

Summary of Cancellations, Deferrals, Changes and New Projects for the 2016 10-Year Assessment

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Projects Canceled	Former In-Service Date	Planning Zone	Reason for Removal
Brick Church substation: Install 2-24.5 Mvar 138-kV capacitor bank and 1-18 Mvar 69-kV capacitor bank	2025	3	lower load forecast
Port Washington - Saukville 138-kV line uprate 742	2021	5	replaced by 762 rebuild to double circuit project
Port Washington - Saukville 138-kV line uprate 762	2021	5	replaced by 762 rebuild to double circuit project
Spring Green substation: Install a second 138/69-kV transformer	2022	3	replaced by 2nd Gran Grae transformer project
Boscobel 69 kV Substation: Install 1-8.16 Mvar capacitor bank	2023	3	replaced by 2nd Gran Grae transformer project
West Middleton-Pheasant Branch 69-kV line rebuild 6963	2020	3	no overload over last 3 assessments
Pine River-9 Mile 6921/6923 Uprate	2020	2	loads did not materialize
Werner West 138kV Substation: Install 25 Mvar inductor	2018	4	adjusted taps on nearby transformers
Projects Deferred	New In-Service Date	Planning Zone	Reason for Deferral
Bain - Albers uprate line 63143	2017	5	Was 2016, resource optimization
Oak Creek - Pennsylvania uprate line 837	2017	5	Was 2016, resource optimization
University area reconfigure	2017	3	Was 2016, resource optimization
Portage - Trienda uprate line X-67	2018	3	Was 2016, resource optimization
Williams Bay T-D interconnection	2019	3	Was 2016, resource optimization
Presque Isle - Tilden 138 kV line loop into National and uprate National - Tilden 138 kV line	2020	2	Was 2019, waiting on J394
Cardinal - Hickory Creek 345 kV line	2023	3	was 2020, coordinating state and federal processes
West Middleton - Stagecoach rebuild line 6927	2023	3	was 2020, route alternative for Cardinal-Hickory Creek
Winona - Atlantic rebuild line Winona69	2024	2	was 2022, local generation became available
Shoto - Custer 138 kV line	2026	4	was 2022, local generation is available
Custer 138/69 kV transformer	2026	4	was 2022, local generation is available
Portage - Columbia rebuild line X-13	2027	3	was 2025, reassessing project scope
Portage - Columbia rebuild line X-20	2027	3	was 2025, reassessing project scope
Plains - Arnold 138-kV uprate	2023	2	was 2020, generation is available
Plains - National 138-kV project	2023	2	was 2020, generation is available
Plains 345/138-kV project (2-500 MVA replace existing)	2023	2	was 2020, generation is available
Morgan - Plains 345-kV loop into new Thunder 345-kV substation.	2023	4	was 2020, generation is available

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Morgan - Thunder 138-kV project	2023	4	was 2020, generation is available
Thunder Substation: install 345/138-kV and 138/69-kV transformers, convert 1 ckt of Thunder to Crivitz to 138-kV	2023	4	was 2020, generation is available
Other Project Changes	In-Service Date	Planning Zone	Nature of Change or Update
Council Creek - Tomah industrial park rerate	2017	1	advanced, was 2019
Amberg SVC	2017	2	advanced, was 2019
Morgan - Stiles de-bifurcate	2017	4	advanced, was 2019
Depere - Glory Rd 138-kV overhead line rebuild	2018	4	advanced, was 2020
Oak Creek - Hayes 138-kV line 811 upgrade and reconfiguration	2018	5	advanced, was 2020
Bay Lake: Morgan Substation -- reconfigure and expand 345-kV and 138-kV switchyards	2018	4	advanced, was 2019
Bay Lake: North Appleton - Morgan 138 kV line construction	2018	4	advanced, was 2019
Bay Lake: North Appleton - Morgan 345 kV line construction	2018	4	advanced, was 2019
Bay Lake: North Appleton Substation -- Construct new 345-kV switchyard and reconfigure 138-kV switchyard	2018	4	advanced, was 2019
New Projects	In-Service Date	Planning Zone	Reason for Project
Tomahawk substation: install bus tie breaker to sectionalize	2017	1	Operating flexibility
White Lake substation: Install line breakers to sectionalize	2017	1	Operating flexibility
Esker View substation: loop LYNG11 (Lyndon - Tecumseh Rd) into new substation	2017	4	T-D interconnection
Spare reactor purchase	2017	1, 3	Reliability
Brick Curch substation: remove breaker 1532-S CT	2017	3	Reliability
Browntown bus rerate	2017	3	Reliability
Lawn Rd substation: Install 2 line breaker on line 6851 to sectionalize	2018	1	Operating flexibility
Lost Dauphin - Red Maple uprate line Q-147	2018	4	Reliability
Oakview substation: loop 836 (Oak Creek - Root River) into new substation	2018	5	T-D interconnection
St Martins substation: install line and bus tie breakers	2018	3	Operating flexibility
Ellinwood 138-kV bus rerate	2019	1	Reliability
Pulliam 138 kV substation: install redundant bus differential	2019	4	Reliability
Baker St substation: add line and bus tie breakers	2020	1	T-D interconnection
Port Washington - Saukville rebuild line 762 to a double circuit	2021	5	Reliability

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Lakota - Winona 138-kV conversion	2021	2	Reliability
Gran Grae substation: install 2nd 161/69 kV transformer	2026	3	reliability