

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

System Additions	Projected In-Service Year	Project Status	Planning Zone	Need Category
Rebuild Wautoma - Montello 69-kV line Y17	2016	Planned	1	Improve condition and increase reliability performance of existing line
Rebuild North Point - Rocky Run 115-kV line T-20	2019	Provisional	1	Improve condition and increase reliability performance of existing line
Rebuild Whiting Avenue-Plover 115-kV line B-106	2019	Planned	1	Improve condition and increase reliability performance of existing line
Rebuild Wautoma - Harrison 69-kV line Y19	2020	Provisional	1	Improve condition and increase reliability performance of existing line
Partial rebuild Coyne - Saratoga 115-kV line T-72	2020	Provisional	1	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	Improve condition and increase reliability performance of existing line
Rebuild West Wisconsin Rapids – Sigel 69-kV line Y45	2021	Provisional	1	Improve condition and increase reliability performance of existing line
Rebuild Wautoma – Chaffee Creek 69-kV line Y49	2021	Provisional	1	Improve condition and increase reliability performance of existing line
Rebuild Lincoln Pump Sta. - McKenna 69-kV line Y145	2023	Provisional	1	Improve condition and increase reliability performance of existing line
Rebuild McKenna - Castle Rock 69-kV line Y47	2023	Provisional	1	Improve condition and increase reliability performance of existing line
Partial rebuild Munising-Blanney Park 69-kV line Inland	2017	Provisional	2	Improve condition and increase reliability performance of existing line
Re-insulate Munising - Gwinn 69-kV line (Autrain line) – Double circuited portion with Munising 138	2018	Planned	2	Improve condition and increase reliability performance of existing line
Partial rebuild Munising-Gwinn 69-kV line (Autrain line) – Single circuit portion	2018	Planned	2	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

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Transmission System Additions – Asset Renewal Line Work (Continued)*

System Additions	Projected In-Service Year	Project Status	Planning Zone	Need Category
Re-insulate Portage - 9 Mile 69-kV lines 6901/6902	2023	Provisional	2	Improve condition and increase reliability performance of existing lines
Partial rebuild Conover-Mass 69-kV line 6530	2023	Provisional	2	Improve condition and increase reliability performance of existing line
Partial rebuild Powers-Chalk Hill 69-kV line 6910	2023	Provisional	2	Improve condition and increase reliability performance of existing line
Re-route/Rebuild Prairie du Sac Dam Crossing, Dam Heights - Dane 69-kV line Y8	2015	Planned	3	Improve condition and increase reliability performance of existing line
Rebuild Rubicon - Concord 138-kV line 9061	2016	Planned	3	Improve condition and increase reliability performance of existing line
Rebuild Portage - Dam Heights 69-kV line Y16	2017	Planned	3	Improve condition and increase reliability performance of existing line
Rebuild Boscobel - Lone Rock 69-kV line Y124	2019	Planned	3	Improve condition and increase reliability performance of existing line
Partial Rebuild Portage – Staff 138-kV X6	2019	Provisional	3	Improve condition and increase reliability performance of existing line
Partial Rebuild Staff – North Randolph 138-kV X98	2019	Provisional	3	Improve condition and increase reliability performance of existing line
Rebuild South Beaver Dam - Horicon 69-kV line Y134	2020	Provisional	3	Improve condition and increase reliability performance of existing line
Rebuild Dane - Waunakee 69-kV line Y143	2020	Provisional	3	Improve condition and increase reliability performance of existing line
Rebuild Darlington – Hillman 138-kV line X14	2023	Provisional	3	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 Sheepskin – Stoughton 69-kV line Y12	2023	Provisional	3	Improve condition and increase reliability performance of existing line
Rebuild Academy – Columbus 69-kV line Y21	2023	Provisional	3	Improve condition and increase reliability performance of existing line
Rebuild Sawyer - Dyckesville 69-kV line DYKY21	2016	Planned	4	Improve condition and increase reliability performance of existing line
Rebuild Butte des Morts - North Appleton 138-kV line 6853	2017	Planned	4	Improve condition and increase reliability performance of existing line

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Transmission System Additions – Asset Renewal Line Work (Continued)*

System Additions	Projected In-Service Year	Project Status	Planning Zone	Need Category
Rebuild Goodman - Caldron Falls 69-kV line J-88	2019	Proposed	4	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 Finger Road – Canal 69-kV line J-10	2019	Planned	4	Improve condition and increase reliability performance of existing line
Rebuild Neevin - Butte Des Morts 138-kV line 43021	2021	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Pioneer - Sobieski 69-kV line E-83 Tap	2021	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Sobieski - Bayport 69-kV line T-98	2021	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Sunset Point-Mears - Woodenshoe - Neevin 138-kV lines A-79, MCRG21 and 80952	2021	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Danz - Finger Road 69-kV line L-64	2022	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Finger Road - Highway V 69-kV line U-47	2022	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Highway V - Oak Street 69-kV line Z-26	2022	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Custer - New Holstein 69-kV line P-68	2022	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Manrap - Wesmark 69-kV line R-44	2022	Provisional	4	Improve condition and increase reliability performance of existing line
Rebuild Finger Road SW STA – Wesmark 69-kV line FIRY11	2022	Provisional	4	Improve condition and increase reliability performance of existing line
Partial rebuild Merrill Hills - Waukesha 138-kV line 7021	2015	Planned	5	Improve condition and increase reliability performance of existing line
Rebuild St. Martins - Edgewood 138-kV line 3013	2018	Planned	5	Improve condition and increase reliability performance of existing line

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System Additions	Projected In-Service Year	Project Status	Planning Zone	Need Category
Rebuild and add breaker on Edgewood - Mukwonago 138-kV line 671K61	2018	Planned	5	Improve condition and increase reliability performance of existing line
Rebuild Oak Creek SW YD – Hayes 138-kV line 811	2021	Provisional	5	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