

Summary of Cancellations, Deferrals, Changes and New Projects for the 2014 10-Year Assessment

Table PR-23

Projects Canceled	Former In-Service Date	Planning Zone	Reason for Removal
Whitewater - University 138-kV line uprate 4453	2016	3	removed and replaced by line reconfiguration project
University - Sugar Creek 138-kV line uprate 6552	2016	3	removed and replaced by line reconfiguration project
Munising-Seney-Blaney Park 69-kV uprate and asset renewal	2016	2	reassessing project scope
Install a second 100 MVA 138/69 kV transformer at Hillman Substation	2018	3	updated load/model information
Replace two existing 345/138-kV transformers at Arcadian Substation with 2-500 MVA transformers	2020	5	updated load/model information
Replace two existing 138/69-kV transformers at Glenview Substation with 100 MVA transformers	2025	4	updated load/model information
Projects Deferred	New In-Service Date	Planning Zone	Reason for Deferral
Presque Isle Substation: Install redundant bus differentials on 138-kV buses	2015	2	Was 2014, outage constraints
Oak Creek - Ramsey - Kansas 138-kV line uprate 824	2015	5	Was 2014, resource optimization
Albers - Kenosha 138-kV line uprate 9352	2015	5	Was 2014, resource optimization
Kenosha - Lakeview 138-kV line uprate 9341	2015	5	Was 2014, resource optimization
Nicholson - Barland 138-kV line uprate OACG48	2016	5	Was 2014, resource optimization
Oak Creek-Bluemound 230-kV line uprate 862	2017	5	Was 2016, resource optimization
Bay Lake: Benson Lake Substation -- Construct new 138-kV substation and install 150 Mvar SVC (near Amberg Substation)	2019	2	Was 2017, resource optimization
Bay Lake: Morgan - Stiles 138-kV circuit de-bifurcate to form 2 separate 138-kV lines	2019	4	Was 2017, resource optimization
Bay Lake: Morgan Substation -- reconfigure and expand 345-kV and 138-kV switchyards	2019	4	Was 2017, resource optimization
Bay Lake: North Appleton - Morgan 138 kV line construction	2019	4	Was 2017, resource optimization
Bay Lake: North Appleton - Morgan 345 kV line construction	2019	4	Was 2017, resource optimization
Bay Lake: North Appleton Substation -- Construct new 345-kV switchyard and reconfigure 138-kV switchyard	2019	4	Was 2017, resource optimization
Pleasant Prairie - Zion 345-kV line uprate 2221	2020	5	Was 2016, reassessing project scope
Construct Cardinal-Blount 138-kV line	2025	3	Was 2024, updated load/model information
Rebuild Arcadian-Waukesha 138-kV lines KK9942/KK9962	2025	5	Was 2019, updated load/model information
Install 2-24.5 Mvar 138-kV capacitor bank and 1-18 Mvar 69-kV capacitor bank at Brick Church substation	2025	3	Was 2021, updated load/model information
Rebuild West Middleton-Pheasant Branch 69-kV line with double circuits to achieve a 240 MVA SE on each circuit	2028	3	Was 2025, updated load/model information
Other Project Changes	In-Service Date	Planning Zone	Nature of Change or Update
96th St Substation: Construct a 138-kV 8-position ring bus	2014	5	Advanced to 2014, was 2015

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Granville - Tamarack 138-kV line uprate 3444	2014	5	Advanced to 2014, was 2016
Crystal Falls - Aspen 69-kV line re-conductor ASPY51	2015	2	Advanced to 2015, was 2016
Uprate the 6986 Royster to Sycamore 69-kV line	2015	3	Advanced to 2015, was 2016
Uprate Y87 North Monroe-South Monroe 69-kV line	2015	3	Advanced to 2015, was 2018
Bain - Albers 138-kV line uprate 63143	2015	5	Advanced to 2015, was 2016
Norwich - Ramsey - Barland 138-kV line uprate NWHG41	2015	5	Advanced to 2015, was 2016
Oak Creek - St. Rita 138-kV line uprate 885	2015	5	Advanced to 2015, was 2016
Oak Creek-Pennsylvania 138-kV line uprate 837	2015	5	Advanced to 2015, was 2016
Racine - Oak Creek 138-kV line uprate 812	2015	5	Advanced to 2015, was 2016
Fitchburg - Nine Springs 69-kV line rebuild 6943	2015	3	Advanced to 2015, was 2016
Pflaumn - Royster 69-kV line rebuild 6934	2015	3	Advanced to 2015, was 2016
Rock Springs - Artesian 138-kV line rebuild X-70	2015	3	Advanced to 2015, was 2016
Rock Springs Tap - Kirkwood 138-kV line uprate X-70	2015	3	Advanced to 2015, was 2016
Bay Lake: Holmes - Old Mead Road 138-kV project	2016	2	Advanced to 2016, was 2017
M13-Reinforcement-Bunker Hill-Blackbrook	2019	1	Was a line rebuild, now reconfiguration/uprate
New Projects	In-Service Date	Planning Zone	Reason for Project
Lakeview - Zion 138-kV line uprate 28201	2014	5	Reliability
Katzenberg Substation: Install two circuit breakers	2014	3	Operating Flexibility and Reliability
South Sheboygan Falls: Install two 138 kV 32.66 Mvar capacitor banks	2015	4	Reliability
Butler - Granville 138-kV line uprate 35453	2015	5	Economic benefits
Pleasant Prairie - Racine 345-kV line uprate PLPL101	2015	5	Economic benefits
Brillion Iron Works: 138/69-kV Substation construction and Glenview-Brillion Iron Works 69-kV line extension	2016	4	T-D interconnection
Portage - Columbia 69-kV line uprate Y-99	2016	3	Reliability
Creekview Substation: 138 kV line construction to serve T-D interconnection	2017	4	T-D interconnection
Forest Junction 138kV Substation: Install 25 Mvar inductor	2018	4	Reliability
Ogden St. Networking Project: Ogden St. - Bayshore 69-kV line construction	2018	4	T-D interconnection
Werner West 138kV Substation: Install 25 Mvar inductor	2018	4	Reliability

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University/Whitewater line reconfiguration	2018	3	Reliability
Pine River-9 Mile 6921/6923 Minimum Asset Renewal and Uprate	2020	2	Reliability
Colley Road substation: Install 2nd 100 MVA 138/69kV transformer	2023	3	Reliability