

Table PR-23
Summary of Cancellations, Deferrals, Changes, Possible Changes and New Projects

Projects Canceled	Former In-Service Date	Planning Zone	Reason for Removal
Install 2-32 Mvar capacitor banks at Mukwonago 138-kV Substation	2020	5	updated load/model information
Construct Gwinn-Forsyth second 69-kV line	N/A	2	updated load/model information
Construct a 69-kV line from SW Ripon to the Ripon-Metomen 69-kV line	2015	1	customer postponed
Projects Deferred	New In-Service Date	Planning Zone	Reason for Deferral
Rebuild 2.37 miles of 69 kV from Sunset Point to Pearl Ave with 477 ACSR	2012	4	was 2011, easement issues
Rebuild M38-Atlantic 69-kV line	2013	2	New project scope, schedule and ISD now identified
Construct Monroe County-Council Creek 161-kV line and Timberwolf 69-kV switching station	2014	1	was 2013, regulatory issues
Install a 161/138-kV transformer at Council Creek Substation	2014	1	was 2013, regulatory issues
Uprate Council Creek-Petenwell 138-kV line	2014	1	was 2013, regulatory issues
Reconfigure Petenwell 138-kV bus	2015	1	was 2013, bus reconfiguration will be performed with the transformer replacement for project management efficiencies.
Install 3-75 MVAR capacitor banks at Bluemound Substation	2015	5	Updated load/model information
Rebuild Arcadian-Waukesha 138-kV lines KK9942/KK9962	2016	5	was 2015, was uprate and provisional status (now proposed); updated study results
Construct new 138-kV bus and install a 138/69-kV 100 MVA transformer at South Lake Geneva Substation	2018	3	was 2016 and proposed status (now provisional); updated load/model information
Construct new 138-kV line from North Lake Geneva to South Lake Geneva Substation	2018	3	was 2016 and proposed status (now provisional); updated load/model information
Construct 69-kV double-circuit line between McCue and Lamar substations	2019	3	was 2017, updated load/model information

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Projects Deferred	New In-Service Date	Planning Zone	Reason for Deferral
Construct Spring Valley-Twin Lakes-South Lake Geneva 138-kV line	2019	3 & 5	was 2018; updated load/model information
Rebuild the Y-119 Sun Valley Tap to Oregon 69-kV line	2020	3	was proposed in 2014 and formerly named Verona to Oregon, increased line ratings
Replace two existing 345/138-kV transformers at Arcadian Substation with 1-500 MVA transformer	2020	5	was 2015; updated study results
Install 4-49 MVAR 138-kV capacitor banks at Concord Substation	2020	3	was 2019, updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at North Monroe	2021	3	was 2018, updated load/model information
Install 1-16.33 MVAR 69-kV capacitor bank at Verona Substation	2021	3	was 2018, updated load/model information
Construct second Dunn Road-Egg Harbor 69-kV line	2021	4	was 2018, updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at Sun Prairie	2022	3	was 2020, updated load/model information
Install 2-12.25 MVAR 69-kV capacitor banks at Mazomanie Substation	2023	3	was 2020, updated load/model information
Replace two existing 138/69-kV transformers at Glenview Substation with 100 MVA transformers	2025	4	was 2020, updated load/model information
Other Project Changes and Possible Changes	In-Service Date	Planning Zone	Nature of Change or Update
Uprate overhead portions of Straits-McGulpin 138-kV circuits #1 & #3 to 230 F degree summer emergency ratings	2012	2	Project completed ahead of schedule due to availability of construction resources and required outages
Install 1-8.16 MVAR capacitor bank at Boscobel 69-kV Substation and upgrade existing 5.4 MVAR bank with an 8.16 MVAR bank	2015	3	was 2019, Gran Grae 161/69-kV transformer prior outage issues

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Other Project Changes and Possible Changes	In-Service Date	Planning Zone	Nature of Change or Update
Construct Fairwater-Mackford Prairie 69-kV line	2017	1	ISD may be bought forward if project shows economic benefit.
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	2017	1	ISD may be bought forward if project shows economic benefit.
Uprate the 6986 Royster to Sycamore 69-kV line to 115 MVA	2018	3	was 2019, updated load/model information
New Projects	In-Service Date	Planning Zone	Reason for Project
Rebuild Pleasant Prairie 345-kV bus	2013	5	operating flexibility
Construct Pleasant Prairie-Zion Energy Center 345-kV line	2014	5	economics
Construct 138-kV lines to serve Milwaukee County T-D interconnection	2015	5	T-D interconnection
Construct Badger Coulee 345-kV line	2018	3	policy benefits
Convert Forest Junction - Howards Grove and a portion of the Howards Grove - Holland 138-kV circuits to 345-kV	2018	4	new generation
Barnhart Substation: Construct new 345/138-kV substation with new 500 MVA 345/138-kV transformer	2018	4	new generation
Branch River Substation: Construct new 345-kV switching station	2018	4	new generation
Uprate the Edgewater-Cedarsauk 345-kV circuit	2018	4	new generation
Construct a new Barnhart - Plymouth - Howards Grove - Erdman 138-kV circuit	2018	4	new generation
Point Beach Substation: Install new series 345-kV breaker for circuit Q-303	2018	4	new generation

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New Projects	In-Service Date	Planning Zone	Reason for Project
Construct Dubuque-Spring Green-Cardinal 345-kV line	2020	3	policy benefits
Uprate Oak Creek-Bluemound 230-kV line	2021	5	operating flexibility
Rebuild West Middleton-Pheasant Branch 69-kV line with double circuits to achieve a 240 MVA SE on each circuit	2022	3	updated load/model information