

*Table AR-1
Transmission System Additions – Asset Renewal Line Work*

System Additions	Projected In-Service Year	Project Status	Planning Zone	MISO MTEP Appendix Status	MTEP PRJiD	Need Category
Rebuild Wautoma - Montello 69-kV line Y17	2016	Planned	1	A	4711	Improve condition and increase reliability performance of existing line
Rebuild Whiting Avenue-Plover 115-kV line B-106	2018	Planned	1	Targeted A 16	9423	Improve condition and increase reliability performance of existing line
Partial Rebuild North Point - Rocky Run 115-kV line T-20	2019	Provisional	1	--	--	Improve condition and increase reliability performance of existing line
Rebuild Wild Rose Pumping Station - Harrison 69-kV line Y19	2020	Provisional	1	Target B 17	12147	Improve condition and increase reliability performance of existing line
Rebuild Coyne - Saratoga 115-kV line T-72	2020	Planned	1	Target A 17	12178	Improve condition and increase reliability performance of existing line
Partial rebuild Petenwell - Saratoga 138-kV line X-43	2020	Provisional	1	--	--	Improve condition and increase reliability performance of existing line
Partial rebuild Coyne - Plover 115-kV line J-114	2020	Provisional	1	--	--	Improve condition and increase reliability performance of existing line
Rebuild Lincoln Pump Sta. - Chaffee Creek 69-kV line Y18	2021	Provisional	1	Targeted B 16	10486	Improve condition and increase reliability performance of existing line
Rebuild West Wisconsin Rapids – Sigel 69-kV line Y45	2021	Provisional	1	B	8263	Improve condition and increase reliability performance of existing line
Rebuild Wautoma – Chaffee Creek 69-kV line Y49	2021	Provisional	1	B	7764	Improve condition and increase reliability performance of existing line

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Rebuild Lincoln Pump Sta. - McKenna 69-kV line Y145	2023	Provisional	1	B	7765	Improve condition and increase reliability performance of existing line
Rebuild McKenna - Castle Rock 69-kV line Y47	2023	Provisional	1	B	7763	Improve condition and increase reliability performance of existing line
Partial rebuild Munising-Blaney Park 69-kV line Inland	2017	Planned	2	A	3096	Improve condition and increase reliability performance of existing line
Re-insulate Munising - Gwinn 69-kV line (Autrain line) – Double circuited portion with Munising 138	2017	Planned	2	--	--	Improve condition and increase reliability performance of existing line
Partial rebuild Munising-Gwinn 69-kV line (Autrain line) – Single circuit portion	2017	Planned	2	--	--	Improve condition and increase reliability performance of existing line
Partial rebuild 9 Mile-Detour 69-kV line 6950	2017	Planned	2	Targeted A 16	10404	Improve condition and increase reliability performance of existing line
Partial rebuild Pine River-Hiawatha 69-kV line ESE_6908	2018	Planned	2	--	--	Improve condition and increase reliability performance of existing line
Rebuild North Lake – Greenstone 69-kV line NLKY11	2023	Provisional	2	--	--	Improve condition and increase reliability performance of existing lines
Re-insulate Portage - 9 Mile 69-kV lines 6901/6902	2023	Provisional	2	---	---	Improve condition and increase reliability performance of existing lines
Re-insulate Gwinn- KI Sawyer 69-kV line Sawyer	2023	Provisional	2	--	--	Improve condition and increase reliability performance of existing line

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Partial rebuild Chandler-Delta (UPPCO) 69-kV line Delta 1	2023	Provisional	2	--	--	Improve condition and increase reliability performance of existing line
Partial rebuild Conover-Mass 69-kV line 6530	2025	Provisional	2	--	--	Improve condition and increase reliability performance of existing line
Partial rebuild 9 Mile SW STA - Pine River 69-kV lines 6921/23	2025	Provisional	2	--	--	Improve condition and increase reliability performance of existing line
Partial rebuild Blaney Park SW STA – Mich. Limestone Quarry Tap 69-kV line 6914	2025	Provisional	2	--	--	Improve condition and increase reliability performance of existing line
Rebuild Portage - Dam Heights 69-kV line Y16	2017	Planned	3	A	3813	Improve condition and increase reliability performance of existing line
Partial rebuild Kegonsa - Sun Prairie 69-kV line Y81	2017	Planned	3	Targeted A 16	10403	Improve condition and increase reliability performance of existing line
Rebuild Boscobel - Lone Rock 69-kV line Y124	2019	Planned	3	Targeted A 16	7583	Improve condition and increase reliability performance of existing line
Rebuild Portage – Staff 138-kV X6	2019	Planned	3	Targeted B 16, Target A 17	9968	Improve condition and increase reliability performance of existing line
Rebuild Staff – North Randolph 138-kV X98	2019	Planned	3	Targeted B 16, Target A 17	9974	Improve condition and increase reliability performance of existing line
Rebuild Sheepskin – Stoughton 69-kV line Y12	2020	Planned	3	B, Target A 17	7600	Improve condition and increase reliability performance of existing line

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Rebuild Dane - Waunakee 69-kV line Y143	2020	Planned	3	Target A 17	12177	Improve condition and increase reliability performance of existing line
Re-insulate Academy – North Randolph 138-kV line X5	2021	Provisional	3	--	--	Improve condition and increase reliability performance of existing line
Rebuild Darlington – Hillman 138-kV line X14	2023	Provisional	3	--	4726	Improve condition and increase reliability performance of existing line
Rebuild South Fond Du Lac SW YD – Spring Brook Road 69-kV line Y133	2023	Provisional	3	--	--	Improve condition and increase reliability performance of existing line
Rebuild Academy – Columbus 69-kV line Y21	2023	Provisional	3	Targeted B 16	10590	Improve condition and increase reliability performance of existing line
Rebuild South Beaver Dam - Horicon 69-kV line Y134	2024	Provisional	3	--	--	Improve condition and increase reliability performance of existing line
Rebuild Ohmstead - Cedar Ridge Wind Generation 138-kV line X2	2018	Planned	4	Target A 17	12150	Improve condition and increase reliability performance of existing line
Partial rebuild Howard - Pulliam 138-kV line D-82	2019	Provisional	4	--	--	Improve condition and increase reliability performance of existing line
Rebuild Cedar Ridge Wind Generation - Mullet River 138-kV line X97	2019	Planned	4	Target A 17	12148	Improve condition and increase reliability performance of existing line
Rebuild Goodman - Caldron Falls 69-kV line J-88	2020	Planned	4	Targeted A 16	9977	Improve condition and increase reliability performance of existing line

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Rebuild Finger Road -Canal 69-kV line J-10	2021	Planned	4	Targeted A 16	8841	Improve condition and increase reliability performance of existing line
Rebuild Neevin - Butte Des Morts 138-kV line 43021	2021	Planned	4	Target A 17	12185	Improve condition and increase reliability performance of existing line
Rebuild Pioneer - Sobieski 69-kV line E-83 Tap	2021	Provisional	4	Target B 17	12144	Improve condition and increase reliability performance of existing line
Rebuild Sobieski - Bayport 69-kV line T-98	2021	Provisional	4	Target B 17	12143	Improve condition and increase reliability performance of existing line
Rebuild Sunset Point - Mears - Woodenshoe - Neevin 138-kV lines A-79, MCRG21 and 80952	2021	Planned	4	Target A 17	12185	Improve condition and increase reliability performance of existing line
Rebuild Danz - Finger Road 69-kV line L-64	2022	Provisional	4	Target B 17	12141	Improve condition and increase reliability performance of existing line
Rebuild Finger Road - Highway V 69-kV line U-47	2022	Provisional	4	Target B 17	12140	Improve condition and increase reliability performance of existing line
Rebuild Highway V - Oak Street 69-kV line Z-26	2022	Provisional	4	Target B 17	12137	Improve condition and increase reliability performance of existing line
Rebuild Custer - New Holstein 69-kV line P-68	2022	Provisional	4	B	7584	Improve condition and increase reliability performance of existing line
Rebuild Manrap - Wesmark 69-kV line R-44	2022	Provisional	4	Target B 17	12135	Improve condition and increase reliability performance of existing line

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Rebuild Finger Road SW STA – Wesmark 69-kV line FIRY11	2022	Provisional	4	Target B 17	12134	Improve condition and increase reliability performance of existing line
Rebuild St. Martins - Edgewood 138-kV line 3013	2019	Planned	5	A	3510	Improve condition and increase reliability performance of existing line
Rebuild and add breaker on Edgewood - Mukwonago 138-kV line 671K61	2019	Planned	5	A	3510	Improve condition and increase reliability performance of existing line
Rebuild Paris – Burlington 138-kV line 8962	2021	Provisional	5	--	--	Improve condition and increase reliability performance of existing line
Rebuild St. Lawrence – Barton 138-kV line 8032	2022	Provisional	5	--	--	Improve condition and increase reliability performance of existing line
Rebuild Barton – Auburn 138-kV line 9752	2022	Provisional	5	--	--	Improve condition and increase reliability performance of existing line
Rebuild Summit -Cooney 138-kV line 6431	2023	Provisional	5	--	--	Improve condition and increase reliability performance of existing line
Rebuild Mukwonago-Whitewater 138-kV line 77353	2025	Provisional	5	--	--	Improve condition and increase reliability performance of existing line