

ATC 2017 10-Year Assessment (TYA) Preliminary Asset Renewal Continuing Needs

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1	Continuing Asset Renewal Condition Need	2016 Projected Need Year	2017 Projected Need Year	Planning Zone	Need Category	MISO MTEP 17 Appendix Status	MTEP PRJID
2	Rebuild Ohmstead - Cedar Ridge Wind Generation 138-kV line X2	2018	2019	4	Improve condition and increase reliability performance of existing line	Targeted A	12150
3	Erdman 138/69-kV T31	2018	2021	4	Improve condition, reliability	A	9944
4	East Krok 138/69-kV T1	2017	2025	4	Improve condition, reliability	A	9958
5	Rebuild Whiting Avenue-Plover 115-kV line B-106	2018	2018	1	Improve condition and increase reliability performance of existing line	A	9423
6	Partial Rebuild North Point - Rocky Run 115-kV line T-20	2019	2019	1	Improve condition and increase reliability performance of existing line	--	--
7	Rocky Run 345/115 kV T1, T2, and T4	2019	2019	1	Improve condition, reliability	B	8443
8	Whitcomb 115/69-kV T31	2020	2020	1	Improve condition, reliability	--	--
9	Caroline 115/69-kV T31	2020	2020	1	Improve condition, reliability	--	--
10	Rebuild Wild Rose Pumping Station - Harrison 69-kV line Y19	2020	2020	1	Improve condition and increase reliability performance of existing line	Targeted B	12147
11	Rebuild Coyne - Saratoga 115-kV line T-72	2020	2020	1	Improve condition and increase reliability performance of existing line	Targeted A	12178
12	Partial rebuild Petenwell - Saratoga 138-kV line X-43	2020	2020	1	Improve condition and increase reliability performance of existing line	--	--
13	Partial rebuild Coyne - Plover 115-kV line J-114	2020	2020	1	Improve condition and increase reliability performance of existing line	--	--
14	Rebuild Lincoln Pump Sta. - Chaffee Creek 69-kV line Y18	2021	2021	1	Improve condition and increase reliability performance of existing line	B	10486
15	Rebuild West Wisconsin Rapids – Sigel 69-kV line Y45	2021	2021	1	Improve condition and increase reliability performance of existing line	B	8263
16	Rebuild Wautoma – Chaffee Creek 69-kV line Y49	2021	2021	1	Improve condition and increase reliability performance of existing line	B	7764
17	Rebuild Lincoln Pump Sta. - McKenna 69-kV line Y145	2023	2023	1	Improve condition and increase reliability performance of existing line	B	7765
18	Rebuild McKenna - Castle Rock 69-kV line Y47	2023	2023	1	Improve condition and increase reliability performance of existing line	B	7763
19	Nine Mile 69-kV Substation	2018	2018	2	Improve condition, reliability	--	--
20	Partial rebuild Munising-Blaney Park 69-kV line Inland	2017	2017	2	Improve condition and increase reliability performance of existing line	A	3096
21	Re-insulate Munising - Gwinn 69-kV line (Aurtrain line) – Double circuited portion with Munising 138	2017	2017	2	Improve condition and increase reliability performance of existing line	--	--
22	Partial rebuild Munising-Gwinn 69-kV line (Aurtrain line) – Single circuit portion	2017	2017	2	Improve condition and increase reliability performance of existing line	--	--

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23	Partial rebuild 9 Mile-Detour 69-kV line 6950	2017	2017	2	Improve condition and increase reliability performance of existing line	A	10404
24	Partial rebuild Pine River-Hiawatha 69-kV line ESE_6908	2018	2018	2	Improve condition and increase reliability performance of existing line	--	--
25	Rebuild North Lake – Greenstone 69-kV line NLKY11	2023	2023	2	Improve condition and increase reliability performance of existing line	--	--
26	Re-insulate Portage - 9 Mile 69-kV lines 6901/6902	2023	2023	2	Improve condition and increase reliability performance of existing line	--	--
27	Re-insulate Gwinn- KI Sawyer 69-kV line Sawyer	2023	2023	2	Improve condition and increase reliability performance of existing line	--	--
28	Partial rebuild Chandler-Delta (UPPCO) 69-kV line Delta 1	2023	2023	2	Improve condition and increase reliability performance of existing line	--	--
29	Partial rebuild Conover-Mass 69-kV line 6530	2025	2025	2	Improve condition and increase reliability performance of existing line	--	--
30	Partial rebuild 9 Mile SW STA - Pine River 69-kV lines 6921/23	2025	2025	2	Improve condition and increase reliability performance of existing line	--	--
31	Partial rebuild Blaney Park SW STA – Mich. Limestone Quarry Tap 69-kV line 6914	2025	2025	2	Improve condition and increase reliability performance of existing line	--	--
32	Rebuild Portage - Dam Heights 69-kV line Y16	2017	2017	3	Improve condition and increase reliability performance of existing line	A	3813
33	Partial rebuild Kegonsa - Sun Prairie 69-kV line Y81	2017	2017	3	Improve condition and increase reliability performance of existing line	A	10403
34	Nelson Dewey 138/69 kV T31 & T32	2019	2019	3	Improve condition, reliability	A	9961
35	Rebuild Boscobel - Lone Rock 69-kV line Y124	2019	2019	3	Improve condition and increase reliability performance of existing line	A	7583
36	Rebuild Portage – Staff 138-kV X6	2019	2019	3	Improve condition and increase reliability performance of existing line	Targeted A	9968
37	Rebuild Staff – North Randolph 138-kV X98	2019	2019	3	Improve condition and increase reliability performance of existing line	Targeted A	9974
38	Rebuild Sheepskin – Stoughton 69-kV line Y12	2020	2020	3	Improve condition and increase reliability performance of existing line	Targeted A	7600
39	Rebuild Dane - Waunakee 69-kV line Y143	2020	2020	3	Improve condition and increase reliability performance of existing line	Targeted A	12177
40	Re-insulate Academy – North Randolph 138-kV line X5	2021	2021	3	Improve condition and increase reliability performance of existing line	--	--
41	Rebuild Darlington – Hillman 138-kV line X14	2023	2023	3	Improve condition and increase reliability performance of existing line	--	4726

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42	Rebuild South Fond Du Lac SW YD – Spring Brook Road 69-kV line Y133	2023	2023	3	Improve condition and increase reliability performance of existing line	--	--
43	Rebuild Academy – Columbus 69-kV line Y21	2023	2023	3	Improve condition and increase reliability performance of existing line	B	10590
44	Rebuild South Beaver Dam - Horicon 69-kV line Y134	2024	2024	3	Improve condition and increase reliability performance of existing line	--	--
45	Retire Lone Rock 69-kV Phase Shifter	2026	2026	3	Improve condition, reliability	--	--
46	Lost Dauphin 138/69-kV T1	2018	2018	4	Improve condition, reliability	A	9954
47	Waupun 69-kV Substation	2018	2018	4	End of life, parts obsolescence (4 units) 69 kV	Targeted A	12100
48	Partial rebuild Howard - Pulliam 138-kV line D-82	2019	2019	4	Improve condition and increase reliability performance of existing line	--	--
49	Rebuild Cedar Ridge Wind Generation - Mullet River 138-kV line X97	2019	2019	4	Improve condition and increase reliability performance of existing line	Targeted A	12148
50	Edgewater 345-kV Substation	2020	2020	4	End of life, bushing leaks (4 units) 345 kV, live tank, free standing CTs (2 units) 345 kV	--	--
51	Rebuild Goodman - Caldron Falls 69-kV line J-88	2020	2020	4	Improve condition and increase reliability performance of existing line	A	9977
52	Redwood – First Ave line 69-kV line T-46	2020	2020	4	Improve condition and increase reliability performance of existing line	--	--
53	Lodestar – Erdman line 138-kV line X-48	2021	2021	4	Improve condition and increase reliability performance of existing line	--	--
54	Rebuild Finger Road -Canal 69-kV line J-10	2021	2021	4	Improve condition and increase reliability performance of existing line	A	8841
55	Rebuild Neevin - Butte Des Morts 138-kV line 43021	2021	2021	4	Improve condition and increase reliability performance of existing line	Targeted A	12185
56	Rebuild Pioneer - Sobieski 69-kV line E-83 Tap	2021	2021	4	Improve condition and increase reliability performance of existing line	Targeted B	12144
57	Rebuild Sobieski - Bayport 69-kV line T-98	2021	2021	4	Improve condition and increase reliability performance of existing line	Targeted B	12143
58	Rebuild Sunset Point - Mears - Woodenshoe - Neevin 138-kV lines A-79, MCRG21 and 80952	2021	2021	4	Improve condition and increase reliability performance of existing line	Targeted A	12185
59	Edgewater – Erdman line 69kV line Y-31	2022	2022	4	Improve condition and increase reliability performance of existing line	--	--
60	Rebuild Danz - Finger Road 69-kV line L-64	2022	2022	4	Improve condition and increase reliability performance of existing line	Targeted B	12141

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61	Rebuild Finger Road - Highway V 69-kV line U-47	2022	2022	4	Improve condition and increase reliability performance of existing line	Targeted B	12140
62	Rebuild Highway V - Oak Street 69-kV line Z-26	2022	2022	4	Improve condition and increase reliability performance of existing line	Targeted B	12137
63	Rebuild Custer - New Holstein 69-kV line P-68	2022	2022	4	Improve condition and increase reliability performance of existing line	B	7584
64	Rebuild Manrap - Wesmark 69-kV line R-44	2022	2022	4	Improve condition and increase reliability performance of existing line	Targeted B	12135
65	Rebuild Finger Road SW STA – Wesmark 69-kV line FIRY11	2022	2022	4	Improve condition and increase reliability performance of existing line	Targeted B	12134
66	Danz Ave – University (WPS) 69-kV line O-15	2023	2023	4	Improve condition and increase reliability performance of existing line	--	--
67	Racine 345-kV Substation	2019	2019	5	End of life, bushing leaks (2 units) 345 kV, live tank, free standing CTs (1 unit) 345 kV	B	9991
68	Rebuild St. Martins - Edgewood 138-kV line 3013	2019	2019	5	Improve condition and increase reliability performance of existing line	A	3510
69	Rebuild and add breaker on Edgewood - Mukwonago 138-kV line 671K61	2019	2019	5	Improve condition and increase reliability performance of existing line	A	3510
70	Granville 345/138-kV T3	2021	2021	5	Improve condition, reliability	--	--
71	Rebuild Paris – Burlington 138-kV line 8962	2021	2021	5	Improve condition and increase reliability performance of existing line	--	--
72	Arcadian 345/138-kV T2 & T3	2022	2022	5	Improve condition, reliability	--	--
73	Rebuild St. Lawrence – Barton 138-kV line 8032	2022	2022	5	Improve condition and increase reliability performance of existing line	--	--
74	Rebuild Barton – Auburn 138-kV line 9752	2022	2022	5	Improve condition and increase reliability performance of existing line	--	--
75	Rebuild Summit -Cooney 138-kV line 6431	2023	2023	5	Improve condition and increase reliability performance of existing line	--	--
76	Rebuild Mukwonago-Whitewater 138-kV line 77353	2025	2025	5	Improve condition and increase reliability performance of existing line	--	--
77							
78							
79	Legend						
80	No Shading = No change to project since previous Assessment						
81	Green Shading = need year change						