

**Table PF-1***Projects included in the 2023 Project -Deficient 10-Year Assessment Model*

<b>System Changes</b>	<b>Planning Zone</b>
Sand Lake 138/69-kV Transformer Replacement	1
J986 Wood Co Solar G-T Interconnection	1
Waupaca Substation Rebuild	1
Waupaca Area Energy Storage Project	1
Wautoma 69-kV Bus Uprate	1
Mauston T-D Interconnection Retirement	1
ALTE Wittenburg T-D Interconnection Retirement	1
Port Edwards T41 T-D Interconnection Retirement	1
J1002 Wautoma Solar G-T Interconnection	1
X-43 (Petwenwell - Saratoga) 138-kV Rebuild	1
Saratoga 69-kV Mobile Capacitor Removal	1
J1183 Garden Solar II G-T Interconnection	2
J1183 Garden Solar II GSU Replacement	2
PI336 (Presque Isle – Tilden) 138-kV Loop into the National Substation	2
Masonville T-D Interconnection	2
Greenstone T-D Interconnection	2
Atlantic Substation Reconfiguration & 138/69-kV Transformer Replacement	2
9042 (Concord – Cooney) 138-kV Reconductor	3
Y-61 (LaMar – Sheepskin) 69-kV Rerate	3
J818 Badger State Solar G-T Interconnection	3
Dane County Airport DER Solar 1750kW Addition	3
O’Brien DER Solar Phase1 500kW Addition	3
O’Brien DER Solar Phase2 750kW Addition	3
O’Brien DER Solar Phase3 750kW Addition	3
Brodhead Muni #4 T-D Interconnection	3
Mukwonago Substation Asset Renewal	3
Y-138 (Eden – Mineral Point) 69-kV Loop into Highland Substation	3
Waterloo T-D Interconnection	3
Portage Industrial Park Energy Storage	3
Hermsdorf DER Solar	3
Muscoda Industrial Park T-D Interconnection Substation Rebuild	3
Sun Prairie 69-kV Capacitor Uprate	3
New Glarus T-D Interconnection Substation Rebuild	3
J1188 North Rock Solar G-T Interconnection	3
J1154 Crawfish River Solar G-T Interconnection	3
J864 Bear Creek Solar G-T Interconnection	3
J850 Darien Solar G-T Interconnection	3
X-55 (Elkhorn – North Lake Geneva) 138-kV Uprate	3
X-81 (Bristol - Elkhorn) 138-kV Uprate	3
X-95 (Bass Creek – Townline Rd) 138-kV Reconductor	3
6541 (North Lake Geneva Tap – Burlington) 138-kV Uprate	3
6927 (West Middleton – Stage Coach) 69-kV Rebuild	3

McFarland T32 T-D Interconnection	3
McCue 69-kV Breaker Replacements	3
J871_Badger Hollow Solar G-T Interconnection	3
Bluff Creek LNG T-D Interconnection	3
Blackhawk T2 T-D Interconnection	3
J1000_Cassville_Solar G-T Interconnection	3
6654 (Crawfish River - Jefferson) 138-kV Uprate	3
9043 (Concord - Crawfish River) 138-kV Uprate	3
Sun Prairie Business Park Substation Reconfiguration	3
Hillman 138/69-kV Transformer Replacement	3
Rock River 138-kV Bus Tie Switch Replacement	3
Tokay T1 T-D Interconnection	3
Bonnie Rd T-D Interconnection	3
Riverside 69-kV Bus Uprate	4
20 <sup>th</sup> St 138-kV Capacitors	4
U-47 (Finger Rd – Highway V) 69-kV Rebuild	4
Menominee T-D Interconnection Retirement	4
Shoto 138/69-kV T2 Replacement	4
Caroline 69/34.5-kV Transformer Retirement	4
Little River T-D Interconnection	4
E-83 (Pioneer Tap – Sobieski) 69-kV Retirement	4
T-98 (Sobieski – Pulliam) 69-kV Retirement	4
X-146 (Pioneer – Suamico) 138-kV Built on the former E-83/T-98 ROW	4
X-153 (Suamico – Bayport) 138-kV Built on the former E-83/T-98 ROW	4
Kewaunee 345/138-kV T10 Retirement	4
Erdman 138/69-kV Transformer Replacement	4
L-64 (Finger Rd – Danz Ave) 69-kV Rebuild	4
Preble T4 T-D Interconnection	4
T-98_Polish_King-Suamico_138kV_Rbld	4
Bay Ridge T-D Interconnection	4
Edgewater 345-kV Bus Reconfiguration	4
P-68 (New Holstein – Custer) 69-kV Rebuild	4
J1153_Onion_River_Solar G-T Interconnection	4
Scott Paper Substation Rebuild	4
B-2/E-83 (Pioneer – Crivitz) 69-kV Double Circuit Retirement	4
Ninth Rd T-D Interconnection	4
FIRY11 (Finger Rd – Wesmark) 69-kV Rebuild	4
X-154 (Highway V -Preble) 138-kV Reconductor	4
J1171_Springfield_Solar G-T Interconnection	4
Northview T-D Interconnection	4
Kohler/Lodestar Substation Reconfiguration	4
Burlington Substation Asset Renewal	5
Port Washington Redundant Bus Differential Relays	5
X-114/X-134 (Port Washington -Saukville) 138-kV Rebuild	5
Mt Pleasant Tech T1-T4 T-D Interconnection	5
8032 (St Lawrence – Barton) 138-kV Rebuild	5

Germantown T7 T-D Interconnection	5
PARG51 (Paris – Berryville) 138-kV Add Line Breaker at Paris	5
9752 (Auburn – Barton) 138-kV Rebuild	5
2222 (Pleasant Prairie – Arcadian) 345-kV Loop into Paris	5
J878_Paris Solar G-T Interconnection	5
Mt Pleasant Tech W1-W2 T-D Interconnection	5