

**2020 ATC 10-Year Assessment  
Project List**

Project Name	2020 Estimated In- Service Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Hilltop SS, Install 69kV Breakers	2020	1	Condition and Performance	Planned	<b>A in MTEP17</b>	12031	\$ 1,000,000.00	
Caroline SS, Transformer (T31) 69kV Breaker and Relay Asset Renewals	2021	1	Condition and Performance	Planned	<b>A in MTEP18</b>	14986	\$ 4,488,625.00	
Harrison North SS, Breaker Addition	2021	1	Condition and Performance	Planned	<b>A in MTEP18</b>	13821	\$2,000,000.00	
Harrison SS, Install 69kV Breakers	2021	1	Condition and Performance	Planned	<b>A in MTEP17</b>	12051	\$ 2,700,000.00	
Whitcomb SS, Transformer (T31) 69kV Breaker Asset Renewals	2021	1	Condition and Performance	Planned	<b>A in MTEP18</b>	14987	\$ 5,469,503.00	
Chaffee Creek SS - Lincoln Pump Station 69kV (Y-18), Rebuild	2023	1	Condition and Performance	Planned	<b>A in MTEP18</b>	10486	\$ 9,600,000.00	
Winneconne SS, Relay and Breaker Replacement	2023	1	Condition and Performance	Planned	<b>A in MTEP18</b>	13243	\$ 2,150,000.00	
Saratoga SS - Control House and Breaker Asset Renewal	2024	1	Condition and Performance	Proposed	<b>B in MTEP21</b>	19525	\$6,319,095.00	
Mackinac HVDC, System Control and Monitoring (SCM) Asset Renewal	2022	2	Condition and Performance	Planned	<b>A in MTEP20</b>	18020	\$ 4,000,000.00	
NLKG31 Tap - Greenstone 138kV, construct new transmission line	2022	2	Condition and T-D Interconnection	Planned	<b>A in MTEP19</b>	15933	\$ 5,200,000.00	
Tilden SS, Control House Replacement and Breaker & Relay Asset Renewal	2023	2	Condition and Performance	Planned	<b>A in MTEP20</b>	16488	\$ 5,880,000.00	
Dead River SS - Control House and Breaker Replacement Asset Renewal	2024	2	Condition and Performance	Planned	<b>A in MTEP21</b>	19346	\$4,847,000.00	
Empire SS, Control House Replacement and Breaker & Relay Asset Renewal	2024	2	Condition and Performance	Provisional	<b>A in MTEP21</b>	16489	\$ 6,732,000.00	
Mass - Conover 69kV (6530), Replace select poles, reinsulate	2028	2	Condition and Performance	Provisional	<b>B in MTEP19</b>	16495	\$ 8,600,000.00	
Husikamp SS, Relay and Breaker Replacement	2020	3	Condition and Performance	Planned	<b>A in MTEP18</b>	13717	\$ 506,490.00	
Sycamore SS, Install 69kV Breakers	2020	3	Condition and Performance	Planned	<b>A in MTEP17</b>	12183	\$ 2,755,829.00	
Columbia SS, Breaker Replacement Asset Renewal	2021	3	Condition and Performance	Planned	<b>A in MTEP18</b>	13821	\$ 1,778,000.00	
Hillside SS, Relay and Breaker Replacements	2021	3	Condition and Performance	Planned	<b>A in MTEP18</b>	13802	\$ 1,600,000.00	
McCue SS, Circuit Breaker Asset Renewal	2022	3	Condition and Performance	Planned	<b>A in MTEP19</b>	14908	\$ 1,775,000.00	
Colley Road SS, Transformer Replacement and Asset Renewal	2023	3	Condition and Performance	Planned	<b>A in MTEP20</b>	17585	\$ 3,150,000.00	
Nelson Dewey SS - Control House, Relay Asset Renewal	2024	3	Condition and Performance	Planned	<b>A in MTEP21</b>	19105	\$ 6,170,000.00	
Pflaum SS, Asset Renewal	2025	3	Condition and Performance	Planned	<b>A in MTEP18</b>	13768	\$ 2,075,688.00	
Kirkwood SS, Control House, Transformer and Breaker Asset Renewal	2024	3	Condition and Performance	Provisional	<b>A in MTEP21</b>	19963	\$ 7,571,000.00	
Rock Branch SS - Dodgeville SS 69kV (Y-35), Partial Rebuild	2028	3	Condition and Performance	Provisional	--	--	\$ 9,000,000.00	ISY Changed
Cloverleaf SS, Replace Dead End and Switches	2021	4	Condition and Performance	Planned	<b>A in MTEP18</b>	13728	\$ 1,062,784.00	
Kewaunee SS, Retire Transformer	2021	4	Condition and Performance	Planned	<b>A in MTEP20</b>	14909	\$ 866,000.00	
Menominee SS, DIC, Retire Transformer	2021	4	Condition and Performance	Planned	<b>A in MTEP20</b>	14909	\$ 417,000.00	
Shoto SS, Transformer (T1) and Breaker Asset Renewal	2021	4	Condition and Performance	Planned	<b>A in MTEP18</b>	14988	\$ 5,700,000.00	
Bayport SS - Pioneer SS 138kV, rebuild as a double-circuit	2022	4	Condition and Performance	Planned	<b>A in MTEP18</b>	14706	\$ 47,400,000.00	
Edgewater SS, Bus Reconfiguration	2022	4	Condition and Performance	Planned	<b>A in MTEP18</b>	13756	\$ 9,800,000.00	
Erdman SS, Transformer and Breaker Asset Renewal	2022	4	Condition and Performance	Planned	<b>A in MTEP19</b>	15931	\$ 7,000,000.00	
Pioneer SS - Crivitz SS 138kV (E-83/B-2), retire 69kV and reconfigure load to 138kV	2022	4	Condition and Performance	Planned	<b>A in MTEP18</b>	14926	\$ 20,400,000.00	
Pulliam SS, Transformer Retirement and Bus Reconfiguration	2022	4	Condition and Performance	Planned	<b>A in MTEP20</b>	15930	\$ 4,000,000.00	
Wesmark SS, Relay and Breakers	2022	4	Condition and Performance	Planned	<b>A in MTEP18</b>	13747	\$ 811,572.00	
Glenview SS, Transformer Retirement and Breaker & Relay Asset Renewal	2023	4	Condition and Performance	Planned	<b>A in MTEP20</b>	18019	\$ 2,200,000.00	
Crivitz SS - Transformer Replacement and Asset Renewal	2024	4	Condition and Performance	Planned	<b>A in MTEP21</b>	19705	\$ 4,344,701.00	
North Appleton SS - Transformer Replacement and Asset Renewal	2024	4	Condition and Performance	Planned	<b>A in MTEP21</b>	19706	\$ 7,811,645.00	
Edgewater SS - Lodestar SS 138kV (X-48/Y-31), Underground cable rebuild	2023	4	Condition and Performance	Proposed	<b>A in MTEP19</b>	15925	\$ 11,400,000.00	
Mequon SS Replace Line Breakers and Relay Asset Renwal	2020	5	Asset Renewal	Planned	<b>A in MTEP18</b>	13822	\$ 1,855,524.00	
Merrill Hills SS Line Breaker Additions	2020	5	Asset Renewal	Planned	<b>A in MTEP19</b>	14908	\$ 1,093,000.00	
Pennsylvania SS, Relay, Breaker and Disconnect Switch Asset Renewal	2020	5	Asset Renewal	Planned	<b>A in MTEP18</b>	13821	\$ 1,115,352.00	
Bain SS, Control House and Breaker Asset Renewal	2021	5	Condition and Performance	Planned	<b>A in MTEP19</b>	15932	\$ 8,500,000.00	
Burlington SS, Install 138kV Breakers	2021	5	Condition and Performance	Planned	<b>A in MTEP17</b>	12058	\$ 2,000,000.00	
Range Line SW STA, Control House Replacement and Asset Renewal	2022	5	Condition and Performance	Planned	<b>A in MTEP19</b>	15928	\$ 7,100,000.00	
Kenosha SS, Breaker, Relay, RTU and Disconnect Asset Renewal	2023	5	Condition and Performance	Planned	<b>A in MTEP20</b>	14909	\$ 1,878,000.00	
Arcadian SS, Power Transformer and Control House Replacement and Asset Renewal	2023	5	Condition and Performance / Reliability	Planned	<b>A in MTEP20</b>	16486	\$ 40,000,000.00	
Granville SS, Control House and Relay Replacement and Asset Renewal	2024	5	Condition and Performance / Reliability	Proposed	<b>A in MTEP21</b>	16490	\$ 28,949,044.00	Moved to Target A in MTEP 21 / Cost Estimated Updated
Small Capital Project and Asset Renewal Current Cycle	2021	various	Condition and Performance	Planned	<b>A in MTEP18</b>	13821	\$ 38,457,451.00	
Small Capital Project and Asset Renewal 2019	2022	various	Condition and Performance	Planned	<b>A in MTEP18</b>	13822	\$ 8,007,814.00	
Small Capital Project and Asset Renewal 2020	2023	various	Condition and Performance	Planned	<b>A in MTEP19</b>	14908	\$ 35,906,079.00	
Small Capital Project and Asset Renewal 2021	2024	various	Condition and Performance	Planned	<b>A in MTEP20</b>	14909	\$ 38,913,412.00	
Small Capital Project and Asset Renewal 2022	2025	various	Condition and Performance	Proposed	<b>A in MTEP21</b>	14964	\$ 67,000,000.00	

**LEGEND**

Green Shading = Project In-Service (Interim Updates Only)

No Shading = No change to project since previous Assessment

Orange Shading = new project, was not in previous Assessment project list

Gray Shading = some change (e.g. In-service year or scope) since previous Assessment

**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 MTEP19 and prior are Certified in MISOs' Regional Plan for A projects (**BOLDED**), MTEP20 and future cycles are not yet certified at the time of publication (9/2020).