

	A	B	C	D	E	F	G	H	I	J
1	Project Name	2019 TYA Model Need Year	Estimated In-Service Year	ZONE	Need Category	Planning Event	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost
2	Boscobel - Lone Rock 69kV (Y-124), Rebuild		2019	3	Condition and Performance		Planned	A in MTEP16	7583	\$ 32,500,000.00
3	Huiskamp SS - Waunakee SS (Y-132), Switch Replacement	2019	2019	3	Reliability	P6	Planned	A in MTEP18	13824	\$ 288,500.00
4	Kilbourn SS, Bus Reconfiguration and Relay Replacement		2019	3	Condition and Performance		Planned	A in MTEP18	13789	\$ 6,900,000.00
5	Nelson Dewey SS, Transformer Addition and Asset Renewal		2019	3	Condition and Performance		Planned	A in MTEP16	9961	\$ 5,375,625.00
6	Spring Valley SS - North Lake Geneva SS 138kV, Construct	2019	2019	3	T-D Interconnection, Reliability	P1.2	Planned	A in MTEP14	3808	\$ 70,500,000.00
7	Dam Heights SS, DIC and new radial line	2020	2020	3	T-D Interconnection		Planned	A in MTEP18	15045	\$ 3,300,000.00
8	Husikamp SS, Relay and Breaker Replacement		2020	3	Condition and Performance		Planned	A in MTEP18	13717	\$ 506,490.00
9	Koshkonong SS, new DIC	2019	2020	3	T-D Interconnection		Planned	A in MTEP18	14905	\$ 1,000,000.00
10	Muscoda SS, DIC add 2nd transformer and substation rebuild	2020	2020	3	T-D Interconnection		Planned	A in MTEP18	15124	\$ 3,300,000.00
11	Portage - Staff 138kV (X-6), Rebuild		2020	3	Condition and Performance		Planned	A in MTEP17	9968	\$ 17,720,000.00
12	Portage - Trienda 138kV (X-67), uprate	2022	2020	3	Reliability	P1.2	Planned	A in MTEP14	1624	\$ 2,000,000.00
13	Staff - North Randolph 138kV (X-98), Rebuild		2020	3	Condition and Performance		Planned	A in MTEP17	9974	\$ 5,000,000.00
14	Waupun SS, Rebuild Substation		2020	3	Condition and Performance		Planned	A in MTEP17	12100	\$ 4,200,000.00
15	West Towne SS, Relay Replacements		2020	3	Condition and Performance		Planned	A in MTEP18	13749	\$ 3,185,723.00
16	Dane - Waunakee 69kV (Y-143), Rebuild		2021	3	Condition and Performance		Planned	A in MTEP17	12177	\$ 6,600,000.00
17	Hillside SS, Relay and Breaker Replacements		2021	3	Condition and Performance		Planned	A in MTEP18	13802	\$ 670,000.00
18	Milton Lawns SS, DIC add 2nd transformer and line breakers	2020	2021	3	T-D Interconnection		Planned	A in MTEP18	15131	\$ 3,000,000.00
19	Sheepskin - Stoughton 69kV (Y-12), Rebuild		2021	3	Condition and Performance		Planned	A in MTEP17	7600	\$ 13,500,000.00
20	Academy - North Randolph 138kV (X-5), Re-insulate		2023	3	Condition and Performance		Planned	A in MTEP18	13822	\$ 1,170,000.00
21	Cardinal SS - Hickory Creek SS 345kV, Line Construction	2023	2023	3	Reliability, Economic and Policy		Planned	A in MTEP11	3127	\$ 492,200,000.00
22	Pflaum SS, Replace Failed 69kV Underground Cable		2025	3	Condition and Performance		Planned	A in MTEP18	13768	\$ 2,075,688.00
23	J870/J871 GIC Highland, Generator Interconnection Facilities and Network Upgrades	2020	2020	3	G-T Interconnection		Proposed	B in MTEP20	17525	\$ 2,300,000.00
24	Mount Horeb SS, Install 69kV Breakers		2020	3	Condition and Performance		Proposed	A in MTEP17	12903	\$ 4,300,000.00
25	Sycamore SS, Install 69kV Breakers		2020	3	Condition and Performance		Proposed	A in MTEP17	12183	\$ 2,755,829.00
26	J584 GIC Jordan SS, Generator Interconnection Facilities and Network Upgrades Information	2021	2021	3	G-T Interconnection		Planned	A in MTEP19	16493	\$ 6,200,000.00
27	Northern Lights Substation, new T-D Interconnection	2020	2021	3	T-D Interconnection		Proposed	A in MTEP17	12346	\$ 26,000,000.00
28	Portage Industrial Park SS, DIC, replace transformers and substation rebuild	2021	2021	3	T-D Interconnection		Proposed	A in MTEP18	15127	\$ 3,000,000.00
29	Green County, new DIC	2021	2022	3	T-D Interconnection		Proposed	A in MTEP18	15129	\$ 4,500,000.00
30	Colley Road SS, Transformer Replacement and Asset Renewal		2023	3	Condition and Performance		Proposed	A in MTEP20	17585	\$ 3,150,000.00
31	West Middleton SS - Stagecoach SS 69kV (6927), Partial Rebuild	2023	2023	3	Reliability	P1.2, P1.3	Proposed	A in MTEP20	12175	\$ 2,800,000.00
32	Portage SS - Columbia SS 138kV (X-13/X-20), rebuild existing double circuit	2024	2024	3	Reliability	P1.2	Planned	A in MTEP19	4730	\$ 10,000,000.00
33	Hillman - Darlington 138kV (X-14/X-101), Rebuild		2026	3	Condition and Performance		Proposed	A in MTEP18	4726	\$ 21,090,000.00
34	Barneveld SS, DIC, new substation	2023	2023	3	T-D Interconnection		Provisional	B in MTEP20	18052	\$ 6,000,000.00
35	Academy - Columbus 69kV (Y-21), Rebuild		2024	3	Condition and Performance		Provisional	A in MTEP20	10590	\$ 3,150,000.00
36	Darlington - Rock Branch 69kV (Y-109), Rebuild		2025	3	Condition and Performance		Provisional	B in MTEP20	18046	\$ 16,600,000.00
37	Gran Grae SS, Install a second 161/69kV transformer	>2029	2026	3	Reliability	P1.3	Provisional	--	--	\$ 8,200,000.00
38	South Beaver Dam - Horicon 69kV (Y-134), Rebuild		2026	3	Condition and Performance		Provisional	B in MTEP20	18047	\$ 14,000,000.00
39	Rock Branch SS - Dodgeville SS 69kV (Y-35), Partial Rebuild		2027	3	Condition and Performance		Provisional	--	--	\$ 9,000,000.00
40	West Middleton SS - Pheasant Branch SS 69kV, Construct		2028	3	Condition and Performance		Provisional	C	3487	\$ 22,710,000.00

	A	B	C	D	E	F	G	H	I	J
1	Project Name	2019 TYA Model Need Year	Estimated In-Service Year	ZONE	Need Category	Planning Event	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost
41	Blount - East Campus 69kV (6906), Replace with XLPE in existing HPFF pipe		2029	3	Condition and Performance		Provisional	--	--	\$ 9,900,000.00
42	South Fond du Lac - Spring Brook 69kV (Y-133), Rebuild		2029	3	Condition and Performance		Provisional	B in MTEP18	13739	\$ 31,000,000.00
43	Cardinal SS - Blount SS 138kV, construct	>2029	2031	3	Reliability	P6	Provisional	C	1730	\$ 109,000,000.00
44										
45	Legend									
46	No Shading = No change to project since previous Assessment									
47	Orange Shading = new project, was not in previous Assessment project list									
48	Gray Shading = some change (e.g. In-service year or scope) since previous Assessment									
49	MISO MTEP Appendix - Indicates MTEP Cycle, Cycles MTEP18 and prior are Certified in MISOs' Regional Plan for A projects (BOLDED), MTEP19 and future cycles are not yet certified at the time of publication (10/2019).									
50										