

Table PR-23
Summary of Cancellations, Deferrals, Changes and New Projects for the 2021 10-Year Assessment
As of September 30, 2021

Projects Canceled	In-Service Year	Planning Zone	Reason
J821 Zenith SS Generator Interconnection Facilities and Network Upgrades	2021	1	GIA Terminated
Venus SS, new inductor bank	2024	1	Need No Longer Shown
J584 GIC Jordan SS, Generator Interconnection Facilities and Network Upgrades	2021	3	GIA Terminated
J807 Falcon SS Generator Interconnection Facilities and Network Upgrades	2021	3	GIA Terminated
J819 Darlington SS Generator Interconnection Facilities and Network Upgrades	2023	3	GIA Terminated
Rock River SS (X-74) Terminal Upgrade	2023	3	MPFCA Terminated
South Monroe - Browntown (Y-155) 69kV, rebuild	2023	3	MPFCA Terminated
Forsyth - Gwinn 69kV, new line	2024	2	Need No Longer Shown
Arnold SS, 80 MVAR Inductor Bank	2027	2	Need No Longer Shown
Darlington SS Grounding System Upgrades	2021	3	MPFCA Terminated
Falcon SS Grounding System Upgrades	2021	3	MPFCA Terminated
Rock River SS, Bus Switch Upgrade	2021	3	MPFCA Terminated
Construct T-D Roosevelt Road Substation	2022	4	LIRF Withdrawn
Elkhorn SS Grounding System Upgrades	2022	5	MPFCA Terminated
West Middleton SS - Pheasant Branch SS 69kV, Construct	2022	3	Need No Longer Shown
North Monroe SS Grounding System Upgrades	2021	3	MPFCA Terminated
Projects ISY Changes	In-Service Year	Planning Zone	Reason For Change
Hilltop SS, Install 69kV Breakers	2022	1	2020 to 2022
Waupaca Area Energy Storage Project	2022	1	2021 to 2022
Petenwell - Saratoga 138kV (X-43), Line Rebuild	2023	1	2022 to 2023
Mudwater SS, DIC, New Substation	2030	1	2022 to 2030
Winneconne SS, Relay and Breaker Replacement	2022	1	2023 to 2022
Maine - Hilltop 115kV line (U-11), uprate	2022	1	2023 to 2022
Biramwood SS, DIC new substation	2024	1	2023 to 2024
Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild	2024	1	2025 to 2024
Saratoga SS - Control House and Breaker Asset Renewal	2025	1	2024 to 2025
J849, Chandler SS, Interconnection Facilities and Network Upgrades	2023	2	2022 to 2023
Central UP, new DIC	2024	2	2023 to 2024
Eastern UP, new DIC	2024	2	2023 to 2024
Keel Ridge SS, new DIC	2027	2	2025 to 2027
9 mile SW STA - Portage (6901/6902), 69kV, Re-insulate	2025	2	2023 to 2025
Munising Area Reactive Power Project	2024	2	2023 to 2024
Dodgeville SS Grounding System Upgrades	2023	3	2021 to 2023
Eden SS Grounding System Upgrades	2023	3	2021 to 2023
Elkhorn - North Lake Geneva (X-55) 138 kV, uprate	2022	3	2021 to 2022
Hill Valley SS Grounding System Upgrades	2023	3	2021 to 2023
Hillman SS Grounding System Upgrades	2022	3	2021 to 2022
Hillman SS, Upgrade Transformer	2023	3	2021 to 2023
J947 Tennyson SS Generator Interconnection Facilities and Network Upgrades	2023	3	2021 to 2023
Nelson Dewey SS Grounding System Upgrades	2022	3	2021 to 2022
Rock Branch SS Grounding System Upgrades	2023	3	2021 to 2023
Rock River SS Switch Replacement	2023	3	2021 to 2023
Spring Green SS Grounding System Upgrades	2022	3	2021 to 2022
Muscoda SS, DIC add 2nd transformer and substation rebuild	2022	3	2021 to 2022
Concord - Cooney (9042) 138kV, Reconductor	2021	3	2022 to 2021
J818 Jefferson SS Generator Interconnection Facilities and Network Upgrades	2021	3	2022 to 2021
South Beaver Dam - North Beaver Dam (Y-59), 69kV, uprate	2022	3	2023 to 2022
West Middleton - Stagecoach 69kV (6927), Partial Rebuild	2022	3	2023 to 2022
Nelson Dewey SS - Control House, Relay Asset Renewal	2022	3	2024 to 2022
Portage - Columbia 138kV (X-13/X-20), rebuild existing double circuit	2030	3	2024 to 2030
Pflaum SS, Asset Renewal	2022	3	2025 to 2022
Kirkwood SS, Control House, Transformer and Breaker Asset Renewal	2026	3	2024 to 2026
Butte Des Morts - Sunset Point 138kV, Rebuild	2023	4	2021 to 2023
Kewaunee SS, Retire Transformer	2022	4	2021 to 2022
Shoto SS, Transformer (T1) and Breaker Asset Renewal	2022	4	2021 to 2022
Hwy V - Finger Rd 69kV (U-47), Rebuild	2021	4	2022 to 2021
Pioneer - Crivitz 138kV (E-83/B-2), retire 69kV and reconfigure load to 138kV	2023	4	2022 to 2023
Pulliam SS, Transformer Retirement and Bus Reconfiguration	2023	4	2022 to 2023
Wesmark SS, Relay and Breakers	2024	4	2022 to 2024
Henry St. SS, DIC, Retire Substation	2024	4	2022 to 2024
Edgewater SS, DIC, replace transformer and substation rebuild	2025	4	2024 to 2025
Howards Grove - Erdman 138kV, new line	2022	4	2023 to 2022
Summit - Cooney 138kV (6431), Rebuild	2023	5	2022 to 2023
Small Capital Project and Asset Renewal Current Cycle	2022	various	2021 to 2022
Physical Security Current Cycle	2024	various	2021 to 2024
Changed Projects	In-Service Year	Planning Zone	Reason for Project Change
12th Avenue SS, DIC, Transformer Replacement	2023	4	Proposed to Planned / Certified in MTEP20
20th Street SS, Install two 138kV 8.16 MVAR Capacitor Banks	2021	4	Updated Cost Estimate
9 Mile SW STA - Pine River 69kV (6921/23) Partial Rebuild	2025	2	Updated Project Name
Academy - Columbus 69kV (Y-21), Rebuild	2024	3	Provisional to Planned / Updated Cost
Arcadian SS, Power Transformer and Control House Replacement and Asset Renewal	2023	5	Certified in MTEP20
Bain SS, Control House and Breaker Asset Renewal	2021	5	Updated Cost Estimate
Barneveld SS, DIC, new substation	2023	3	Certified in MTEP20 / Updated Cost Estimate
Bass Creek - Town Line Road (X-95) 138kV, reconductor	2022	3	Certified in MTEP20
Berryville SS Grounding System Upgrades	2022	5	Certified in MTEP20
Bonnie Road, DIC, New Substation	2023	3	Provisional to Planned / Updated Cost
Bristol - Elkhorn (X-81) 138 kV, uprate	2022	3	Certified in MTEP20
Brooks Corners SS, DIC, Transformer Addition	2021	1	Updated Cost Estimate
Burlington SS, Install 138kV Breakers	2021	5	Updated Cost Estimate
Butte Des Morts - Sunset Point 138kV, Rebuild	2023	4	Updated Cost Estimate
Caroline SS, Transformer (T31) 69kV Breaker and Relay Asset Renewals	2021	1	Updated Cost Estimate
Cloverleaf SS, Replace Dead End and Switches	2021	4	Updated Cost Estimate
Colley Road SS, Transformer Replacement and Asset Renewal	2023	3	Certified in MTEP20
Communication Reliability Program 2021	2024	various	Certified in MTEP20
Communication Reliability Program 2022	2025	various	Proposed to Planned/ Updated Cost
Concord - Cooney (9042) 138kV, Reconductor	2022	3	Certified in MTEP20
Conover - Mass 69kV (6530) Partial rebuild	2028	2	Updated Project Name
Crivitz SS - Transformer Replacement and Asset Renewal	2024	4	Updated Cost Estimate
Cross Country SS, DIC, Install New Breakers	2021	3	Updated Cost Estimate
Danz Ave			
SW STA - University (WPS) 69kV (O-15), underground rebuild & OPGW	2023	4	Proposed to Planned

Darlington - Rock Branch 69kV (Y-109), Rebuild	2025	3	Provisional to Planned / Updated Cost
Darlington SS Grounding System Upgrades	2021	3	MPFCA Terminated
Dodgeville SS Grounding System Upgrades	2023	3	MPFCA Renegotiated
Dodgeville SS Grounding System Upgrades	2021	3	MPFCA Renegotiated
East Krok - Beardsley, (EAKY11), 69kV, uprate	2023	4	Proposed to Planned
Eden - Highland (X-147) 138kV, uprate	2021	3	Certified in MTEP20
Eden - Lands End 69kV, Loop into Highland SS	2021	3	Certified in MTEP20
Eden SS Grounding System Upgrades	2023	3	MPFCA Renegotiated
Eden SS Grounding System Upgrades	2021	3	MPFCA Renegotiated
Edgewater - Lodestar 138kV (X-48/Y-31), Underground cable rebuild	2023	4	Proposed to Planned / Updated Cost
Elkhorn - North Lake Geneva (X-55) 138 kV, uprate	2021	3	Moved from MTEP Id 19245 to 19146/ Certified in MTEP20
Elkhorn SS Grounding System Upgrades	2022	5	Project Withdrawn
Empire SS, Control House Replacement and Breaker & Relay Asset Renewal	2024	2	Updated Cost
Erdman SS, Transformer and Breaker Asset Renewal	2022	4	Updated Cost Estimate
Falcon SS Grounding System Upgrades	2021	3	MPFCA Terminated
Finger Rd - Danz 69kV (L-64), Rebuild	2022	4	Updated Cost Estimate
Forsyth SS, DIC, Add 1st Transformer	2021	2	Updated Cost Estimate
Gateway - Sycamore (6902), 69kV, rebuild	2023	3	Proposed to Planned
Germantown SS DIC, Install additional transformer	2022	5	Certified in MTEP20 / Proposed to Planned / Updated Cost
Glenview SS, Transformer Retirement and Breaker & Relay Asset Renewal	2023	4	Certified in MTEP20
Henry St. SS, DIC, Retire Substation	2024	4	Certified in MTEP20
Highland - Spring Green (X-17) 138kV, Uprate	2021	3	Certified in MTEP20
Highway V - Preble 138 kV (X-154), reconductor	2023	4	Proposed to Planned
Hill Valley SS Grounding System Upgrades	2023	3	MPFCA Renegotiated
Hill Valley SS Grounding System Upgrades	2021	3	MPFCA Renegotiated
Hillman SS Grounding System Upgrades	2022	3	MPFCA Renegotiated
Hillman SS Grounding System Upgrades	2021	3	MPFCA Renegotiated / Updated ISY
Hillman SS, Upgrade Transformer	2023	3	Moved from MTEP Id 19268 to 19145 / Certified in MTEP20
Hillside SS, Relay and Breaker Replacements	2021	3	Updated Cost Estimate
Hilltop SS, Install 69kV Breakers	2021	1	Updated Cost Estimate
Howards Grove - Erdman 138kV, new line	2022	4	Certified in MTEP20 / Updated Cost Estimate
Huebner SS, Install two 138kV 8.16 MVAR Capacitor Banks	2021	4	Updated Cost Estimate
Hwy V - Finger Rd 69kV (U-47), Rebuild	2021	4	Updated Cost Estimate
J850 North Creek SS Generator Interconnection Facilities and Network Facilities	2022	3	Certified in MTEP20 / Updated Cost Estimate
J850/J878 East Paris SS, new 345/138kV transformer	2022	5	Certified in MTEP20
J864 Lone Rock SS Generator Interconnection Facilities and Network Upgrades	2022	3	Certified in MTEP20
J878 Paris SS Generator Interconnection Facilities and Network Upgrades	2022	5	Certified in MTEP20
J947 Tennyson SS Generator Interconnection Facilities and Network Upgrades	2023	3	Certified in MTEP20 / Updated Cost Estimate
J986 7 Mile Creek SS, Generator Interconnection Facilities and Network Upgrades	2022	1	Provisional to Planned / Updated Cost
Kenosha SS, Breaker, Relay, RTU and Disconnect Asset Renewal	2023	5	Certified in MTEP20
Kewaunee SS, Retire Transformer	2022	4	Certified in MTEP20 / Updated Cost Estimate
Kirkwood SS, Control House , Transformer and Breaker Asset Renewal	2026	3	Updated MTEP Cycle
Lancaster Transformer Replacement & Substation Rebuild	2023	3	Proposed to Planned / Updated Cost
Lincoln - 43rd Street Terminal 138 kV (5053), Replace with double circuit duct bank and XLPE cable	2024	5	Updated Project Name / Provisional to Planned / Updated Cost
Line Clearance Mitigation Program 2021	2024	various	Certified in MTEP20
Line Clearance Mitigation Program 2022	2025	various	Proposed to Planned/ Updated Cost
Load Interconnection Program 2021	2024	various	Certified in MTEP20
Load Interconnection Program 2022	2025	various	Proposed to Planned/ Updated Cost
Mackinac HVDC, System Control and Monitoring (SCM) Asset Renewal	2022	2	Certified in MTEP20 / Updated Cost
Maine - Hilltop 115kV line (U-11), uprate	2022	1	Updated ISY / Proposed to Planned / Certified in MTEP20
Marquette County Reactive Power Project	2023	2	Proposed to Planned / Updated Cost
Masonville SS, DIC, Substation Rebuild and Transformer Additions	2022	2	Updated Cost Estimate
Menominee SS, DIC, Retire Transformer	2021	4	Certified in MTEP20 / Updated Cost Estimate
Muscoda SS, DIC add 2nd transformer and substation rebuild	2022	3	Updated ISY / Updated Cost Estimate
Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW	2025	3	Provisional to Planned / Updated Cost
Nelson Dewey SS Grounding System Upgrades	2021	3	MPFCA Renegotiated
North Appleton SS - Transformer Replacement and Asset Renewal	2024	4	Updated Cost Estimate
North Lake - Greenstone 69kV (NLKY11), Rebuild	2026	2	Updated Cost
North Lake Geneva Tap - Burlington SS (6541) 138 kV, uprate	2022	3	Certified in MTEP20
Paris SS Grounding System Upgrades	2022	5	Certified in MTEP20
Petenwell - Saratoga 138kV (X-43), Line Rebuild	2023	1	Certified in MTEP20
Physical Security Program 2021	2024	various	Certified in MTEP20
Physical Security Program 2022	2025	various	Proposed to Planned/ Updated Cost
Pine SS, DIC, Transformer Replacement	2021	1	Certified in MTEP20
Portage Industrial Park SS, DIC, replace transformers and substation rebuild	2022	3	Updated Cost
Preble SS, DIC, add 4th transformer and substation rebuild	2022	4	Certified in MTEP20
Pulliam SS, Transformer Retirement and Bus Reconfiguration	2023	4	Certified in MTEP20
Range Line			
SW STA, Control House Replacement and Asset Renewal	2022	5	Updated Cost Estimate
Riverside SS, Bus Uprate	2022	4	Updated Cost Estimate
Rock Branch - Dodgeville 69kV (Y-35), Partial Rebuild	2028	3	Updated Cost
Rock Branch SS Grounding System Upgrades	2023	3	MPFCA Renegotiated
Rock County Reliability Project	2024	3	Updated Cost Estimate
Rock River SS Switch Replacement	2023	3	Moved from MTEP Id 19268 to 19145
Saratoga SS - Control House and Breaker Asset Renewal	2025	1	Updated Cost
Sheboygan County SS, DIC, substation rebuild	2023	4	Updated Cost Estimate
Sheboygan County SS, DIC, substation rebuild	2023	4	Certified in MTEP20
Small Capital Project and Asset Renewal Program 2021	2024	various	Certified in MTEP20
Small Capital Project and Asset Renewal Program 2022	2025	various	Proposed to Planned/ Updated Cost
South Beaver Dam - Hubbard, (Y-134), 69kV Rebuild & OPGW	2026	3	Provisional to Planned / Updated Project Name / Updated Cost
South Beaver Dam - North Beaver Dam (Y-59), 69kV, uprate	2023	3	Proposed to Planned / Certified in MTEP20
South Fond du Lac - Spring Brook 69kV (Y-133), Partial rebuild	2030	3	Updated Cost Estimate
Spring Green - Wick Drive (Y-170), 69kV, uprate	2024	3	Proposed to Planned
Spring Green SS Grounding System Upgrades	2022	3	MPFCA Renegotiated
Summit - Cooney 138kV (6431), Rebuild	2023	5	Updated Cost
Sunset Point - Bowen Street (E-5), 69kV, Uprate	2023	4	Proposed to Planned
Sussex to Bark River (46143/2661), 138kV, OPGW Installation	2023	5	Proposed to Planned / Updated Cost
Tilden SS, Control House Replacement and Breaker & Relay Asset Renewal	2023	2	Certified in MTEP20
Tokay SS, DIC, Add Transformer	2023	3	Proposed to Planned / Certified in MTEP20
Waterloo SS, DIC, New 138kV Substation	2021	3	Updated Cost Estimate
Waupaca SS, DIC, transformer addition	2022	1	Certified in MTEP20 / Updated Cost Estimate
Wells St. DIC - new West Marinette-Wells St. 69 kV line	2023	4	Provisional to Proposed / Updated Cost
West Middleton - Stagecoach 69kV (6927), Partial Rebuild	2022	3	Certified in MTEP20 / Proposed to Planned / Updated Cost
Weston - Sherman Street, 115kV line (Z-52), uprate	2023	1	Proposed to Planned / Certified in MTEP20
Whitcomb SS, Transformer (T31) 69kV Breaker Asset Renewals	2021	1	Updated Cost Estimate
Winneconne SS, Relay and Breaker Replacement	2022	1	Updated Cost Estimate
Winona - Atlantic 69kV (Winona69), rebuild	2024	2	Proposed to Planned / Certified in MTEP20

New Projects	In-Service Year	Planning Zone	Project Type
Chaffee Creek SS Grounding Improvements	2023	1	G-T Interconnection
Hancock SS Grounding Improvements	2023	1	G-T Interconnection
Hollywood SS Grounding Improvements	2023	1	G-T Interconnection
J1002 Wautoma SS Network Upgrades and Interconnection Facilities	2023	1	G-T Interconnection
Roeder SS Grounding Improvements	2023	1	G-T Interconnection
Sand Lake SS Grounding Improvements	2023	1	G-T Interconnection
Saratoga SS Grounding Improvements	2023	1	G-T Interconnection
Wautoma SS - Port Edwards SS, 138kV (X-11), uprate	2023	1	G-T Interconnection
Wautoma SS Grounding Improvements	2023	1	G-T Interconnection
Wautoma SS Transformer Replacement	2023	1	G-T Interconnection
Rocky Run Transformer Replacement	2023	1	Reliability
Pittsville - Sigel 69 kV (Y-108), Rebuild	2025	1	Condition and Performance
Rosholt (ATC) Tap - Rosholt (ALTE) SW STR 69 kV (Y-71), Partial Rebuild	2026	1	Condition and Performance
National - Presque Isle (446) Re-Insulate & OPGW	2025	2	Condition and Performance
North Lake SS - Transformer Asset Renewal	2025	2	Condition and Performance
Ontonagon - Victoria Hy 69kV (Ontonagon69) Reinsulate	2024	2	Condition and Performance
Western Marquette County DIC	2024	2	Load Interconnection
9 mile SW STA - Portage (6901/6902), 69kV, Re-insulate	2025	2	Condition and Performance
Blaney Park - Mich Limestone Quarry Tap 69 kV (6914), Partial Rebuild	2025	2	Condition and Performance
Chandler - Delta 69 kV (Delta1), Partial Rebuild	2026	2	Condition and Performance
North Lake - Greenstone 69kV (NLKY11), Rebuild	2026	2	Condition and Performance
Pine River - Mich Limestone Loading Dock 69 kV (ESE_6906), Rebuild	2027	2	Condition and Performance
Western U.P. Stability Enhancement	2023	2	Reliability
Husikamp - Ruskin (6937), Partial Rebuild	2025	3	Condition and Performance
South Monroe - Brownstone (Y-155), Partial Rebuild	2026	3	Condition and Performance
J1000 Comet SS Network Upgrades and Interconnection Facilities	2023	3	G-T Interconnection
J1003 North Beaver Dam SS Network Upgrades and Interconnection Facilities	2023	3	G-T Interconnection
J1154 Crawfish River Solar Network Upgrades	2023	3	G-T Interconnection
J1188 Sheepskin SS Network Upgrades and Interconnection Facilities	2022	3	G-T Interconnection
Walnut - Blount, new 69kV transmission line	2031	3	Reliability
Rockdale and Christiana SS - Control House and Relay Asset Renewal	2025	3	Condition and Performance
Madison Area Reactive Power Project	2023	3	Reliability
Tower Dr - Pulliam (P-16/R-70), Partial Rebuild	2025	4	Condition and Performance
J1101 Kewaunee SS Network Upgrades and Interconnection Facilities	2023	4	G-T Interconnection
Plymouth #5 - New DIC	2024	4	Load Interconnection
Fitzgerald SS - Transformer Asset Renewal	2025	4	Condition and Performance
West Marinette SS - Transformer and Breaker Asset Renewal	2025	4	Condition and Performance
New Holstein Area Reliability Project	2025	4	Reliability
Everett GIS Asset Renewal	2025	5	Condition and Performance
Norwich - Harbor 138kV, (893K11), underground line replacement	2025	5	Condition and Performance
Oak Creek, Racine SS and Remote Ends, Control Buildings and Relaying Asset Renewal	2025	5	Condition and Performance
Port Washington - Sauville 138 kV (X-132/X-133) partial rebuild	2025	5	Reliability
Communication Reliability Program 2023	2026	various	Communication
Small Capital Project and Asset Renewal Program 2023	2026	various	Condition and Performance
Line Clearance Mitigation Program 2023	2026	various	Line Clearance
Physical Security Program 2023	2026	various	Physical Security
Load Interconnection Program 2023	2026	various	T-D Interconnection
Renewable Reinforcement Project	2027	3	Reliability
Bloomington (BLO)-LaPointe Sw Str (LPTT), 69kV, Y43 Rerate	2021	3	Line Clearance
Bluff LNG SS, new DIC	2022	3	T-D Interconnection
Sunset Point - Bowen Street (E-5), 69kV, Uprate	2023	4	Reliability
Blackhawk SS, New DIC	2022	3	T-D Interconnection
Kelly SS, New DIC	2024	1	T-D Interconnection
Branch SS, Relay Replacement and Asset Renewal	2025	5	Condition and Performance
LaMar SS - Sheepskin SS, 69kV (Y-61), rerate	2021	3	Line Clearance
Wittenburg SS, DIC Substation Retirement	2022	1	T-D Interconnection
Port Edwards SS, DIC, Transformer Retirement	2022	1	T-D Interconnection
Sun Prairie Park, DIC, Substation Rebuild	2023	3	T-D Interconnection
Northview SS DIC New Substation	2023	4	T-D Interconnection
Sharon SS, DIC, New Substation	2023	3	T-D Interconnection
Anderson Creek SS, DIC New SS	2023	4	T-D Interconnection