

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

| <b>System Additions</b>   | <b>Projected In-Service Year</b> | <b>Planning Zone</b> | <b>Need Category</b>  |
|---|----------------------------------|----------------------|---|
| Partial Rebuild Castle Rock - Hilltop (ALTE) 69kV Y39   | 2014                             | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild Wautoma - Montello 69-kV line Y17   | 2016                             | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild North Point - Rocky Run 115-kV line T-20  | 2019 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild Whiting Avenue-Plover 115-kV line B-106   | 2019 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild Wautoma - Harrison 69-kV line Y19   | 2020 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Partial rebuild Coyne - Saratoga 115-kV line T-72   | 2020 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Partial rebuild Petenwell - Saratoga 138-kV line X-43   | 2020 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Partial rebuild Coyne - Plover 115-kV line J-114  | 2020 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild Lincoln Pump Sta. - Chaffee Creek 69-kV line Y18  | 2021 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild West Wisconsin Rapids – Sigel 69-kV line Y45  | 2021 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild Wautoma – Chaffee Creek 69-kV line Y49  | 2021 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild Lincoln Pump Sta. - McKenna 69-kV line Y145   | 2023 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Rebuild McKenna - Castle Rock 69-kV line Y47  | 2023 (P)                         | 1                    | Improve condition and increase reliability performance of existing line |
| Re-insulate Sawyer - Gwinn 69-kV line (Sawyer line)   | 2014                             | 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 | 2015                             | 2                    | Improve condition and increase reliability performance of existing line |
| Partial rebuild Pine River-Hiawatha 69-kV line ESE_6908   | 2015                             | 2                    | Improve condition and increase reliability performance of existing line |
| Partial rebuild Munising-Gwinn 69-kV line (Autrain line) – Single circuit portion                   | 2017                             | 2                    | Improve condition and increase reliability performance of existing line |

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| System Additions   | Projected In-Service Year | Planning Zone | Need Category  |
|--|---------------------------|---------------|--|
| Re-insulate Portage - 9 Mile 69-kV lines 6901/6902                             | 2023 (P)                  | 2             | Improve condition and increase reliability performance of existing lines |
| Partial rebuild Conover-Mass 69-kV line 6530                                   | 2023 (P)                  | 2             | Improve condition and increase reliability performance of existing line  |
| Partial rebuild Powers-Chalk Hill 69-kV line 6910                              | 2023 (P)                  | 2             | Improve condition and increase reliability performance of existing line  |
| Rebuild Paddock – Shaw 69kV 69-kV line Y54                                     | 2014                      | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Eden - Hillman 69-kV line Y105   | 2015                      | 3             | 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                      | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Rubicon - Concord 138-kV line 9061                                     | 2016                      | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Rubicon - Butler Ridge 138-kV line RUBG11                              | 2016                      | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Butler Ridge - Hartford 138-kV line HTFG51                             | 2016                      | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Portage - Dam Heights 69-kV line Y16                                   | 2017                      | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Boscobel - Lone Rock 69-kV line Y124                                   | 2018                      | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild South Beaver Dam - Horicon 69-kV line Y134                             | 2020 (P)                  | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Darlington – Hillman 138-kV line X14                                   | 2023 (P)                  | 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 (P)                  | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Sheepskin – Stoughton 69-kV line Y12                                   | 2023 (P)                  | 3             | Improve condition and increase reliability performance of existing line  |
| Rebuild Academy – Columbus 69-kV line Y21                                      | 2023 (P)                  | 3             | Improve condition and increase reliability performance of existing line  |

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| <b>System Additions</b>  | <b>Projected In-Service Year</b> | <b>Planning Zone</b> | <b>Need Category</b>  |
|--|----------------------------------|----------------------|---|
| Rebuild Lost Dauphin – Glenview 69-kV line F-6                                       | 2014                             | 4                    | Improve condition and increase reliability performance of existing line |
| Partial Rebuild North Appleton – Kewaunee SW YD 345kV R-304                          | 2015                             | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Sawyer - Dyckesville 69-kV line DYKY21                                       | 2016                             | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Butte des Morts - North Appleton 138-kV line 6853                            | 2017                             | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Goodman - Caldron Falls 69-kV line J-88                                      | 2019 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Partial rebuild Howard - Pulliam 138-kV line D-82                                    | 2019 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Neevin - Butte Des Morts 138-kV line 43021                                   | 2021 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Pioneer - Sobieski 69-kV line E-83 Tap                                       | 2021 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Sobieski - Bayport 69-kV line T-98   | 2021 (P)                         | 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 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Danz - Finger Road 69-kV line L-64   | 2022 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Finger Road - Highway V 69-kV line U-47                                      | 2022 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Highway V - Oak Street 69-kV line Z-26                                       | 2022 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Custer - New Holstein 69-kV line P-68  | 2022 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |
| Rebuild Manrap - Wesmark 69-kV line R-44   | 2022 (P)                         | 4                    | Improve condition and increase reliability performance of existing line |

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| Rebuild Finger Road SW STA – Wesmark 69-kV line FIRY11             | 2022 (P)                  | 4             | Improve condition and increase reliability performance of existing line |
| Rebuild Finger Road – Canal 69-kV line J-10                        | 2023 (P)                  | 4             | Improve condition and increase reliability performance of existing line |
| Rebuild Albers - Paris 138-kV line 3124                            | 2015                      | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild Cooney - Concord 138-kV line 9042                          | 2015                      | 5             | Improve condition and increase reliability performance of existing line |
| Partial rebuild Summit - Merrill Hills 138-kV line 3551            | 2015                      | 5             | Improve condition and increase reliability performance of existing line |
| Partial rebuild Merrill Hills - Waukesha 138-kV line 7021          | 2016                      | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild Hartford - St. Lawrence 138-kV line 8031                   | 2016                      | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild St. Martins - Edgewood 138-kV line 3013                    | 2017                      | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild and add breaker on Edgewood - Mukwonago 138-kV line 671K61 | 2017                      | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild Oak Creek SW YD – Hayes 138-kV line 811                    | 2019 (P)                  | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild Summit -Cooney 138-kV line 6431                            | 2021 (P)                  | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild Paris – Burlington 138-kV line 8962                        | 2021 (P)                  | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild St. Lawrence – Barton 138-kV line 8032                     | 2022 (P)                  | 5             | Improve condition and increase reliability performance of existing line |
| Rebuild Barton – Auburn 138-kV line 9752                           | 2022 (P)                  | 5             | Improve condition and increase reliability performance of existing line |

(P) – indicates the project is Provisional in status