Project Name	2021 Est. In-Service Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Dane - Waunakee 69kV (Y-143), Rebuild	2021	3	Condition and Performance	Planned	A in MTEP17	12177	\$ 7,000,000.00	In-Service
Hillside SS, Relay and Breaker Replacements	2021	3	Condition and Performance	Planned	A in MTEP18	13802	\$ 2,000,000.00	
Eden - Highland (X-147) 138kV, uprate	2021	3	G-T Interconnection	Planned	A in MTEP20	19269	\$ 695,243.00	In-Service
Eden - Lands End 69kV, Loop into Highland SS Highland - Spring Green (X-17) 138kV, Uprate	2021	3	G-T Interconnection G-T Interconnection	Planned Planned	A in MTEP20 A in MTEP20	17525	\$ 13,674,246.00	
J855 Ebenezer SS Generator Interconnection Facilities and Network Upgrades	2021	3	G-T Interconnection	Planned	A in MTEP20	17525 18665	\$ 2,981,519.00 \$ 5,526,333.00	In-Service
Cross Country SS, DIC, Install New Breakers	2021	3	T-D Interconnection	Planned	A in MTEP19	14906	\$ 980,000,00	In-Service
Portage Industrial Park SS, DIC, replace transformers and substation rebuild	2021	3	T-D Interconnection	Planned	A in MTEP18	15127	\$ 1.660,000.00	in service
Waterloo SS, DIC, New 138kV Substation	2021	3	T-D Interconnection	Planned	A in MTEP19	14906	\$ 1,423,200.00	
Concord - Cooney (9042) 138kV, Reconductor	2021	3	G-T Interconnection	Planned	A in MTEP20	18925	\$ 3,363,101.00	
J818 Jefferson SS Generator Interconnection Facilities and Network Upgrades	2021	3	G-T Interconnection	Planned	A in MTEP20	18925	\$ 1,669,458.00	
Bloomington (BLO)-LaPointe Sw Str (LPTT), 69kV, Y43 Rerate	2021	3	Line Clearance	Planned	A in MTEP19	14912	\$ 600,000.00	In-Service
Brodhead Muni 4 SS, DIC, New Substation	2021	3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 400,000.00	
LaMar SS - Sheepskin SS, 69kV (Y-61), rerate Fikhorn - North Lake Geneva (X-55) 138 kV, uprate	2021	3	Line Clearance	Planned	A in MTEP20	14913	\$ 510,000.00	
	2022	3	G-T Interconnection	Planned	A in MTEP20	19146	\$ 372,880.00	AADEGA D
Hillman SS Grounding System Upgrades Spring Green SS Grounding System Upgrades	2022	3	G-T Interconnection	Planned Planned	A in MTEP20 A in MTEP22	19248 22045	\$ 181,784.00	MPFCA Renegotiated / ISY Updated
Muscoda SS, DIC add 2nd transformer and substation rebuild	2022	3	G-T Interconnection T-D Interconnection	Planned	A in MTEP18	15124	\$ 220,000.00 \$ 5,000,000.00	MPFCA Renegotiated / ISY Updated / Target A for MTEP22
McCue SS, Circuit Breaker Asset Renewal	2022	3	Condition and Performance	Planned	A in MTEP18	14908	\$ 1,775,000.00	
Bass Creek - Town Line Road (X-95) 138kV, reconductor	2022	3	G-T Interconnection	Planned	A in MTEP20	19146	\$ 4,445,862.00	
Bristol - Elkhorn (X-81) 138 kV, uprate	2022	3	G-T Interconnection	Planned	A in MTEP20	19146	\$ 790,866.00	
J850 North Creek SS Generator Interconnection Facilities and Network Facilities	2022	3	G-T Interconnection	Planned	A in MTEP20	19146	\$ 6,324,293.00	
J864 Lone Rock SS Generator Interconnection Facilities and Network Upgrades	2022	3	G-T Interconnection	Planned	A in MTEP20	19225	\$ 1,767,400.00	
North Lake Geneva Tap - Burlington SS (6541) 138 kV, uprate	2022	3	G-T Interconnection	Planned	A in MTEP20	19146	\$ 1,232,351.00	
Green County, new DIC	2022	3	T-D Interconnection	Planned	A in MTEP18	15129	\$ 4,000,000.00	
South Beaver Dam - North Beaver Dam (Y-59), 69kV, uprate	2022	3	Reliability	Planned	A in MTEP20	14909	\$ 70,000.00	Updated ISY
West Middleton - Stagecoach 69kV (6927), Partial Rebuild	2022	3	Reliability	Planned	A in MTEP20	12175	\$ 3,820,000.00	
Nelson Dewey SS - Control House, Relay Asset Renewal Pflaum SS Asset Renewal	2022	3	Condition and Performance	Planned	A in MTEP21	19105	\$ 6,170,000.00	Expected MTEP21 Target A Approval
J1188 Sheepkskin SS Network Upgrades and Interconnection Facilities	2022	3	Condition and Performance G-T Interconnection	Planned Planned	A in MTEP18 A in MTEP22	13768 22046	\$ 2,075,688.00 \$ 1,129,461.00	Target A in MTEP22
Bluff LNG SS, new DIC	2022	3	T-D Interconnection	Planned	A in MTEP20	14907	\$ 1,348,859.00	Target A III WI EP22
Blackhawk SS. New DIC	2022	3	T-D Interconnection	Provisional	A in MTEP21	14968	\$ 150.000.00	
Dodgeville SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	A in MTEP20	19226	\$ 220,000.00	MPFCA Renegotiated
Eden SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	A in MTEP20	19246	\$ 794,591.00	MPFCA Renegotiated
Hill Valley SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	A in MTEP20	19246	\$ 611,927.00	MPFCA Renegotiated
Hillman SS, Upgrade Transformer	2023	3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 3,132,719.00	
J947 Tennyson SS Generator Interconnection Facilities and Network Upgrades	2023	3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 5,756,434.00	
Rock Branch SS Grounding System Upgrades	2023	3	G-T Interconnection	Planned	A in MTEP20	19226	\$ 220,000.00	MPFCA Renegotiated
Rock River SS Switch Replacement	2023	3	G-T Interconnection	Planned	A in MTEP20	19145	\$ 95,737.00	
Colley Road SS, Transformer Replacement and Asset Renewal	2023	3	Condition and Performance	Planned	A in MTEP20	17585	\$ 3,150,000.00	
Gateway - Sycamore (6902), 69kV, rebuild	2023	3	Reliability	Planned	A in MTEP21	14964	\$ 2,900,000.00	Proposed to Planned / Expected MTEP21 Target A Approval
Cardinal - Hickory Creek 345kV, Line Construction	2023	3	Reliability, Economic and Policy	Planned	A in MTEP11	3127	\$ 492,200,000.00	
Barneveld SS, DIC, new substation Bonnie Road, DIC, New Substation	2023	3	T-D Interconnection	Planned	A in MTEP20	18052	\$ 14,102,000.00	Provisional to Planned / Expected MTEP21 Target A Approval / Updated Cost
Tokay SS, DIC, Add Transformer	2023 2023	3	T-D Interconnection	Planned	A in MTEP21	19806		
J1000 Comet SS Network Upgrades and Interconnection Facilities	2023	3	T-D Interconnection		A :- NATEDOO	14007	\$ 3,504,413.00	
J1003 North Beaver Dam SS Network Upgrades and Interconnection Facilities				Planned	A in MTEP20	14907	\$ 500,000.00	Prposed to Planned
IO 1003 INOTAL DEAVEL DATA 33 INCINOTA ODUTAGES AND INTERCONNECTION FACILITIES			G-T Interconnection	Planned	A in MTEP22	21648	\$ 500,000.00 \$ 6,693,598.00	Prposed to Planned Target A in MTEP22
	2023	3	G-T Interconnection G-T Interconnection	Planned Planned	A in MTEP22 A in MTEP22	21648 21813	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22
J1003 Norm Beaver Dam SS Network Upgrades and interconnection Facilities J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild			G-T Interconnection	Planned Planned Planned	A in MTEP22	21648	\$ 500,000.00 \$ 6,693,598.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project	2023 2023	3	G-T Interconnection G-T Interconnection G-T Interconnection	Planned Planned	A in MTEP22 A in MTEP22 A in MTEP22	21648 21813 22047	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DiC, Substation Rebuild	2023 2023 2023 2023 2023 2023	3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection	Planned Planned Planned Planned Provisional Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP22 A in MTEP20	21648 21813 22047 20925 22003 14907	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 3,700,000.00 \$ 10,000,000.00 \$ 1,400,000.00	Prposed to Planned Target A in MTEP22 Expected MTEP21 Target A Approval
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation	2023 2023 2023 2023 2023 2023 2023	3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection	Planned Planned Planned Planned Provisional Planned Planned Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP20	21648 21813 22047 20925 22003 14907 14968	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 3,700,000.00 \$ 10,000,000.00 \$ 1,400,000.00 \$ 790,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prane Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 68kV (Y-21), Rebuild	2023 2023 2023 2023 2023 2023 2023 2024	3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection Condition and Performance	Planned Planned Planned Planned Provisional Planned Planned Planned Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP20 A in MTEP21 A in MTEP21	21648 21813 22047 20925 22003 14907 14968 10590	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 3,700,000.00 \$ 10,000,000.00 \$ 1,400,000.00 \$ 790,000.00 \$ 8,800,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate	2023 2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection Condition and Performance Reliability	Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP22 A in MTEP21	21648 21813 22047 20925 22003 14907 14968 10590 14964	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 3,700,000.00 \$ 10,000,000.00 \$ 790,000.00 \$ 790,000.00 \$ 8,800,000.00 \$ 1,500,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock County Reliability Project	2023 2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability	Planned Provisional	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP21 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 3,700,000.00 \$ 11,400,000.00 \$ 790,000.00 \$ 790,000.00 \$ 8,800,000.00 \$ 1,500,000.00 \$ 49,721,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Praire Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 68kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock County Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance	Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Provisional Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP21 A in MTEP22 A in MTEP22 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000,000.00 \$ 10,000,000.00 \$ 1,400,000.00 \$ 8,800,000.00 \$ 1,500,000.00 \$ 49,721,000.00 \$ 16,700,000.00	Prposed to Planned Target Ain MTEP22 Expected MTEP21 Target A Approval Target Bin MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target Ain MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 68kV (Y-21), Rebuild Spring Green - Wick Drive (Y-179), 69kV, uprate Rock County Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 68kV, rebuild & OPGW	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance Reliability Condition and Performance	Planned Provisional Planned Planned Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP20 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000,000.00 \$ 11,000,000.00 \$ 790,000.00 \$ 8,800,000.00 \$ 1,500,000.00 \$ 49,721,000.00 \$ 16,700,000.00 \$ 16,700,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock Courty Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bioomington (Y-184), 69kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance	Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Provisional Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP21 A in MTEP22 A in MTEP22 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000,000.00 \$ 10,000,000.00 \$ 790,000.00 \$ 8,800,000.00 \$ 1,500,000.00 \$ 49,721,000.00 \$ 16,700,000.00 \$ 16,700,000.00 \$ 16,300,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target A in MTEP22 Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock Courty Reliability Project Darington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bioomington (Y-184), 69kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild Rockdale and Christiana SS - Control House and Relay Asset Renewal	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Reliability Reliability Condition and Performance Reliability, Condition and Performance Condition and Performance	Planned Provisional Planned Planned Planned Planned Planned Provisional	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP20 A in MTEP20 A in MTEP20 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000,000.00 \$ 11,000,000.00 \$ 790,000.00 \$ 790,000.00 \$ 49,721,000.00 \$ 49,721,000.00 \$ 16,700,000.00 \$ 16,300,000.00 \$ 5 5,800,000.00 \$ 5 5,800,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Driver (Y-170), 69kV, uprate Rock County Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild Rock dale and Christiana SS - Control House and Relay Asset Renewal South Beaver Dam - Hubbard, (Y-134), 69kV, Rebuild & OPGW	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance Reliability, Condition and Performance Condition and Performance Condition and Performance Condition and Performance	Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Planned Provisional Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP20 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000.000 \$ 10,000.000 \$ 790,000.00 \$ 790,000.00 \$ 49,721,000.00 \$ 16,300,000.00 \$ 16,300,000.00 \$ 5 7,900,000.00 \$ 20,100,000.00	Prposed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Provisional to Planned / Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock County Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild Rockdale and Christiana SS - Control House and Relay Asset Renewal South Beaver Dam - Hubbard, (Y-134), 69kV Rebuild & OPGW South Morroe - Brownstone (Y-155), Partial Rebuild	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Reliability Condition and Performance Reliability Condition and Performance	Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Planned Planned	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP21 A in MTEP20 A in MTEP20 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 1,000,000.00 \$ 11,000,000.00 \$ 14,000,000.00 \$ 799,000.00 \$ 8,800,000.00 \$ 49,721,000.00 \$ 16,700,000.00 \$ 16,700,000.00 \$ 5,800,000.00 \$ 5,800,000.00 \$ 5,800,000.00 \$ 5,800,000.00 \$ 5,800,000.00 \$ 5,800,000.00 \$ 10,300,000.00 \$ 5,800,000.00 \$ 10,300,000.00 \$ 10,300,000.00	Prposed to Planned Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target A in MTEP22 Provisional to Planned / Target A MTEP22 Target A in MTEP22 Target A in MTEP22 Provisional to Planned / Updated Project Name / Target A MTEP22/Updated Cost Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Driver (Y-170), 69kV, uprate Rock County Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild Rock dale and Christiana SS - Control House and Relay Asset Renewal South Beaver Dam - Hubbard, (Y-134), 69kV, Rebuild & OPGW	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance Reliability, Condition and Performance Condition and Performance Condition and Performance Condition and Performance	Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Provisional Planned Provisional Planned Provisional	A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP22 A in MTEP21 B in MTEP22 A in MTEP20 A in MTEP20 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628 18047	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000.000 \$ 10,000.000 \$ 790,000.00 \$ 790,000.00 \$ 49,721,000.00 \$ 16,300,000.00 \$ 16,300,000.00 \$ 5 7,900,000.00 \$ 20,100,000.00	Proosed to Planned Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target A in MTEP22 Target A in MTEP22 Provisional to Planned / Target A MTEP22/Updated Cost Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 68kV (Y-21), Rebuild Spring Green - Wick Drive (Y-179), 69kV, uprate Rock County Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 68kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild Rockdale and Christiana SS - Control House and Relay Asset Renewal South Beaver Dam - Hubbard, (Y-134), 69kV Rebuild & OPGW South Morroe - Brownstone (Y-155), Partial Rebuild Kirkwood SS, Control House, Transformer and Breaker Asset Renewal	2023 2023 2023 2023 2023 2023 2024 2024	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance Reliability, Condition and Performance	Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Planned Provisional Planned Provisional	A in MTEP22 A in MTEP20 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP22	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628 18047 21916	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 1,000,000.00 \$ 10,000,000.00 \$ 79,000.00 \$ 8,800,000.00 \$ 15,500,000.00 \$ 16,300,000.00 \$ 16,700,000.00 \$ 7,900,000.00 \$ 7,900,000.00 \$ 7,900,000.00 \$ 7,900,000.00 \$ 7,900,000.00 \$ 7,751,000.00 \$ 10,300,000.00 \$ 50,000,000.00	Prposed to Planned Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target A in MTEP22 Provisional to Planned / Target A MTEP22 Target A in MTEP22 Target A in MTEP22 Provisional to Planned / Updated Project Name / Target A MTEP22/Updated Cost Target A in MTEP22
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J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock County Reliability Project Darlington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild Rockdale and Christiana SS - Control House and Relay Asset Renewal South Beaver Dam - Hubbard, (Y-134), 69kV Rebuild & OPGW South Morroe - Brownstone (Y-155), Partial Rebuild Kirkwood SS, Control House, Transformer and Breaker Asset Renewal Renewable Reinforcement Project Hillman - Darlington 138kV (X-144, 101), Rebuild Rock Branch - Dodgeville 69kV (Y-35), Partial Rebuild Portage - Columbia 138kV (X-134, 20), rebuild dexisting doubte circuit South Fond du Lac - Spring Brook 69kV (Y-133), Partial rebuild Walnut: Blount, new 69kV transmission line Nelson Dewey SS Grounding System Upgrades	2023 2023 2023 2023 2023 2023 2023 2023	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Reliability Condition and Performance Reliability Condition and Performance Reliability Condition and Performance Reliability Condition and Performance Reliability Condition and Performance	Planned Planned Planned Planned Planned Planned Provisional Planned Planned Planned Planned Planned Planned Planned Planned Provisional Planned Planned Provisional Planned Provisional Planned Provisional Provisional Provisional Provisional Provisional Provisional Provisional Provisional Provisional Planned Provisional Planned Provisional Planned Provisional	A in MTEP22 A in MTEP20 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP21 A in MTEP22 A in MTEP23 B in MTEP22 A in MTEP23 B in MTEP23 B in MTEP23 A in MTEP19 B in MTEP19	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628 18047 21916 19963 21905 4726 4730	\$ 500,000.00 \$ 1,031,386.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000,000.00 \$ 10,000,000.00 \$ 790,000.00 \$ 790,000.00 \$ 49,721,000.00 \$ 16,700,000.00 \$ 16,700,000.00 \$ 5,800,000.00 \$ 7,900,000.00 \$ 7,900,000.00 \$ 7,900,000.00 \$ 7,900,000.00 \$ 7,571,000.00 \$ 7,571,000.00 \$ 10,300,000.00 \$ 7,571,000.00 \$ 10,300,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,700,000.00 \$ 11,700,000.00 \$ 17,000,000.00 \$ 17,000,000.00 \$ 17,000,000.00 \$ 17,000,000.00	Prposed to Planned Target A in MTEP22 Expected MTEP21 Target A Approval Target B in MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22
J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock County Reliability Project Darington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & OPGW Huskamp - Ruskin (6937), Partial Rebuild Rockdale and Christiana SS - Control House and Relay Asset Renewal South Beaver Dam - Hubbard, (Y-134), 69kV Rebuild & OPGW South Morroe - Brownstone (Y-155), Partial Rebuild Kirkwood SS, Control House, Transformer and Breaker Asset Renewal Renewable Reinforcement Project Hilman - Darlington 138kV (X-14/K-101), Rebuild Rock Branch - Dodgeville 69kV (Y-35), Partial Rebuild Portage - Columbia 138kV (X-13/k-20), rebuild existing double circuit South Fond du Lae - Syring Brock 69kV (Y-133), Partial rebuild Walnut - Blount, new 69kV transmission line Nelson Dewey SS Grounding System Upgrades	2023 2023 2023 2023 2023 2023 2023 2023	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection T-D Interconnection T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance Reliability, Condition and Performance Reliability Condition and Performance Reliability Condition and Performance Reliability Condition and Performance Reliability Condition and Reformance Reliability Reliability G-T Interconnection Reliability	Planned Provisional Provisional Provisional Provisional Provisional Provisional Planned Provisional Planned Provisional Planned Provisional Planned Provisional Planned	A in MTEP22 A in MTEP21 A in MTEP22 B in MTEP22 B in MTEP23 B in MTEP23 A in MTEP24 A in MTEP24 A in MTEP25 B in MTEP25 A in MTEP26 A in MTEP26 A in MTEP27 A in MTEP28 B in MTEP28 B in MTEP21 A in MTEP20	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628 18047 21916 19963 21905 4726 4730 13739 1730	\$ 500,000.00 \$ 1,343,684.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 10,000,000.00 \$ 11,000,000.00 \$ 14,000,000.00 \$ 14,000,000.00 \$ 1,500,000.00 \$ 15,000,000.00 \$ 15,000,000.00 \$ 16,300,000.00 \$ 16,700,000.00 \$ 16,300,000.00 \$ 10,300,000.00 \$ 20,100,000.00 \$ 20,100,000.00 \$ 21,000,000.00	Proposed to Planned Target Ain MTEP22 Expected MTEP21 Target A Approval Target Bin MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target Ain MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target Ain MTEP22 Target Ain MTEP22 Provosional to Planned / Target A MTEP22 Target Ain MTEP22 Target Bin MTEP22 Updated Cost
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J1154 Crawfish River Solar Network Upgrades Lancaster Transformer Replacement & Substation Rebuild Madison Area Reactive Power Project Sun Prarie Park, DIC, Substation Rebuild Sharon SS, DIC, New Substation Academy - Columbus 69kV (Y-21), Rebuild Spring Green - Wick Drive (Y-170), 69kV, uprate Rock County Reliability Project Darington - Rock Branch 69kV (Y-109), Rebuild Nelson Dewey - Bloomington (Y-184), 69kV, rebuild & O'FGW Huskamp - Ruskin (6937), Partial Rebuild Rockdale and Christians SS - Control House and Relay Asset Renewal South Beaver Darn - Hubbard (Y-134), 69kV Rebuild & O'FGW South Morroe - Brownstone (Y-155), Partial Rebuild Krikvood SS, Control House , Transformer and Breaker Asset Renewal Renewable Retriforcement Project Hillman - Darlington 138kV (X-14/X-101), Rebuild Rock Branch - Dodgeville 69kV (Y-35), Partial Rebuild Portage - Columbia 138kV (X-137x-20), rebuild existing double circuit South Fond du Lac - Spring Brook 69kV (Y-133), Partial rebuild Walnut - Blount, new 69kV transmission line Nelson Dewey SS Grounding System Upgrades Gran Grae SS, Install a second 16/109kV transformer Distribution Interconnection Current Cycle Small Capital Project and Asset Renewal Current Cycle Communication Reliability Upgrades 2019	2023 2023 2023 2023 2023 2023 2023 2023	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	G-T Interconnection G-T Interconnection G-T Interconnection T-D Interconnection Reliability T-D Interconnection T-D Interconnection T-D Interconnection T-D Interconnection Condition and Performance Reliability Reliability Condition and Performance Reliability Condition and Performance Reliability Condition and Performance Reliability Condition and Performance Reliability T-D Interconnection Reliability T-D Interconnection Condition and Performance	Planned Provisional Planned Provisional Provisional Provisional Provisional Planned	A in MTEP22 A in MTEP21 A in MTEP22 A in MTEP23 A in MTEP28 A in MTEP18 B in MTEP18 B in MTEP19 A in MTEP19 A in MTEP18 A in MTEP20 A in MTEP20 A in MTEP18 A in M	21648 21813 22047 20925 22003 14907 14968 10590 14964 20805 18046 19962 21347 21628 18046 19962 21347 21628 18046 19962 21347 21628 18046 19962 1305 4726 	\$ 500,000.00 \$ 6,693,598.00 \$ 1,031,386.00 \$ 2,343,684.00 \$ 1,000,000.00 \$ 1,400,000.00 \$ 1,000,000.00 \$ 1,900,000.00 \$ 1,500,000.00 \$ 1,500,000.00 \$ 1,500,000.00 \$ 1,500,000.00 \$ 16,700,000.00 \$ 16,700,000.00 \$ 16,300,000.00 \$ 7,900,000.00 \$ 5,800,000.00 \$ 20,100,000.00 \$ 10,300,000.00 \$ 10,300,000.00 \$ 10,300,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 11,500,000.00 \$ 13,000,000.0	Proposed to Planned Target Ain MTEP22 Expected MTEP21 Target A Approval Target Bin MTEP22 Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Proposed to Planned / Expected MTEP21 Target A Approval Target Ain MTEP22 Provisional to Planned / Target A in MTEP22 Provisional to Planned / Target A in MTEP22 Target Ain MTEP22 Target Ain MTEP22 Provosional to Planned / Target A MTEP22 Target Ain MTEP22 Target Bin MTEP22 Updated Cost

Project Name	2021 Est. In-Service Year	ZONE	Need Category	Planned / Proposed / Provisional	MISO MTEP Appendix (BOLD = Certified)	MTEP PRJID	Cost	Explanation
Communication Reliability Upgrades 2020	2023	various	Communication	Planned	A in MTEP19	14910	\$ 11,344,615.00	
Small Capital Project and Asset Renewal 2020	2023	various	Condition and Performance	Planned	A in MTEP19	14908	\$ 35,906,079.00	
Line Clearance Mitigation Project 2020	2023	various	Line Clearance	Planned	A in MTEP19	14912	\$ 12,062,247.00	
Physical Security 2020	2023	various	Physical Security	Planned	A in MTEP19	14914	\$ 21,603,965.00	
Load Interconnection 2020	2023	various	T-D Interconnection	Planned	A in MTEP19	14906	\$ 26,774,954.00	
Physical Security Current Cycle	2024	various	Physical Security	Planned	A in MTEP18	13826	\$ 67,198,396.00	
Communication Reliability Program 2021	2024	various	Communication	Planned	A in MTEP20	14911	\$ 10,927,208.00	
Small Capital Project and Asset Renewal Program 2021	2024	various	Condition and Performance	Planned	A in MTEP20	14909	\$ 38,913,412.00	
Line Clearance Mitigation Program 2021	2024	various	Line Clearance	Planned	A in MTEP20	14913	\$ 3,791,502.00	
Physical Security Program 2021	2024	various	Physical Security	Planned	A in MTEP20	14915	\$ 17,908,909.00	
Load Interconnection Program 2021	2024	various	T-D Interconnection	Planned	A in MTEP20	14907	\$ 20,124,594.00	
Communication Reliability Program 2022	2025	various	Communication	Planned	A in MTEP21	14965	\$ 19,252,066.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Small Capital Project and Asset Renewal Program 2022	2025	various	Condition and Performance	Planned	A in MTEP21	14964	\$ 52,320,773.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Line Clearance Mitigation Program 2022	2025	various	Line Clearance	Planned	A in MTEP21	14966	\$ 2,832,841.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Physical Security Program 2022	2025	various	Physical Security	Planned	A in MTEP21	14967	\$ 11,797,871.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Load Interconnection Program 2022	2025	various	T-D Interconnection	Planned	A in MTEP21	14968	\$ 27,586,994.00	Proposed to Planned/ Expected MTEP21 Target A Approval/ Updated Cost
Communication Reliability Program 2023	2026	various	Communication	Provisional	A in MTEP22	16767	\$ 7,000,000.00	Target A in MTEP22
Small Capital Project and Asset Renewal Program 2023	2026	various	Condition and Performance	Provisional	A in MTEP22	16766	\$ 65,000,000.00	Target A in MTEP22
Line Clearance Mitigation Program 2023	2026	various	Line Clearance	Provisional	A in MTEP22	16768	\$ 6,000,000.00	Target A in MTEP22
Physical Security Program 2023	2026	various	Physical Security	Provisional	A in MTEP22	16769	\$ 1,800,000.00	Target A in MTEP22
Load Interconnection Program 2023	2026	various	T-D Interconnection	Provisional	A in MTEP22	16770	\$ 37,000,000.00	Target A in MTEP22

LEGEND

No Shading = No change to project since previous Assessment

Green Shading = Project In-Service (Interim Updates Only)

Orange Shading = new project, was not in previous Assessment project list

Gray Shading = Some Change has happened since the last posted list

COMMONLY USED DEFINITIONS

DIC - Distribution Interconnection
GIA - Generator Interconnection Agreement

GIC - Generator Interconnection MPFCA - Multi-Party Facility Agreement

MISO MTEP Appendix - Indicates MTEP Cycle, Cycles MTEP20 and prior are Certified in MISOs' Regional Plan for A projects (BOLDED), MTEP21 and future cycles are not yet certified at the time of publication (10/2021).