

Table PR-18
Zone 5 Transmission System Additions

System Additions	System Need Year	Projected In-Service Year	Planning Zone	Need Category	Planned, Proposed or Provisional
Rebuild Pleasant Prairie 345-kV bus	2013	2013	5	operating flexibility	Proposed
Construct Pleasant Prairie-Zion Energy Center 345-kV line	2017	2014	5	economics	Proposed
Install 3-75 MVAR capacitor banks at Bluemound Substation	>2026	2015	5	reliability (B1)	Provisional
Construct 138-kV lines to serve Milwaukee County T-D interconnection	2015	2015	5	T-D interconnection	Proposed
Rebuild Arcadian-Waukesha 138-kV lines KK9942/KK9962	2016	2016	5	reliability (B2)	Proposed
Construct Spring Valley-Twin Lakes-South Lake Geneva 138-kV line	2019	2019	3 & 5	T-D interconnection, reliability (69B2)	Provisional
Replace two existing 345/138-kV transformers at Arcadian Substation with 1-500 MVA transformer	2023	2020	5	reliability (B3)	Provisional
Uprate Oak Creek-Bluemound 230-kV line	2021	2021	5	operating flexibility	Provisional
Upgrade Oak Creek-Pennsylvania 138-kV line	>2026	2022	5	reliability (B2)	Provisional
Reconductor Harbor-Kansas 138-kV line	2021	TBD	5	reliability	Provisional