

**Table PR-20
Transmission Line Rebuild/Reconductors, New Circuits and
Voltage Conversions on Existing Right-of-Way**

Identified Need	Lines to be Rebuilt/Reconducted on Existing ROW	Approx. Mileage of Rebuilt, Reconducted or Uprated Lines	System Need Year	Projected In-service Year	Planning Zone
relieve overloads or low voltages under contingency (B2, 69B2, 69B3)	Rebuild Y-33 Brodhead to South Monroe 69-kV line	18	2011*	2011	3
relieve overloads or low voltages under contingency (69B2, 69B3)	Rebuild 2.37 miles of 69 kV from Sunset Point to Pearl Ave with 477 ACSR	2.37	2011	2012	4
relieve overloads or low voltages under contingency (69A, 69B2, 69B3, 69C3)	Construct Canal-Dunn Road 138-kV line	7.64	2012	2012	4
relieve overloads or low voltages under contingency, asset renewal, potential T-D interconnection request	Rebuild part of the Y-8 Dane-Dam Heights 69-kV line*	5	>2026	2012	3
relieve overloads or low voltages under contingency (69B2)	Rebuild M38-Atlantic 69-kV line	22	2013	2013	2
economics, relieve overloads or low voltages under contingency (B2, C3)	Construct Monroe County-Council Creek 161-kV line and Timberwolf 69-kV switching station	17.9	2013	2014	1
economics, relieve overloads or low voltages under contingency (B2)	Uprate Council Creek-Petenwell 138-kV line	32	2013	2014	1
relieve overloads or low voltages under contingency (B2)	Rebuild Straits-Pine River lines 6904/5 for 138 kV and operate at 69 kV	25.3	2014	2014	2
relieve overloads or low voltages under contingency (B2)	Energize Hiawatha-Indian Lake at 138 kV	40	2014	2014	2
relieve overloads or low voltages under contingency (69B2)	Uprate Munising-Seney-Blaney Park 69-kV line to 167 degrees F	52	2014	2014	2

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relieve overloads or low voltages under contingency (69B2), replace aging facilities	Uprate Pine River-Nine Mile 69-kV line 6923 to 167 degrees F and asset renewal for 6921/3	16.4	2016	2016	2
relieve overloads or low voltages under contingency (69B3)	Uprate the 6986 Royster to Sycamore 69-kV line to 115 MVA	3.35	2018	2018	3
accommodate new generation	Convert Forest Junction - Howards Grove and a portion of the Howards Grove - Holland 138-kV circuits to 345-kV	51	2018	2018	4
accommodate new generation	Uprate the Edgewater-Cedarsauk 345-kV circuit	33	2018	2018	4
relieve overloads or low voltages under contingency (B2, 69B3, 69C5, C3) replace aging facilities	Rebuild Y-32 Colley Road-Brick Church 69-kV line	19.7	>2026	2018	3
relieve overloads or low voltages under contingency (A, 69B2)	Construct 69-kV double-circuit line between McCue and Lamar substations	4.0	>2026	2019	3
relieve overloads or low voltages under contingency, replace aging facilities (69B3, 69C3)	Rebuild the Y-119 Sun Valley Tap to Oregon 69-kV line	11	>2026	2020	3
relieve overloads or low voltages under contingency (C5)	Construct Cardinal-Blount 138-kV line	5	>2026	2020	3
operating flexibility	Uprate Oak Creek-Bluemound 230-kV line	39	2021	2021	5
relieve overloads or low voltages under contingency (69B2)	Rebuild West Middleton-Pheasant Branch 69-kV line with double circuits to achieve a 240 MVA SE on each circuit	5	2022	2022	3
relieve overloads or low voltages under contingency	Reconductor Harbor-Kansas 138-kV line	8.4	2021	TBD	5