

Table PR-12
Transmission System Additions for 2018-2023

System Additions	System Need Year	Projected In-Service Year	Planning Zone	Need Category	Planned, Proposed or Provisional	Cost Estimate - Refer to Funding Project and Sum of Total (2008-2017) in Financial Table
Convert Necedah distribution substation from 69 kV to 138 kV	2018	2018	1	reliability	Provisional	F2560
Uprate Castle Rock-Mckenna 69-kV line	2018	2018	1	reliability	Provisional	F2491
Construct Fairwater-Mackford Prairie 69-kV line	2018	2018	1	reliability	Provisional	F2105
Reconfigure the North Randolph-Ripon 69-kV line to form a second Ripon-Metomen 69-kV line and retire the circuit between Metomen and the Mackford Prairie tap	2018	2018	1	reliability	Provisional	F2105
Construct a 345-kV bus, install a 345/138-kV 500 MVA transformer at North Randolph and loop the Columbia to South Fond Du Lac 345-kV line into the substation	2018	2018	3	reliability	Provisional	F2093
Install 2-16.33 Mvar 69-kV capacitor banks at North Monroe	2018	2018	3	reliability	Provisional	F2472
Replace the 1200 A breaker at Edgewater T22 345/138-kV transformer	2018	2018	4	reliability	Proposed	F1714
Replace two existing 138/69-kV transformers at Sunset Point Substation with 100 MVA transformers	2018	2018	4	reliability	Provisional	F2080
Install 2-16.3 MVAR capacitor bank at Aviation Substation	2018	2018	4	reliability	Provisional	F1923
Construct Spring Valley-Twin Lakes-South Lake Geneva 138-kV line	2018	2018	3 & 5	T-D interconnection, reliability	Provisional	TBD
Install 2-16.33 Mvar 69-kV capacitor banks at Rio	2019	2019	3	reliability	Provisional	TBD
Install a 12.2 MVAR capacitor bank at Hilltop 69-kV Substation	2023	2023	1	reliability	Provisional	F2476

Defined in Previous 10-Year Assessment
Revised in scope from Previous 10-Year Assessment
New to this 10-Year Assessment