	Planned	<b>A in MTEP11</b>	3127	\$ 492,200,000.00	
Barneveld SS, DIC, new substation	2023	3	T-D Interconnection	Planned	<b>A in MTEP20</b>	18052	\$ 14,102,000.00	
Bonnie Road, DIC, New Substation	2023	3	T-D Interconnection	Planned	<b>A in MTEP21</b>	19806	\$ 3,504,413.00	Provisional to Planned / Expected MTEP21 Target A Approval / Updated Cost
Tokay SS, DIC, Add Transformer	2023	3	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 500,000.00	Proposed to Planned
J1000 Comet SS Network Upgrades and Interconnection Facilities	2023	3	G-T Interconnection	Planned	<b>A in MTEP22</b>	21648	\$ 6,693,598.00	Target A in MTEP22
J1003 North Beaver Dam SS Network Upgrades and Interconnection Facilities	2023	3	G-T Interconnection	Planned	<b>A in MTEP22</b>	21813	\$ 1,031,386.00	Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades	2023	3	G-T Interconnection	Planned	<b>A in MTEP22</b>	22047	\$ 2,343,684.00	Target A in MTEP22
Lancaster Transformer Replacement & Substation Rebuild	2023	3	T-D Interconnection	Planned	<b>A in MTEP21</b>	20925	\$ 3,700,000.00	Expected MTEP21 Target A Approval
Madison Area Reactive Power Project	2023	3	Reliability	Provisional	<b>B in MTEP22</b>	22003	\$ 10,000,000.00	Target B in MTEP22
Sun Prairie Park, DIC, Substation Rebuild	2023	3	T-D Interconnection	Planned	<b>A in MTEP20</b>	14907	\$ 1,400,000.00	
Sharon SS, DIC, New Substation	2023	3	T-D Interconnection	Planned	<b>A in MTEP21</b>	14968	\$ 790,000.00	
Academy - Columbus 69kV (Y-21), Rebuild	2024	3	Condition and Performance	Planned	<b>A in MTEP21</b>	10590	\$ 8,800,000.00	Expected MTEP21 Target A Approval
Spring Green - Wick Drive (Y-170), 69kV, uprate	2024	3	Reliability	Planned	<b>A in MTEP21</b>	14964	\$ 1,500,000.00	Proposed to Planned / Expected MTEP21 Target A Approval
Rock County Reliability Project	2024	3	Reliability	Provisional	<b>A in MTEP22</b>	20805	\$ 49,721,000.00	Target A in MTEP22
Darlington - Rock Branch 69kV (Y-109), Rebuild	2025	3	Condition and Performance	Planned	<b>A in MTEP22</b>	18046	\$ 16,700,000.00	Provisional to Planned / Target A in MTEP22
Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW	2025	3	Reliability, Condition and Performance	Planned	<b>A in MTEP22</b>	19962	\$ 16,300,000.00	Provisional to Planned / Target A in MTEP22
Huskamp - Ruskin (6937), Partial Rebuild	2025	3	Condition and Performance	Planned	<b>A in MTEP22</b>	21347	\$ 7,900,000.00	Target A in MTEP22
Rockdale and Christiana SS - Control House and Relay Asset Renewal	2025	3	Condition and Performance	Provisional	<b>A in MTEP22</b>	21628	\$ 5,800,000.00	Target A in MTEP22
South Beaver Dam - Hubbard, (Y-134), 69kV Rebuild & OPGW	2026	3	Condition and Performance	Planned	<b>A in MTEP22</b>	18047	\$ 20,100,000.00	Provisional to Planned / Updated Project Name / Target A MTEP22 / Updated Cost
South Monroe - Brownstone (Y-155), Partial Rebuild	2026	3	Condition and Performance	Planned	<b>A in MTEP22</b>	21916	\$ 10,300,000.00	Target A in MTEP22
Kirkwood SS, Control House, Transformer and Breaker Asset Renewal	2026	3	Condition and Performance	Provisional	<b>A in MTEP22</b>	19963	\$ 7,571,000.00	Target A in MTEP22
Renewable Reinforcement Project	2027	3	Reliability	Provisional	<b>B in MTEP22</b>	21905	\$ 50,000,000.00	Target B in MTEP22
Hillman - Darlington 138kV (X-14/X-101), Rebuild	2028	3	Condition and Performance	Proposed	<b>A in MTEP18</b>	4726	\$ 21,090,000.00	
Rock Branch - Dodgeville 69kV (Y-35), Partial Rebuild	2028	3	Condition and Performance	Provisional	--	--	\$ 10,300,000.00	Updated Cost
Portage - Columbia 138kV (X-13/X-20), rebuild existing double circuit	2030	3	Reliability	Planned	<b>A in MTEP19</b>	4730	\$ 11,500,000.00	
South Fond du Lac - Spring Brook 69kV (Y-133), Partial rebuild	2030	3	Condition and Performance	Provisional	<b>B in MTEP18</b>	13739	\$ 17,000,000.00	
Walnut - Blount, new 69kV transmission line	2031	3	Reliability	Provisional	<b>B in MTEP21</b>	1730	\$ 24,000,000.00	
Nelson Dewey SS Grounding System Upgrades	2022	3	G-T Interconnection	Planned	<b>A in MTEP20</b>	19267	\$ 537,753.00	MPFCA Renegotiated
Gran Grae SS, Install a second 161/69kV transformer	2026	3	Reliability	Provisional	--	--	\$ 8,200,000.00	
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	

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Communication Reliability Upgrades 2020	2023	various	Communication	Planned	A in MTEP19	14910	\$ 11,344,615.00	
Small Capital Project and Asset Renewal 2020	2023	various	Condition and Performance	Planned	A in MTEP19	14908	\$ 35,906,079.00	
Line Clearance Mitigation Project 2020	2023	various	Line Clearance	Planned	A in MTEP19	14912	\$ 12,062,247.00	
Physical Security 2020	2023	various	Physical Security	Planned	A in MTEP19	14914	\$ 21,603,965.00	
Load Interconnection 2020	2023	various	T-D Interconnection	Planned	A in MTEP19	14906	\$ 26,774,954.00	
Physical Security Current Cycle	2024	various	Physical Security	Planned	A in MTEP18	13826	\$ 67,198,396.00	
Communication Reliability Program 2021	2024	various	Communication	Planned	A in MTEP20	14911	\$ 10,927,208.00	
Small Capital Project and Asset Renewal Program 2021	2024	various	Condition and Performance	Planned	A in MTEP20	14909	\$ 38,913,412.00	
Line Clearance Mitigation Program 2021	2024	various	Line Clearance	Planned	A in MTEP20	14913	\$ 3,791,502.00	
Physical Security Program 2021	2024	various	Physical Security	Planned	A in MTEP20	14915	\$ 17,908,909.00	
Load Interconnection Program 2021	2024	various	T-D Interconnection	Planned	A in MTEP20	14907	\$ 20,124,594.00	
Communication Reliability Program 2022	2025	various	Communication	Planned	A in MTEP21	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	A in MTEP21	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	A in MTEP21	14966	\$ 2,832,841.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Physical Security Program 2022	2025	various	Physical Security	Planned	A in MTEP21	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	A in MTEP21	14968	\$ 27,586,994.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
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).								