

Table PF-1*Projects included in the 2025 Project -Deficient 10-Year Assessment Model*

System Changes	Planning Zone
Wautoma 138/69-kV Transformer Replacement	1
Y-18 (Chafee Creek – Lincoln Pumping Station) 69-kV Line Rebuild	1
X-159 (7 Mile Creek – Port Edwards) 138-kV Line Uprate	1
Y-45 (Northern Steel Castings – Northern Steel Castings Tap) 69-kV line retirement	1
Z-52 (Weston - Sherman Street) 115-kV Line Uprate	1
X-159 (7 Mile Creek – Port Edwards) 138-kV Line Uprate	1
Waupaca Area Energy Storage Project	1
X-11 (7 Mile Creek - Sand Lake) 138-kV Line Uprate	1
X-11 (Sand Lake - Wautoma) 138-kV Line Uprate	1
Rocky Run 345/115-kV T1 Transformer Replacement	1
Kelly 115/46-kV Bank1 Transformer Replacement	1
Y-145 (Lincoln Pumping Station – McKenna) 69-kV Line Rebuild	1
Hodag Bank 2 T-D Interconnection	1
Negaunee T-D Interconnection	2
Winona69 (Winona – Atlantic) 69-kV Line Rebuild	2
Empire 138-kV Substation Asset Renewal and Reconfiguration	2
Pineau - Plant5 69-kV T-T Interconnection	2
Greenwood 50 MVar 138-kV STATCOM	2
X-118 (Presque Isle – Huron) 138-kV Line Uprate	2
Keel Ridge T-D Interconnection	2
J1251 Marquette County Solar G-T Interconnection	2
W-18 (Hill Valley – Cardinal) 345-kV Line	3
Hill Valley 345/138 kV Transformer	3
Hill Valley 80 MVar 345-kV Shunt Reactor	3
X-127 (Hill Valley – Eden) 138-kV Line Reconductor	3
Tokay T1 T-D Interconnection	3
J1003 Beaver Dam Solar G-T Interconnection	3
Sharon West T-D Interconnection	3
J947 Grant Co Solar G-T Interconnection	3
Q-40 (Nelson Dewey - Turkey River) 161-kV Reconfiguration	3
Y-59 (South Beaver Dam – Center Street) 69-kV Line Uprate	3
X-74 (Rock River -Townline Rd) 138-kV Line Uprate	3
Rock River 138-kV Bus Tie 2-3 Uprate	3
Hillman 138/69-kV Transformer Replacement	3
Sun Prairie Business Park T-D Interconnection	3
Y-170 (Spring Green – Wick Drive) 69-kV Line Uprate	3
W-19 (Hickory Creek - Hill Valley) 345-kV Line	3
Rock River T-D Interconnection	3
J850 Darien Solar Energy Center G-T Interconnection	3
Kittyhawk 138-kV Bus	3
Kittyhawk 345/138-kV T1 Transformer	3
Kittyhawk 345/138-kV T2 Transformer	3

X-95 (Bass Creek – Townline Rd) 138-kV loop into Kittyhawk	3
X-155 (Big Hill Park – Townline Rd) 138-kV loop into Kittyhawk	3
X-126 (Kittyhawk – Townline Rd) 138-kV Line	3
X-23 (Rock River – Marine Tap) 138-kV Line Uprate	3
Hampden 69-kV Capacitor Retirement	3
Vinburn 69-kV Capacitor Installation	3
Duck Creek T-D Interconnection	3
Gaston Rd T-D Interconnection	3
Artesian T-D Interconnection	3
6902 (Gateway – Sycamore) 69-kV Line Rebuild	3
J818 Badger State Solar G-T Interconnection	3
9043 (Concord – Crawfish River) 138-kV Line Uprate	3
Union Townline T-D Interconnection	3
Reedsburg Substation Retirement	3
Lancaster 138/69-kV T31 Transformer Retirement	3
6937 (Huiskamp – Ruskin) 69-kV Partial Line Rebuild	3
Rock River 138-kV Bus Tie 1-3 Uprate	3
EAKY11 (East Krok – Beardsley St) 69-kV Line Uprate	4
Q-147 (Lost Dauphin – Red Maple) 138-kV Line Uprate	4
E-5 (Sunset Point – Bowen) 69-kV Line Uprate	4
Apple Hills T9 T-D Interconnection	4
Anderson Creek T-D Interconnection	4
Scott Paper 69-kV Substation Rebuild	4
Woodenshoe T8 T-D Transformer Replacement	4
Y-299 (West Marinette – Wells St) 69-kV Line	4
Y-31 (Nicolet - 32nd St) 69-kV Partial Reconductor	4
X-48 (Lodestar – Erdman) 138-kV Partial Reconductor	4
Q-303 (Kewaunee – Point Beach) 345-kV Line Uprate	4
R-44 (Wesmark – Kellnersville - Rapids) 69-kV Rebuild	4
Lodestar 138-kV Substation Asset Renewal	4
Kohler T-D Interconnection	4
Eaton T-D Interconnection	4
Pulliam 69-kV Bus Reconfiguration	4
Pulliam 138/69-kV T16 Transformer Retirement	4
B-2/E-83 (Pioneer – Crivitz) 69-kV Line Retirements	4
Crivitz 138/69-kV T1 Transformer Replacement	4
Crivitz 138/69-kV T3 Transformer Replacement	4
North Appleton 345/138-kV T7 Transformer Replacement	4
North Appleton 34.5-kV Reactor R7 & R8 Replacement with 24.9-kV units	4
Edgewater 345-kV Bus 3-5 Reconfiguration	4
R1014 Edgewater Energy Storage G-T Interconnection	4
Ellisville T-D Interconnection	4
Kenosha 138-kV Substation Asset Renewal	5
Lakeview 138-kV Substation Asset Renewal	5
St Rita 12.7 MVar 24.9-kV Distribution Capacitor Bank Retirement	5
Dewey 138-kV Substation Asset Renewal	5

X-132 (Port Washington – Saukville) 138-kV Partial Rebuild/Line Reconductor	5
X-133 (Port Washington – Saukville) 138-kV Partial Rebuild/Line Reconductor	5
Branch 138-kV Substation Asset Renewal	5
Arcadian 345-kV Substation Reconfiguration	5