

Table PF-2*Projects included in the 2030 Project -Deficient 10-Year Assessment Model**

System Changes	Planning Zone
S1018 Wood County Energy Storage	1
Superior 345-kV Switching Station	1
Y-107 (Sigel-Vesper Tap-Auburn Tap) 69-kV Partial Line Rebuild	1
Y-108 (Vesper Tap-Pittsville) 69-kV Partial Line Rebuild	1
Oxford T-D Interconnection	1
Y-70 (Iola – Harrison Tap) 69-kV Line Rebuild	1
Y-71 (ATC Rosholt Tap – ALTE Rosholt Tap) 69-kV Rebuild	1
Colburn T-D Interconnection	1
Badger West 138/69-kV Transformer	1
Y-302 (Badger West – Colburn Tap) 69-kV Line	1
Rocky Run 345/138-kV T2 & T4 Transformer Replacement with a single unit	1
Y-74 (Hilltop – Council Creek) 69-kV Line Rebuild	1
Bridge Street 69-kV Switching Station	1
Northwest Ripon 5.4 MVAR 69-kV Capacitor bank Retirement	1
Saratoga 138/69-kV T33 Transformer Retirement	1
Jump River 345-kV Switching Station (LRTP Project)	1
Jump River 80 MVAR 345-kV Shunt Reactor (LRTP Project)	1
XEL's Tremval 345-kV Switching Station (LRTP Project)	1
XEL's Eau Claire – Jump River 345 kV Line (LRTP Project)	1
XEL's Eau Claire – Tremval 345 kV Line (LRTP Project)	1
J1573 Portage Solar G-T Interconnection	1
J1751 Saratoga Solar G-T Interconnection	1
U-11 (Hilltop – Pine) 115-kV Line	1
East Pittsville T-D Interconnection	1
Bogside 138-kV Switching Station	1
Bogside – East Pittsville 138-kV Line	1
J1508 Marathon Wind G-T Interconnection	1
J1752 Porch Light Solar G-T Interconnection	1
J1814 Copper Country Solar G-T Interconnection	2
J1750 Superior Solar G-T Interconnection	2
Union Townline T-D Interconnection	3
J1483 Badger Hollow Wind G-T Interconnection	3
S1016 Bear Creek Energy Storage G-T Interconnection	3
Y-21 (Academy – Columbus) 69-kV Line Rebuild	3
Belleville T2 T-D Interconnection	3
J1214 Koshkonong Solar G-T Interconnection	3
J1326 Koshkonong Energy Storage	3
Potosi 138-kV Substation Retirement	3
Belleville 69-kV Substation Rebuild	3
New South Lake Geneva T-D Interconnection	3
Manhattan 138-kV Switching Station	3

Table PF-2 (Cont.)*Projects included in the 2030 Project -Deficient 10-Year Assessment Model**

System Changes	Planning Zone
Manhattan 3x 16.33 MVar 138-kV Capacitor Banks	3
Dodge County T-D Interconnection	3
Poynette 69-kV Substation Rebuild	3
Welsh Prairie 345-kV Switching Station	3
J1629 Ursa Solar G-T Interconnection	3
S1025 North Rock Energy Storage	3
Brawndo Switching Station	3
Rock County LNG T-D Interconnection	3
X-127 (Hill Valley – Eden) 138-kV Line Reconnector	3
X-147 (Eden – Highland) 138-kV Line Rebuild	3
Blitz 345-kV Switching Station	3
J1377 Rock County Solar G-T Interconnection	3
Kirkwood 138/69-kV Substation Asset Renewal	3
Kirkwood 138/69-kV T31 Transformer Replacement	3
J1779 Koshkonong Energy Center 2 Solar and Energy Storage	3
Cuba City South 69-kV substation Reconfiguration	3
Stoughton T41 T-D Interconnection Retirement	3
Bonnie Rd T-D Interconnection	3
Grant County Phase2 T-D Interconnection	3
Juneau 345-kV Switching Station	3
North Madison 80 MVar 345-kV Shunt Reactor Relocation to Juneau Switching Station	3
J1502 Juneau Solar G-T Interconnection	3
J1706 North Monroe Solar G-T Interconnection	3
J1732 Good Oak Solar G-T Interconnection	3
J1746 Columbia County Solar G-T Interconnection	3
Academy 138/69-kV Transformer Replacement	3
J1824 Gristmill Solar G-T Interconnection	3
J1773 Uplands Wind2 G-T Interconnection	3
J1781 Uplands Wind G-T Interconnection	3
J1615 Oconto County Solar G-T Interconnection	4
Z-26 (Oak St – Nicolet Paper – Highway V) 69-kV Line Rebuild	4
J1101 Two Creeks Energy Storage	4
Shoto 138/69-kV T1 Transformer Replacement	4
P-16 (Pulliam – Danz Ave) 69-kV Partial Line Rebuild	4
P-70 (Pulliam – Van Buren) 69-kV Partial Line Rebuild	4
J1513 Cloverleaf Solar G-T Interconnection	4
J1745 Winnebago County Solar G-T Interconnection	4
J1793 Onion River Solar2	4
South Fond du Lac 345-kV T21 & T22 Transformer Replacement with a Single Unit	4
Elm Rd Generation Tie Line Relocation	5
5066 (West Junction Tap – Bluemound) 138-kV Line Retirement	5

Table PF-2 (Cont.)*Projects included in the 2030 Project -Deficient 10-Year Assessment Model**

5066 (West Junction Tap – Bluemound) 138-kV Line Retirement	5
West Junction 138 kV Substation	5
Nimbus 49 MVar 138-kV Capacitor Bank	5
Stratus 138-kV Substation	5
Stratus 49 MVar 138-kV Capacitor Bank	5
Jupiter 345/138-kV Switching Station	5
Jupiter 345/138-kV T1 Transformer	5
Jupiter 345/138-kV T2 Transformer	5
Jupiter 345/138-kV T3 Transformer	5
Jupiter 345/138-kV T4 Transformer	5
Jupiter 49 MVar 138-kV Capacitor Bank	5
Jupiter 350 MVar 138-kV STATCOM	5
W-45 (Jupiter – Mount Pleasant) 345-kV Line	5
R1053 Oak Creek Generation Replacement	5
W-34 (Elm Rd – Racine) 345-kV Line	5
812 (Oak Creek – Racine) 138-kV Line Retirement	5
Oak Creek LNG T-D Interconnection	5
Mill Rd 345/138-kV Switching Station	5
Mill Rd 345/138-kV T1 Transformer	5
W-43 (Mill Rd – Granville) 345-kV Line	5
Butler 10 Ohm 138-kV Series Reactor	5
Sussex 10 Ohm 138-kV Series Reactor	5
J1778 Paris Solar2	5
Cosmos 345/138-kV Switching Station	5
Cosmos 345/138-kV T1 Transformer	5
Cosmos 345/138-kV T2 Transformer	5
Cosmos 345/138-kV T3 Transformer	5
Cosmos 345/138-kV T4 Transformer	5
Cosmos 2x 49 MVar 138-kV Capacitor Banks	5

**Projects included in addition to those listed in Table PF-1*