

**Summary of Cancellations, Deferrals, Changes and New Projects for the 2012 10-Year Assessment**

Table PR-23

<b>Projects Canceled</b>	<b>Former In-Service Date</b>	<b>Planning Zone</b>	<b>Reason for Removal</b>
Install 3-75 Mvar capacitor banks at Bluemound Substation	2015	5	updated load/model information
Uprate Pine River-Nine Mile 69-kV line 6923 and asset renewal for 6921/3	2016	2	Covered by another larger area study
Construct second Dunn Road-Egg Harbor 69-kV line	2021	4	updated load/model information
<b>Projects Deferred</b>	<b>New In-Service Date</b>	<b>Planning Zone</b>	<b>Reason for Deferral</b>
Uprate Seney-Blanney Park 69-kV line and minimal asset renewal work	2015	2	Was 2014, updated load/model information
Uprate 6927 West Middleton-Stage Coach 69-kV line	2016	3	Was 2015, 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	Was 2015, updated load/model information
Construct Fairwater-Mackford Prairie 69-kV line	2018	1	Was 2017, updated load/model information
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	2018	1	Was 2017, 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	2021	3	Was 2017, updated load/model information
Replace existing 56 MVA Harrison 138/69-kV transformer with a 100 MVA transformer	2022	1	Was 2016, updated load/model information
Install a second 138/69-kV transformer at Wautoma Substation	2022	1	Was 2018, updated load/model information
Convert Necedah distribution substation from 69 kV to 138 kV	2022	1	Was 2018, updated load/model information
Replace existing Caroline 115/69-kV transformer	2022	1	Was 2018, updated load/model information
Construct 69-kV double-circuit line between McCue and Lamar substations	2022	3	Was 2017, updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at Eden Substation	2022	3	Was 2019, updated load/model information
Install 2-16.33 Mvar 69-kV capacitor banks at Dam Heights	2023	3	Was 2019, updated load/model information
Install 4-49 Mvar 138-kV capacitor banks at Concord Substation	2023	3	Was 2020, updated load/model information
<b>Other Project Changes</b>	<b>In-Service Date</b>	<b>Planning Zone</b>	<b>Nature of Change or Update</b>
Construct Pleasant Prairie-Zion Energy Center 345-kV line	2013	5	Was 2014
Construct Old Mead Rd 138/69-kV Substation and install one 138/69-kV transformer	2014	2	Consists of one transformer, not two, name change
Uprate Ripon-Northwest Ripon 69-kV line Y-93	2014	1	Was 2019, updated load/model information
Construct a new Arnold 345-kV Substation and install a 345/138-kV transformer	2014	2	Was 2015, updated load/model information
Castle Rock-Mckenna 69-kV line uprate Y-47	2015	1	Was 2017, updated load/model information
Uprate the 6986 Royster to Sycamore 69-kV line	2016	3	Was 2018, updated load/model information
Uprate Y87 North Monroe-South Monroe 69-kV line	2016	3	Was 2018, updated load/model information
Rebuild the Y-119 Sun Valley Tap to Oregon 69-kV line	2016	3	Was 2020, updated load/model information

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Uprate Winneconne-Sunset Point 69-kV line Y-103	2016	1	Was 2019, updated load/model information
Uprate X-67 Portage-Trienda 138-kV line	2018	3	Was 2022, updated load/model information
Oak Creek-Pennsylvania 138-kV line re-conductor 837	2018	5	Was 2022, updated load/model information
Oak Creek-Bluemound 230-kV line re-conductor 873	2018	5	Was 2021, updated load/model information
Cardinal Bluffs: Dubuque County area - Cardinal 345-kV line construction	2019	3	Was 2020
<b>New Projects</b>	<b>In-Service Date</b>	<b>Planning Zone</b>	<b>Reason for Project</b>
Straits Substation: Install redundant bus differentials on 138-kV buses	2013	2	Reliability
Christiana Substation: Install redundant bus differentials on 138-kV buses	2013	3	Reliability
Rockdale substation: Install redundant bus differentials on 345-kV and 138-kV buses	2013	3	Reliability
Paddock - Town Line Road 138-kV single circuit rebuild X-39	2014	3	Economics, Reliability, Condition
West Middleton - West Towne 69-kV line rebuild 6997	2014	3	Economics
Paddock - Shaw 69-kV line rebuild Y-54	2014	3	Reliability
Branch - Kansas 138-kV line uprate 42152	2014	5	Reliability
Albers - Kenosha 138-kV line re-conductor 9352	2014	5	Reliability
Oak Creek - Ramsey 138-kV line re-conductor 824	2014	5	Reliability
Nicholson - Barland 138-kV line rebuild OACG48	2014	5	Reliability
Kenosha - Lakeview 138-kV line rebuild 9341	2014	5	Reliability
Omro - Berlin 69-kV line rebuild Y-80	2014	1	Reliability
Portage Substation: Install redundant bus differentials on 138-kV buses	2014	3	Reliability
Presque Isle Substation: Install redundant bus differentials on 138-kV buses	2014	2	Reliability
Canal Substation: Install redundant bus differentials on 138-kV buses	2014	4	Reliability
Saukville Substation: Install redundant bus differentials on 138-kV buses	2014	5	Reliability
Empire - Presque Isle 138-kV line uprate Goose Lake	2015	2	Reliability
96th St Substation: Construct an 8-position ring bus	2015	5	Road Relocation
Manrap - Custer 69-kV line uprate Y-MRP11	2015	4	Reliability
Chaffee Creek - ACEC Coloma Tap 69-kV line rebuild Y-18	2015	1	Reliability
Fitzgerald Substation: Install 2nd 345/138-kV transformer	2015	4	Reliability, Operating Flexibility
Bay Lake: Morgan - Stiles 138-kV circuit de-bifurcate to form 2 separate 138-kV lines	2016	4	Reliability
Stagecoach - Wick Drive 69-kV line rebuild Y-62	2016	3	Reliability
Beardsley St. Substation: Install 3 69-kV line breakers to sectionalize 69-kV circuit J-10	2016	4	Operating Flexibility
Pulliam - Glory Road 138-kV line conversion K-115	2016	4	Reliability
Pulliam Substation: Install a new 138/69-kV transformer	2016	4	Reliability

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Glory Road Substation: Install a new 138/69-kV transformer	2016	4	Reliability
Granville - Tamarack 138-kV line rebuild 3444	2016	5	Reliability
Racine - St. Rita 138-kV line uprate 8531	2016	5	Economics
Port Washington - Sauville 138-kV line re-conductor 742	2016	5	Reliability
Port Washington - Sauville 138-kV line re-conductor 762	2016	5	Reliability
Morrison Ave - Sherman 115-kV line re-conductor Z-52	2016	1	Reliability
Rocky Run - Plover 115-kV line uprate S-45	2016	1	Reliability
Wautoma - Wild Rose Pumping 69-kV line rebuild Y-19	2016	1	Reliability
North Fond Du Lac - Metomen 69-kV line uprate Y-27	2016	1	Reliability
Boscobel - Muscoda 69-kV line rebuild Y-124	2016	3	Reliability
Crystal Falls - Aspen 69-kV line re-conductor ASPY51	2016	2	Reliability
Danz Ave - University 69-kV line rebuild O-15	2016	4	Reliability
Pflaumn - Royster 69-kV line rebuild 6934	2016	3	Reliability
Whitewater - University 138-kV line uprate 4453	2016	3	Reliability
Rock Springs Tap - Kirkwood 138-kV line uprate X-70	2016	3	Economics
Pleasant Prairie - Zion 345-kV line uprate 2221	2016	5	Economics
Fitchburg - Nine Springs 69-kV line rebuild 6943	2016	3	Reliability
Waunakee - Westport 69-kV line rebuild Y-131	2016	3	Reliability
Oak Creek - St. Rita 138-kV line re-conductor 885	2016	5	Economics
Racine - Oak Creek 138-kV line re-conductor 812	2016	5	Economics
Ramsey - Barland 138-kV line re-conductor NWHG41	2016	5	Reliability
Bain - Albers 138-kV line uprate 63143	2016	5	Reliability
McCue - Redhawk Tap 69-kV line rebuild Y-171	2016	3	Reliability
Bay Lake: Green Bay Substation -- Construct new 345-kV and 138-kV switchyards	2016	4	Reliability
Bay Lake: Morgan Substation -- reconfigure and expand 345-kV and 138-kV switchyards	2016	4	Reliability
Bay Lake: Green Bay - Morgan 138 kV line construction	2016	4	Reliability
Bay Lake: Green Bay - Morgan - Plains - National 345 kV line construction	2016-2018	2 & 4	Reliability
Bay Lake: Holmes - Escanaba 138-kV two circuit project	2016-2018	2	Reliability
Bay Lake: Plains Substation -- Install a 150 Mvar 345kV SVC	2017	2	Reliability
Bay Lake: Plains Substation -- reconfigure and expand 345-kV switchyard and install new 300 MVA 345/138-kV transformer	2017	2	Reliability
Canal Substation: Install 138-kV and 69-kV breakers on 138/69-kV transformers	2017	4	Operating Flexibility, Reliability
Highway V Substation: Install 138-kV and 69-kV breakers on 138/69-kV transformers	2017	4	Operating Flexibility, Reliability
Winona - Atlantic 69-kV line rebuild Winona69	2018	2	Reliability

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Bay Lake: National Substation -- Install a 100 Mvar 138kV SVC	2018	2	Reliability
Bay Lake: Presque Isle - Tilden 138 kV line loop into National and upgrade National - Tilden 138 kV line	2018	2	Reliability
Bay Lake: National Substation -- Install new 345-kV and 138-kV switchyards and install 2 new 500 MVA 345/138-kV transformers	2018	2	Reliability
University - Sugar Creek 138-kV line uprate 6552	2018	3	Reliability
Gran Grae - Boscobel 69-kV line rebuild Y-40	2019	3	Reliability
Rock Springs - Artesian 138-kV line rebuild X-70	2024	3	Reliability
Portage - Columbia 138-kV line rebuild X-13	2025	3	Reliability
Portage - Columbia 138-kV line rebuild X-20	2025	3	Reliability
Center St - South Beaver Dam 69-kV line uprate Y- 59	2026	3	Reliability