

Table PR-17  
Zone 4 Transmission System Additions

System Additions	System Need Year	Projected In-Service Year	Planning Zone	Need Category	Planned, Proposed or Provisional
Rebuild 2.37 miles of 69 kV from Sunset Point to Pearl Ave with 477 ACSR	2011	2012	4	reliability (69B2, 69B3)	Planned
Construct Canal-Dunn Road 138-kV line	2012	2012	4	reliability (69A, 69B2, 69B3, 69C3)	Planned
Install 100 MVA 138/69-kV transformer at Dunn Road	2012	2012	4	reliability (69A, 69B2, 69B3, 69C3)	Planned
Convert Forest Junction - Howards Grove and a portion of the Howards Grove - Holland 138-kV circuits to 345-kV	2018	2018	4	new generation	Proposed
Barnhart Substation: Construct new 345/138-kV substation with new 500 MVA 345/138-kV transformer	2018	2018	4	new generation	Proposed
Branch River Substation: Construct new 345-kV switching station	2018	2018	4	new generation	Proposed
Uprate the Edgewater-Cedarsauk 345-kV circuit	2018	2018	4	new generation	Proposed
Construct a new Barnhart - Plymouth - Howards Grove - Erdman 138-kV circuit	2018	2018	4	new generation	Proposed
Point Beach Substation: Install new series 345-kV breaker for circuit Q-303	2018	2018	4	new generation	Proposed
Construct second Dunn Road-Egg Harbor 69-kV line	>2026	2021	4	reliability (69B2)	Provisional
Construct Shoto to Custer 138-kV line	>2026	2022	4	reliability (69B2, 69B3)	Provisional
Install 138/69-kV transformer at Custer Substation	>2026	2022	4	reliability (69B2, 69B3)	Provisional
Replace two existing 138/69-kV transformers at Sunset Point Substation with 100 MVA transformers	>2026	2024	4	reliability (69B3)	Provisional
Replace two existing 138/69-kV transformers at Glenview Substation with 100 MVA transformers	>2026	2025	4	reliability (69B3)	Provisional