

**Table PR-23**  
**Summary of Cancellations, Deferrals, Changes and New Projects for the 2020 10-Year Assessment**  
**As of September 25, 2020**

Projects Canceled	In-Service Year	Planning Zone	Reason
Wautoma SS - Port Edwards OPGW, Installation	2023	1	Replaced with new project
West Middleton SS - Pheasant Branch SS 69kV, Construct	2028	3	Need No Longer Shown
Projects ISY Changes	In-Service Year	Planning Zone	Reason For Change
Venus SS, new inductor bank	2024	1	Project Need Date Moved Up
Tilden SS, Control House Replacement and Breaker & Relay Asset Renewal	2023	2	Project Need Date Moved Up
Empire SS, Control House Replacement and Breaker & Relay Asset Renewal	2024	2	Project Need Date Moved Up
Winona - Atlantic 69kV (Winona69), rebuild	2024	2	Project Need Date Moved Up
Bayridge SS, new T-D Interconnection	2022	4	Project Need Date Moved Up
Howards Grove - Erdman 138kV, new line	2023	4	Project Need Date Moved Up
Summit - Cooney 138kV (6431), Rebuild	2022	5	Project Need Date Moved Up
Winneconne SS, Relay and Breaker Replacement	2023	1	ISY adjusted from 2021 to 2023
Forsyth - Gwinn 69kV, new line	2024	2	ISY adjusted from 2023 to 2024
North Lake - Greenstone 69kV (NLKY11), Rebuild	2026	2	ISY adjusted from 2024 to 2026
Arnold SS, 80 MVAR Inductor Bank	2027	2	ISY adjusted from 2022 to 2027
Mass - Conover 69kV (6530), Replace select poles, reinsulate	2028	2	ISY adjusted from 2025 to 2028
Hillman - Darlington 138kV (X-14/X-101), Rebuild	2028	3	ISY adjusted from 2026 to 2028
Rock Branch - Dodgeville 69kV (Y-35), Partial Rebuild	2028	3	ISY adjusted from 2027 to 2028
South Fond du Lac - Spring Brook 69kV (Y-133), Partial rebuild	2030	3	ISY adjusted from 2029 to 2030
Redwood - First Ave 69kV (T-46), Replace the submarine cable	2021	4	ISY adjusted from 2020 to 2021
Erdman SS, Transformer and Breaker Asset Renewal	2022	4	ISY adjusted from 2021 to 2022
St. Lawrence - Barton 138kV (8032), Partial Rebuild	2022	5	ISY adjusted from 2021 to 2022
Waupaca SS, DIC, transformer addition	2022	1	T-D Interconnection, Customer Driven Schedule, was 2021
Central UP, new DIC	2023	2	T-D Interconnection, Customer Driven Schedule, was 2021
Eastern UP, new DIC	2023	2	T-D Interconnection, Customer Driven Schedule, was 2022
Keel Ridge SS, new DIC	2025	2	T-D Interconnection, Customer Driven Schedule, was 2024
Muscoda SS, DIC add 2nd transformer and substation rebuild	2021	3	T-D Interconnection, Customer Driven Schedule, was 2020
Eaton SS, new T-D Interconnection	2024	4	T-D Interconnection, Customer Driven Schedule, was 2022
Edgewater SS, DIC, replace transformer and substation rebuild	2024	4	T-D Interconnection, Customer Driven Schedule, was 2023
Changed Projects	In-Service Year	Planning Zone	Reason for Project Change
Saratoga - Coyne 115kV (T-72), Rebuild	2021	1	Cost Estimate Updated
Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild	2023	1	Cost Estimate Updated
Atlantic SS, 138/69kV Bus Reconfiguration and Transformer Addition	2022	2	Cost Estimate Updated
Presque Isle - Tilden 138kV, Loop and Uprate	2022	2	Cost Estimate Updated
9 Mile SW STA - Pine River 69kV (6921/23), Replace select poles, x-arms, re-insulate	2025	2	Cost Estimate Updated
Dam Heights SS, DIC and new radial line	2020	3	Cost Estimate Updated
Portage - Staff 138kV (X-6), Rebuild	2020	3	Cost Estimate Updated
Dane - Waunakee 69kV (Y-143), Rebuild	2021	3	Cost Estimate Updated
Hillside SS, Relay and Breaker Replacements	2021	3	Cost Estimate Updated
J584 GIC Jordan SS, Generator Interconnection Facilities and Network Upgrades	2021	3	Cost Estimate Updated
Sheepskin - Stoughton 69kV (Y-12), Rebuild	2021	3	Cost Estimate Updated
West Middleton - Stagecoach 69kV (6927), Partial Rebuild	2023	3	Cost Estimate Updated
Portage - Columbia 138kV (X-13/X-20), rebuild existing double circuit	2024	3	Cost Estimate Updated
Ogden St SS, Network Project: Ogden St - Bayshore 69kV Line Construction	2020	4	Cost Estimate Updated
New Holstein - Custer 69kV (P-68), Rebuild	2022	4	Cost Estimate Updated
Glenview SS, Transformer Retirement and Breaker & Relay Asset Renewal	2023	4	Cost Estimate Updated
Stiles - West Marinette (M117/L142), OPGW Installation	2023	4	Cost Estimate Updated
Burlington SS, Install 138kV Breakers	2021	5	Cost Estimate Updated
Paris - Burlington 138kV (8962), Rebuild	2021	5	Cost Estimate Updated
Port Washington - Saukville 138kV (762), Rebuild to a double circuit	2021	5	Cost Estimate Updated
Granville SS, Control House and Relay Replacement and Asset Renewal	2024	5	Cost Estimate Updated
Communication Reliability Upgrades 2021	2024	various	Cost Estimate Updated
Line Clearance Mitigation Project 2021	2024	various	Cost Estimate Updated
Load Interconnection 2021	2024	various	Cost Estimate Updated
Physical Security 2021	2024	various	Cost Estimate Updated
Small Capital Project and Asset Renewal 2021	2024	various	Cost Estimate Updated
Communication Reliability Upgrades 2022	2025	various	Cost Estimate Updated
Line Clearance Mitigation Project 2022	2025	various	Cost Estimate Updated
Load Interconnection 2022	2025	various	Cost Estimate Updated
Physical Security 2022	2025	various	Cost Estimate Updated
Small Capital Project and Asset Renewal 2022	2025	various	Cost Estimate Updated
Cardinal - Blount 138kV, construct	2031	3	Moved to Target B for MTEP21
Sheboygan County SS, DIC, substation rebuild	2023	4	Moved to Target A for MTEP21
Lincoln - Bluemound (43rd St) 138kV (5053), replace underground cable	2024	5	Moved to Target A for MTEP21
Biramwood SS, DIC replace transformer and substation rebuild	2021	1	Project Rescoped and Cost Estimate Updated
Barneveld SS, DIC, new substation	2023	3	Project Rescoped and Cost Estimate Updated
Academy - Columbus 69kV (Y-21), Rebuild	2024	3	Project Rescoped and Cost Estimate Updated
Homme SS, New DIC	2020	1	Proposed to Planned
Baker St SS, Add new 115-kV bus and bus tie breaker	2021	1	Proposed to Planned
Harrison SS, Install 69kV Breakers	2021	1	Proposed to Planned
Petenwell - Saratoga 138kV (X-43), Line Rebuild	2022	1	Proposed to Planned
Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild	2025	1	Proposed to Planned
NLKG31 Tap - Greenstone 138kV, construct new transmission line	2022	2	Proposed to Planned
Sycamore SS, Install 69kV Breakers	2020	3	Proposed to Planned
Northern Lights Substation, new T-D Interconnection	2021	3	Proposed to Planned
Portage Industrial Park SS, DIC, replace transformers and substation rebuild	2021	3	Proposed to Planned
Colley Road SS, Transformer Replacement and Asset Renewal	2023	3	Proposed to Planned
Preble SS, DIC, add 4th transformer and substation rebuild	2022	4	Proposed to Planned
Pulliam SS, Transformer Retirement and Bus Reconfiguration	2022	4	Proposed to Planned
Arcadian SS, Power Transformer and Control House Replacement and Asset Renewal	2023	5	Proposed to Planned
Pflaum SS, Asset Renewal	2025	3	Corrected Project Name
Danz Ave SW STA - University (WPS) 69kV (O-15), underground rebuild & OPGW	2023	4	Corrected to Proposed
Edgewater - Lodestar 138kV (X-48/Y-31), Underground cable rebuild	2023	4	Corrected to Proposed

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New Projects	In-Service Year	Planning Zone	Project Type
Petenwell - Council Creek (X-40), OPGW Installation	2024	1	Communication
Sussex to Bark River (46143/2661), 138kV, OPGW Installation	2023	5	Communication
Lyndon Station SS, Replace Transformer and Substation Rebuild	2020	1	Condition and Performance
Harrison North SS, Breaker Addition	2021	1	Condition and Performance
Saratoga SS - Control House and Breaker Asset Renewal	2024	1	Condition and Performance
9 mile SW STA – Portage (6901/6902), 69kV, Re-insulate	2023	2	Condition and Performance
Dead River SS - Control House and Breaker Replacement Asset Renewal	2024	2	Condition and Performance
Columbia SS, Breaker Replacement Asset Renewal	2021	3	Condition and Performance
McCue SS, Circuit Breaker Asset Renewal	2022	3	Condition and Performance
Kirkwood SS, Control House , Transformer and Breaker Asset Renewal	2024	3	Condition and Performance
Nelson Dewey SS - Control House, Relay Asset Renewal	2024	3	Condition and Performance
Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW	2025	3	Condition and Performance
Kewaunee SS, Retire Transformer	2021	4	Condition and Performance
Cirvitz SS - Transformer Replacement and Asset Renewal	2024	4	Condition and Performance
North Appleton SS - Transformer Replacement and Asset Renewal	2024	4	Condition and Performance
Mequon SS Replace Line Breakers and Relay Asset Renewal	2020	5	Condition and Performance
Merrill Hills SS Line Breaker Additions	2020	5	Condition and Performance
Pennsylvania SS, Relay, Breaker and Disconnect Switch Asset Renewal	2020	5	Condition and Performance
Kenosha SS, Breaker, Relay, RTU and Disconnect Asset Renewal	2023	5	Condition and Performance
Blount - East Campus, 69kV, (6907), underground cable replacement	2020	3	Damage
J732 Superior SS Generator Interconnection Facilities and Network Upgrades	2023	1	G-T Interconnection
Darlington SS Grounding System Upgrades	2021	3	G-T Interconnection
Dodgeville SS Grounding System Upgrades	2021	3	G-T Interconnection
Eden - Lands End 69kV, Loop into Highland SS	2021	3	G-T Interconnection
Eden - Highland (X-147) 138kV, uprate	2021	3	G-T Interconnection
Eden SS Grounding System Upgrades	2021	3	G-T Interconnection
Elkhorn - North Lake Geneva (X-55) 138 kV, uprate	2021	3	G-T Interconnection
Falcon SS Grounding System Upgrades	2021	3	G-T Interconnection
Highland - Spring Green (X-17) 138kV, Uprate	2021	3	G-T Interconnection
Hill Valley SS Grounding System Upgrades	2021	3	G-T Interconnection
Hillman SS Grounding System Upgrades	2021	3	G-T Interconnection
Hillman SS, Upgrade Transformer	2021	3	G-T Interconnection
J807 Facon SS Generator Interconnection Facilities and Network Upgrades	2021	3	G-T Interconnection
J855 Ebenezer SS Generator Interconnection Facilities and Network Upgrades	2021	3	G-T Interconnection
J947 Tennyson SS Generator Interconnection Facilities and Network Upgrades	2021	3	G-T Interconnection
Nelson Dewey SS Grounding System Upgrades	2021	3	G-T Interconnection
North Monroe - Bass Creek (X-12) 138 kV, uprate	2021	3	G-T Interconnection
North Monroe SS Grounding System Upgrades	2021	3	G-T Interconnection
Rock Branch SS Grounding System Upgrades	2021	3	G-T Interconnection
Rock River SS, Bus Switch Upgrade	2021	3	G-T Interconnection
Spring Green SS Grounding System Upgrades	2021	3	G-T Interconnection
Bass Creek - Town Line Road (X-95) 138kV, reconductor	2022	3	G-T Interconnection
Bristol - Elkhorn (X-81) 138 kV, uprate	2022	3	G-T Interconnection
Concord - Cooney (9042) 138kV, Reconductor	2022	3	G-T Interconnection
J818 Jefferson SS Generator Interconnection Facilities and Network Upgrades	2022	3	G-T Interconnection
J850 North Creek SS Generator Interconnection Facilities and Network Facilities	2022	3	G-T Interconnection
J864 Lone Rock SS Generator Interconnection Facilities and Network Upgrades	2022	3	G-T Interconnection
North Lake Geneva Tap - Burlington (6541) 138 kV, uprate	2022	3	G-T Interconnection
J819 Darlington SS Generator Interconnection Facilities and Network Upgrades	2023	3	G-T Interconnection
Rock River SS (X-74) Terminal Upgrade	2023	3	G-T Interconnection
South Monroe - Browntown (Y-155) 69kV, rebuild	2023	3	G-T Interconnection
Berryville SS Grounding System Upgrades	2022	5	G-T Interconnection
Elkhorn SS Grounding System Upgrades	2022	5	G-T Interconnection
J850/1878 East Paris SS, new 345/138kV transformer	2022	5	G-T Interconnection
J878 Paris SS Generator Interconnection Facilities and Network Upgrades	2022	5	G-T Interconnection
Paris SS Grounding System Upgrades	2022	5	G-T Interconnection
Maine - Hilltop 115kV line (U-11), uprate	2023	1	Reliability
Weston - Sherman Street, 115kV line (Z-52), uprate	2023	1	Reliability
Marquette County Reactive Power Project	2023	2	Reliability
Munising Area Reactive Power Project	2023	2	Reliability
Gateway - Sycamore (6902), 69kV, rebuild	2023	3	Reliability
South Beaver Dam - North Beaver Dam (Y-59), 69kV, uprate	2023	3	Reliability
Spring Green - Wick Drive (Y-170), 69kV, uprate	2024	3	Reliability
Eask Krok - Beardsley, (EAKY11), 69kV, uprate	2023	4	Reliability
Lost Dauphin - Red Maple 138kV (Q-147), uprate	2023	4	Reliability
Eagle River Cranberry SS, DIC, 2nd Transformer	2020	1	T-D Interconnection
Pine SS, DIC, Transformer Replacement	2021	1	T-D Interconnection
Mudwater SS, DIC, New Substation	2022	1	T-D Interconnection
Forsyth SS, DIC, Add 1st Transformer	2021	2	T-D Interconnection
Garden Corners SS, DIC, add 1st Transformer	2021	2	T-D Interconnection
Masonville SS, DIC, Substation Rebuild and Transformer Additions	2022	2	T-D Interconnection
Cross Country SS, DIC, Install New Breakers	2021	3	T-D Interconnection
Orfordville SS, DIC, Capacitor Retirement and Transformer Replacement	2021	3	T-D Interconnection
Waterloo SS, DIC, New 138kV Substation	2021	3	T-D Interconnection
Drumlin SS, DIC, New Substation	2023	3	T-D Interconnection
Tokay SS, DIC, Add Transformer	2023	3	T-D Interconnection
Kaukauna Utilities Combine Locks SS, DIC, replace transformer	2020	4	T-D Interconnection
Menominee SS, DIC, Retire Transformer	2021	4	T-D Interconnection
Ryan St SS, DIC, Retire Substation	2021	4	T-D Interconnection
Henry St. SS, DIC, Retire Substation	2022	4	T-D Interconnection
12th Avenue SS, DIC, Transformer Replacement	2023	4	T-D Interconnection
Wells St. DIC – new West Marinette-Wells St. 69 kV line	2023	4	T-D Interconnection
River Bend SS, Add 2nd Transformer	2021	5	T-D Interconnection
Tamarack SS, DIC, Replace Transformer	2021	5	T-D Interconnection
Germantown SS DIC, Install additional transformer	2022	5	T-D Interconnection