

Summary of Cancellations, Deferrals, Changes and New Projects for the 2013 10-Year Assessment

Table PR-23

Projects Canceled	Former In-Service Date	Planning Zone	Reason for Removal
Replace 138/69-kV transformer at Metomen Substation	2017	1	updated load/model information
Bay Lake: Plains Substation -- reconfigure and expand 345-kV switchyard and install new 300 MVA 345/138-kV transformer	2017	2	updated load/model information
Bay Lake: Morgan - Plains 345 kV line construction	2016-2018	2 & 4	updated load/model information
Bay Lake: Plains - National 345 kV line construction	2016-2018	2	updated load/model information
Bay Lake: National Substation -- Install a 100 Mvar 138kV SVC	2018	2	updated load/model information
Bay Lake: National Substation -- Install new 345-kV and 138-kV switchyards and install 2 new 500 MVA 345/138-kV transformers	2018	2	updated load/model information
Upgrade 4.1 Mvar capacitor bank to 8.2 Mvar and install a new 8.2 Mvar capacitor bank at Ripon 69-kV Substation	2018	1	updated load/model information
Forest Junction - Howards Grove and a portion of the Howards Grove - Holland 138-kV circuits convert to 345-kV	2018	4	updated load/model information
Barnhart Substation: Construct new 345/138-kV substation with new 500 MVA 345/138-kV transformer	2018	4	updated load/model information
Edgewater-Cedarsauk 345-kV circuit uprate	2018	4	updated load/model information
Barnhart - Plymouth - Howards Grove - Erdman 138-kV line construction	2018	4	updated load/model information
Gran Grae - Boscobel 69-kV line rebuild Y-40	2019	3	updated load/model information
Boscobel - Muscoda 69-kV line rebuild Y-124	2020	3	updated load/model information
Construct a Lake Delton-Birchwood 138-kV line	2020	3	updated load/model information
Uprate Y159 Brick Church-Walworth 69-kV line to 115 MVA	2021	3	updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at North Monroe	2021	3	updated load/model information
Install 1-16.33 Mvar 69-kV capacitor bank at Verona Substation	2021	3	updated load/model information
Replace existing 56 MVA Harrison 138/69-kV transformer with a 100 MVA transformer	2022	1	updated load/model information
Convert Necedah distribution substation from 69 kV to 138 kV	2022	1	updated load/model information
Replace existing Caroline 115/69-kV transformer	2022	1	updated load/model information
Install a second 138/69-kV transformer at Wautoma Substation	2022	1	updated load/model information
Construct 69-kV double-circuit line between McCue and Lamar substations	2022	3	updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at Eden Substation	2022	3	updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at Sun Prairie	2022	3	updated load/model information
Construct a Hubbard-East Beaver Dam 138-kV line	2022	3	updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at Dam Heights	2023	3	updated load/model information

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Install 4-49 Mvar 138-kV capacitor banks at Concord Substation	2023	3	updated load/model information
Install 2-12.25 Mvar 69-kV capacitor banks at Mazomanie Substation	2023	3	updated load/model information
Replace two existing 138/69-kV transformers at Sunset Point Substation with 100 MVA transformers	2024	4	updated load/model information
Projects Deferred	New In-Service Date	Planning Zone	Reason for Deferral
Construct Monroe County-Council Creek 161-kV line and Timberwolf 69-kV switching station	2015	1	Was 2014, Construction constraints
Install a 161/138-kV transformer at Council Creek Substation	2015	1	Was 2014, Construction constraints
Uprate Council Creek-Petenwell 138-kV line	2015	1	Was 2014, Construction constraints
Construct a new Arnold 345-kV Substation and install a 345/138-kV transformer	2015	2	Was 2014, Construction constraints
Munising-Seney-Blaney Park 69-kV uprate and asset renewal	2016	2	Was 2015, change in scope of project
Canal Substation: Install redundant bus differentials on 138-kV buses	2017	4	Was 2014, Delayed to match Canal breaker addition project
North Fond Du Lac - Metomen 69-kV line uprate Y-27	2018	1	Was 2016, updated load/model information
Uprate 6927 West Middleton-Stage Coach 69-kV line	2018	3	Was 2016, updated load/model information
Rebuild Arcadian-Waukesha 138-kV lines KK9942/KK9962	2019	5	Was 2016, updated load/model information
Uprate Winneconne-Sunset Point 69-kV line Y-103	2019	1	Was 2016, updated load/model information
Cardinal Bluffs: Dubuque County area - Cardinal 345-kV line construction	2020	3	Was 2019, updated load/model information
Winona - Atlantic 69-kV line rebuild Winona69	2022	2	Was 2016, updated load/model information
Install a second 138/69-kV transformer at Spring Green with a 100 MVA summer normal rating	2024	3	Was 2018, updated load/model information
Construct Cardinal-Blount 138-kV line	2024	3	Was 2020, updated load/model information
Rebuild West Middleton-Pheasant Branch 69-kV line with double circuits to achieve a 240 MVA SE on each circuit	2025	3	Was 2022, updated load/model information
Other Project Changes	In-Service Date	Planning Zone	Nature of Change or Update
Energize Hiawatha-Indian Lake at 138 kV	2013	2	Advanced to 2013
Manrap - Custer 69-kV line uprate Y-MRP11	2014	4	Advanced to 2014
Reconfigure 138-kV bus and replace 138/69-kV transformer at Petenwell	2014	1	Advanced to 2014
Fitzgerald Substation: Install 2nd 345/138-kV transformer	2016	4	Addition of two line uprates to scope
McCue - Lamar 69-kV line rebuild Y-171	2016	3	Scope extended to Lamar substation
Oak Creek-Pennsylvania 138-kV line re-conductor 837	2016	5	Advanced to 2016
Oak Creek-Bluemound 230-kV line re-conductor 873	2016	5	Advanced to 2016

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Rock Springs - Artesian 138-kV line rebuild X-70	2016	3	Advanced to 2016
Bay Lake: Holmes - Old Mead Road 138-kV project	2017	2	Was 2 circuits
Bay Lake: Benson Lake Substation -- Construct new 138-kV substation and install 150 Mvar SVC (near Amberg Substation)	2017	2	Location of SVC changed
Branch River Substation: Construct new 345-kV switching station	2018	4	Decrease in original project scope
Point Beach Substation: Install new series 345-kV breaker for circuit Q-303	2018	4	Decrease in original project scope
Presque Isle - Tilden 138 kV line loop into National and uprate National - Tilden 138 kV line	2019	2	No longer part of the Bay Lake project
New Projects	In-Service Date	Planning Zone	Reason for Project
Blaney Park 69-kV Substation: Reconfiguration	2015	2	Condition and Reliability
Fitzgerald - Sunset Point 138-kV uprate C-107	2016	4	Operating Flexibility and Reliability
Fitzgerald - Ellinwood 138-kV uprate W-101	2016	4	Operating Flexibility and Reliability
Oak Creek-Bluemound 230-kV line re-conductor 862	2016	5	Reliability
Bunker Hill-Black Brook 115-kV line rebuild	2019	1	Reliability
Atlantic Substation: Reconfiguration	2019	2	Operating Flexibility and Reliability
Victoria-Winona 69 kV line construction	2019	2	Reliability
Wesmark Substation: Install 2-8 Mvar 69-kV capacitor banks	2020	4	Reliability