Halloy SS, Install BBW Devalues 2020 1 Condition and Performance Planned A in MTEP12 12031 \$ 1,000,000.00 Wild Rose - Harnison GikV (Vr19), Partial Rebuild 2020 1 Condition and Performance Planned A in MTEP18 12147 \$ 14,000,000.00 Eagle Rover Canberry SS, DIC, 2nd Tandomer 2020 1 Condition and Performance Planned A in MTEP18 12147 \$ 14,000,000.00 Eagle Rover Canberry SS, DIC, 2nd Tandomer 2020 1 T-D Interconnection Planned A in MTEP18 13767 \$ 371,249.00 5222,000.00 Lyndon Station SS, Replace Transformer (T3) GiVK Breaker and Relay Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 3821 \$ 2,0000.000.00 Harrison St, Install GiVK Breaker Addition 2021 1 Condition and Performance Planned A in MTEP18 3821 \$ 2,0000.000.00 Startaga - Cryne 115KV (Tr2), Rebuild 2021 1 Condition and Performance Planned A in MTEP12 12125 \$		2020 Estimated In-Service			Planned / Proposed /	MISO MTEP Appendix (BOLD =	MTEP	
Wild Rose - Harrison 69K/V (1-19), Partial Rebuild 2020 1 Condition and Performance Planned A in MTEP18 121/47 S 14/400,000.00 Eagle River Cranberty SS, DIC, 2nd Transformer 2020 1 T-D Interconnection Planned A in MTEP18 123/31 S 34/400,000.00 Eagle River Cranberty SS, DIC, 2nd Transformer and Substation Rebuild 2020 1 T-D Interconnection Planned A in MTEP18 133/31 S 34/400,000.00 Uption Statin SS, Replace Transformer and Substation Rebuild 2020 1 T-D Interconnection Planned A in MTEP18 133/31 S 31/4240,000.00 Caroline SS, Transformer (73) (SRV Breaker and Reby Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 132/31 S 44/88,625.00 Vinition SS, Transformer (73) (SRV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 132/31 S 44/88,625.00 Wintcoms SS, Transformer (73) (SRV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18	Project Name	Year	ZONE	Need Category	Provisional	Certified)	PRJID	Cost
Big Pand SS, Retire Substation 2020 1 Retirement Planned A in MTEP18 13831 \$ 454,000.00 Homme SS, New DC 2020 1 T-D Interconnection Planned A in MTEP18 13906 \$ 2020.00 Lynch Station SS, Realize Transformer and Substation Rebuild 2020 1 T-D Interconnection Planned A in MTEP18 13905 \$ \$202.000.00 Harrison SS, Instantion 2021 1 Condition and Performance Planned A in MTEP18 13821 \$ \$2,000.000.00 Harrison SS, Instantion 2021 1 Condition and Performance Planned A in MTEP18 13821 \$ \$2,000.000.00 Sarataga: Oxyme 110XV (1-72), Rebuild 2021 1 Condition and Performance Planned A in MTEP18 13821 \$ \$2,000.000.00 Mitcomis SS, Transformer (13) 6XV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 13821 \$ \$2,000.000.00 Mitcomis SS, Transformer (13) 6XV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18	Hilltop SS, Install 69kV Breakers	2020	1	Condition and Performance	Planned	A in MTEP17	12031	\$ 1,000,000.00
Engle Rever Canberry SS, DIC. 2nd Transformer 2020 1 T-D Interconnection Planned A in MTEP13 19906 \$202,000.00 Lyndon Station SS, Replace Transformer and Substation Rebuild 2020 1 T-D Interconnection Planned A in MTEP13 13787 \$371,249.00 Caroline SS, Transformer (T3) (6%V Breaker and Relay Assel Renewals 2021 1 Condition and Performance Planned A in MTEP18 14905 \$202,000.00 Harrison Noth SS, Breaker Addition 2021 1 Condition and Performance Planned A in MTEP18 14905 \$2,000.000.00 Saratoga - Comp Caroline SS, Instal 6%W, Dreakers 2021 1 Condition and Performance Planned A in MTEP18 14905 \$2,200.000.00 Withcomb SS, Transformer (T31) 6%W Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14995 \$2,400.000.00 Watter Caroline SS, Instander Caroline Sardites and Network Upgrades 2021 1 Condition and Performance Planned A in MTEP18 14987 \$5,469,503.00 Barrade Nose Marker SS, Add Network Upgrades	Wild Rose - Harrison 69kV (Y-19), Partial Rebuild	2020	1	Condition and Performance	Planned	A in MTEP18	12147	\$ 14,400,000.00
Homme SS. New DIC 2020 1 T-D Interconnection Planned A In MTEP18 13727 \$ 371,249.00 Lyndon Station SS. Replace Transformer (T31) 69kV Breaker and Relay Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14905 \$ \$\$870,000.00 Harrison SS, Instal GAV Breaker and Relay Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14905 \$ \$ 4,488,625.00 Marrison SS, Install GAV Breakers 2021 1 Condition and Performance Planned A in MTEP18 14905 \$ \$ 4,680,000.00 Stataga - Coyne 115kV (T-72), Rebuild 2021 1 Condition and Performance Planned A in MTEP18 14905 \$ \$ 5 6,660,000.00 Withcom SS, Transformer (31) 69kV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14905 \$ 5 6,660,000.00 Withcom SS, Transformer (31) 69kV Breaker Asset Renewals 2021 1 G-Ti Interconnection Planned A in MTEP18 1490	Big Pond SS, Retire Substation	2020	1	Retirement	Planned	A in MTEP18	13831	\$ 454,000.00
Lyndon Station SS, Replace Transformer and Substation Rebuild 2020 1 T-D Interconnection Planned A in MTEP18 14986 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	o	2020	1	T-D Interconnection	Planned	A in MTEP19	14906	\$202,000.00
Caroline SS, Transformer (131) 6RV Breaker and Relay Assel Renewals 2021 1 Condition and Performance Planned A in MTEP18 14986 \$ 4488,625.00 Harrison North SS, Breaker Addition 2021 1 Condition and Performance Planned A in MTEP18 13821 \$ 2,000,000.00 Saratoga - Coyne 115KV (T-72), Rebuild 2021 1 Condition and Performance Planned A in MTEP17 12178 \$ 6,600,000.00 Mintcomb SS, Transformer (T31) 66VX Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14987 \$ 5,469,503.00 JB21 Zonith SS Generator Interconnection Facilities and Network Upgrades 2021 1 G-Tinterconnection Planned A in MTEP18 15947 \$ 8,071,000.00 Baker SI S, Add new 115-KV bus and bus to breaker 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$ 130,000.00 Pinared SI S, Add new 115-KV bus and bus to breaker 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$ 130,000.00 Pinared SI S, CR, Nastidation Rebuild 2022	Homme SS, New DIC	2020	1	T-D Interconnection	Planned	A in MTEP18	13787	\$ 371,249.00
Harrison North SS, Breaker Addition 2021 1 Condition and Performance Planned A in MTEP18 13821 \$2,000,000.00 Harrison SS, Install 69kV Breakers 2021 1 Condition and Performance Planned A in MTEP17 12051 \$2,200,000.00 Wintcomb SS, Transformer (T31) 69kV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14987 \$5,469,000.00 Watpace Area Energy Storage Project 2021 1 Condition and Performance Planned A in MTEP18 14987 \$5,469,000.00 Barker St SS, Add new 115-kV bus and bus the breaker 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$130,000.00 Barramwood SS, DC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$130,000.00 Barramwood SS, DC, Transformer Replacement 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$130,000.00 Maupace ASS, DIC, New Substation 2022 1 T-D Interconnection	Lyndon Station SS, Replace Transformer and Substation Rebuild	2020	1	T-D Interconnection	Planned	A in MTEP18	14905	\$870,000.00
Harrison SS, Install 68/V Breakers 2021 1 Condition and Performance Planned Ain MTEP17 12051 S 2,700,000.00 Sarabga - Coyne 118/V (7-72), Rebuild 2021 1 Condition and Performance Planned Ain MTEP17 12051 S 2,700,000.00 Mithcom SS, Transformer (731) 69kV Breaker Asset Renewals 2021 1 Condition and Performance Planned Ain MTEP18 14397 S 5,469,503.00 J821 Zenth SS Generator Interconnection Facilities and Network Upgrades 2021 1 G-T Interconnection Planned Ain MTEP17 12115 S 5,800,000.00 Branswood SS, DIC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned Ain MTEP17 12115 S 5,800,000.00 Breaswood SS, DIC replace transformer end substation rebuild 2021 1 T-D Interconnection Planned Ain MTEP18 15192 S 130,000.00 Waupaca Area stask 2022 1 T-D Interconnection Planned Ain MTEP18 1502,000.00 5459,000.00.00 549,000.00.00	Caroline SS, Transformer (T31) 69kV Breaker and Relay Asset Renewals	2021	1	Condition and Performance	Planned	A in MTEP18	14986	\$ 4,488,625.00
Sarataga - Coyne 115kV (T-72), Rebuild 2021 1 Condition and Performance Planned A in MTEP17 12178 \$ 6,600,000.00 Whitcomb SS, Transformer (T31) 69kV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14987 \$ 5,469,003.00 Waupaca Area Energy Storage Project 2021 1 Operational Flexibility Planned A in MTEP20 1857 \$ 7,235,132.00 Waupaca Area Energy Storage Project 2021 1 Operational Flexibility Planned A in MTEP20 1857 \$ 8,070,000.00 Binamood SS, DIC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned A in MTEP20 185,000.00 Plansed A in MTEP17 12178 \$ 8,00,000.00 9 100,000.00 9 100,000.00 11 T-D Interconnection Planned A in MTEP20 180,000.00 16,000.00 16,000.00 16,000.00 16,000.00 16,000.00 16,000.00 16,000.00 16,000.00 16,000.00 16,000.00	Harrison North SS, Breaker Addition	2021	1	Condition and Performance	Planned	A in MTEP18	13821	\$2,000,000.00
Whitcomb SS, Transformer (T31) 69kV Breaker Asset Renewals 2021 1 Condition and Performance Planned A in MTEP18 14987 \$ 5,469,503.00 J821 Zenith SS Generator Inferconnection Facilities and Network Upgrades 2021 1 G-T Interconnection Planned A in MTEP20 18567 \$ 7,235,132.00 Baker SS, Add new 115-kV bus and bus the breaker 2021 1 T-D Interconnection Planned A in MTEP19 15128 \$ 8,07,000.00 Birnamwood SS, DIC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned A in MTEP18 115128 \$ 130,000.00 Piere SS, DIC, Transformer Replacement 2021 1 T-D Interconnection Planned A in MTEP20 14907 \$ 145,000.00 Watdard SS, DIC, transformer addition 2022 1 T-D Interconnection Planned A in MTEP20 14906 \$ 24350,000.00 Watdards SC, DIC, ker Substation 2022 1 T-D Interconnection Planned A in MTEP18 14966 \$ 24350,000.00 Watdarea C-Chaffee Creek 6KV (Y-49), Re	Harrison SS, Install 69kV Breakers	2021	1		Planned	A in MTEP17	12051	\$ 2,700,000.00
JB21 Zenith SS Generator Interconnection Facilities and Network Upgrades 2021 1 G-T Interconnection Planned A in MTEP20 18567 \$ 7,235,132.00 Waupaca Area Energy Storage Project 2021 1 Operational Flexibility Planned A in MTEP19 15947 \$ 8,071,000.00 Birnamwood SS, DIC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$ 30,000.00 Plensed, X, Kado nu V15-KV bus and bus tib breaker 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$ 130,000.00 Birnamwood SS, DIC replace transformer Replacement 2021 1 T-D Interconnection Planned A in MTEP18 14906 \$24,500,000.00 Muwater SS, DIC, New Substation 2022 1 T-D Interconnection Planned A in MTEP18 14906 \$391,500.00 Waupaca SS, DIC, New Substation 2022 1 T-D Interconnection Planned A in MTEP18 14906 \$391,500.00 Waupaca Chaffe Creek (SekV (Y-49), Rebuild 2023	0	2021	1	Condition and Performance	Planned	A in MTEP17	12178	\$ 6,600,000.00
Waupaca Area Energy Storage Project Dot Dot Baker SL SS, Add new 115-kV bus and bus its breaker 2021 1 Operational Flexibility Planned A in MTEP13 15947 \$ 8,071,000.00 Baker SL SS, Add new 115-kV bus and bus its breaker 2021 1 T-D Interconnection Planned A in MTEP13 15128 \$ 13,000.00 Birnamwood SS, DIC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned A in MTEP13 15128 \$ 13,000.00 Petenwell - Saratoga 138kV (X-43), Line Rebuild 2022 1 T-D Interconnection Planned A in MTEP18 11807 \$ 24,500,000.00 Waupaca SS, DIC, transformer Addition 2022 1 T-D Interconnection Planned A in MTEP18 14906 \$ 393,500.00 Waupaca SS, DIC, transformer Addition 2022 1 T-D Interconnection Planned A in MTEP18 14906 \$ 90,000.00 Waupaca Chaffee Creek & 68kV (Y-49), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 164,500,000.00 Winneconne SS, Relay and Breaker Rep	, , , , , , , , , , , , , , , , ,	2021	1	Condition and Performance	Planned	A in MTEP18	14987	\$ 5,469,503.00
Baker St SS, Add new 115-kV bus and bus lie breaker 2021 1 T-D Interconnection Planned A in MTEP17 12115 \$ 5,800,000.00 Birnamwood SS, DIC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned A in MTEP17 12115 \$ 5,800,000.00 Pine SS, DIC, Transformer Replacement 2021 1 T-D Interconnection Planned A in MTEP20 14907 \$ 5455,000.00 Mudwater SS, DIC, Transformer Addition 2022 1 T-D Interconnection Planned A in MTEP20 18017 \$ 24,500,000.00 Mudwater SS, DIC, Iwas former addition 2022 1 T-D Interconnection Planned A in MTEP20 18017 \$ 24,500,000.00 Chaffee Creek A: Lincoln Pump Station 69kV (Y-18), Rebuild 2022 1 T-D Interconnection Planned A in MTEP18 10486 \$ 9,600,000.00 Waunecons S, Relay and Breaker Replacement 2023 1 Condition and Performance Planned A in MTEP18 13243 \$ 2,150,000.00 J732 Superior SS Generator Interconnection Facilities and Network Upgrades 2023 1	10	2021	1	G-T Interconnection	Planned	A in MTEP20	18567	\$ 7,235,132.00
Binamwood SS, DIC replace transformer and substation rebuild 2021 1 T-D Interconnection Planned A in MTEP18 15128 \$ 130,000.00 Pine SS, DIC, Transformer Replacement 2021 1 T-D Interconnection Planned A in MTEP20 14907 \$165,000.00 Peterwell - Saratoga 138kV (X-43), Line Rebuild 2022 1 Reliability, Economic Planned A in MTEP20 1807.7 \$24,500,000.00 Mudwater SS, DIC, New Substation 2022 1 T-D Interconnection Planned A in MTEP18 14907 \$349,500.00 Wautoma - Chaffee Creek - Lincoln Pump Station 69kV (Y-49), Rebuild 2022 1 T-D Interconnection Planned A in MTEP18 10486 \$9,600,000.00 Wautoma - Chaffee Creek - Sincoln Pump Station 69kV (Y-49), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 10486 \$9,600,000.00 Wautoma - Chaffee Creek - Sincoln Pump Station 69kV (Y-49), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 1245.00,000.00 Jirramwood SS, DIC new substation 2023 1		2021	1	Operational Flexibility	Planned	A in MTEP19	15947	\$ 8,071,000.00
Pine SS, DIC, Transformer Replacement 2021 1 T-D Interconnection Planned A in MTEP20 14907 \$ 5165,000.00 Peterwell - Saratoga 138kV (X-43), Line Rebuild 2022 1 Reliability, Economic Planned A in MTEP20 18017 \$ 24,500,000.00 Mudwater SS, DIC, New Substation 2022 1 T-D Interconnection Planned A in MTEP20 18017 \$ 24,500,000.00 Wapaca SS, DIC, Itarsformer addition 2022 1 T-D Interconnection Planned A in MTEP18 14906 \$ 391,500.00 Wautoma - Chaffee Creek 69kV (Y-49), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 10486 \$ 9,600,000.00 Wautoma - Chaffee Creek 69kV (Y-49), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 10486 \$ 2,120,000.00 Vinneconne SS, Relay and Breaker Replacement 2023 1 Condition and Performance Planned A in MTEP18 13243 \$ 2,1245,605.00 Birnamwood SS, DIC new substation 2023 1 T-D Interconnection Planned <	, -	2021	1	T-D Interconnection	Planned	A in MTEP17	12115	\$ 5,800,000.00
Peterwell - Saratoga 138kV (X-43), Line Rebuild Dotation Planned Ain MTEP20 18017 \$ 24,500,000.00 Mudwater SS, DIC, New Substation 2022 1 T-D Interconnection Planned A in MTEP20 18017 \$ 24,500,000.00 Mudwater SS, DIC, transformer addition 2022 1 T-D Interconnection Planned A in MTEP20 18017 \$ 24,500,000.00 Waupaca SS, DIC, transformer addition 2022 1 T-D Interconnection Planned A in MTEP18 14906 \$ 5,900,000.00 Wautoma - Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 14306 \$ 9,600,000.00 Wautoma - Chaffee Creek 69kV (Y-49), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 13243 \$ 2,150,000.00 J732 Superior SS Generator Interconnection Facilities and Network Upgrades 2023 1 Condition and Performance Planned A in MTEP18 13243 \$ 2,150,000.00 Peterwell - Council Creek (X-40), OPGW Installation 2024 Condition and Performance Planned	Birnamwood SS, DIC replace transformer and substation rebuild	2021	1	T-D Interconnection	Planned	A in MTEP18	15128	\$ 130,000.00
Mudwater SS, DIC, New Substation 2022 1 T-D Interconnection Planned A in MTEP18 14906 \$391,500.00 Waupca SS, DIC, Itansformer addition 2022 1 T-D Interconnection Planned A in MTEP20 18053 \$ 6,900,000.00 Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 10486 \$ 9,600,000.00 Wautoma - Chaffee Creek 69kV (Y-18), Rebuild 2023 1 Condition and Performance Planned A in MTEP18 13243 \$ 2,150,000.00 Winneconne SS, Relay and Breaker Replacement 2023 1 Condition and Performance Planned A in MTEP18 13243 \$ 2,150,000.00 J732 Superior SS Generator Interconnection Facilities and Network Upgrades 2023 1 G-T Interconnection Planned A in MTEP18 15128 \$ 4,500,000.00 Birnamwood SS, DIC new substation 2024 1 Condition and Performance Planned A in MTEP18 15128 \$ 9,000,000.00 Neternae Creek (X-40), OPGW Installation 2024 1 Condition and P	Pine SS, DIC, Transformer Replacement	2021	1	T-D Interconnection	Planned	A in MTEP20	14907	\$165,000.00
Waupaca SS, DIC, transformer addition20221T-D InterconnectionPlannedA in MTEP2018053\$6,900,000.00Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild20231Condition and PerformancePlannedA in MTEP1810486\$9,600,000.00Wautoma - Chaffee Creek 69kV (Y-49), Rebuild20231Condition and PerformancePlannedA in MTEP1810486\$9,600,000.00Winnecome SS, Relay and Breaker Replacement20231Condition and PerformancePlannedA in MTEP1813243\$2,150,000.00J732 Superior SS Generator Interconnection Facilities and Network Upgrades20231G-T InterconnectionPlannedA in MTEP1815128\$4,500,000.00Birnamwood SS, DIC new substation20231T-D InterconnectionPlannedA in MTEP1815128\$4,500,000.00Lincoln Pump Station - McKenna 69kV (Y-415), Rebuild20231T-D InterconnectionPlannedA in MTEP1815128\$4,500,000.00Lincoln Pump Station - McKenna 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187765\$9,000,000.00Weston - Sherman Street, 115kV line (Z-52), uprate20231Condition and PerformancePlannedA in MTEP187765\$9,000,000.00Maiten - Hilltop 115kV line (U-11), uprate20231Condition and PerformancePlannedA in MTEP187765\$9,000,000.00Saratoga SS -	Petenwell - Saratoga 138kV (X-43), Line Rebuild	2022	1	Reliability, Economic	Planned	A in MTEP20	18017	\$ 24,500,000.00
Chaffee Creek - Lincoln Pump Station 69kV (Y-18), RebuildDotaCondition and PerformancePlannedA in MTEP1810486\$ 9,600,000.00Wautoma - Chaffee Creek 69kV (Y-49), Rebuild20231Condition and PerformancePlannedA in MTEP1810486\$ 9,600,000.00Wautoma - Chaffee Creek 69kV (Y-49), Rebuild20231Condition and PerformancePlannedA in MTEP1813243\$ 2,150,000.00Winnecome SS, Relay and Breaker Replacement20231Gondition and PerformancePlannedA in MTEP1813243\$ 2,150,000.00J732 Superior SS Generator Interconnection Facilities and Network Upgrades20231G-T InterconnectionPlannedA in MTEP1813243\$ 2,150,000.00Birnamwood SS, DIC new substation20231G-T InterconnectionPlannedA in MTEP1815128\$ 4,500,000.00Peterwell - Council Creek (X-40), OPGW Installation20241CommunicationPlannedA in MTEP1815128\$ 9,000,000.00Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$ 9,000,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20231Condition and PerformancePlannedA in MTEP187763\$ 10,740,000.00McKenna - Satel Rock 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$ 10,740,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20231ReliabilityProposed </td <td>Mudwater SS, DIC, New Substation</td> <td>2022</td> <td>1</td> <td>T-D Interconnection</td> <td>Planned</td> <td>A in MTEP18</td> <td>14906</td> <td>\$391,500.00</td>	Mudwater SS, DIC, New Substation	2022	1	T-D Interconnection	Planned	A in MTEP18	14906	\$391,500.00
Wautoma - Chaffee Creek 69kV (Y-49), Rebuild20231Condition and PerformancePlannedA in MTEP187764\$14,500,000.00Winneconne SS, Relay and Breaker Replacement20231Condition and PerformancePlannedA in MTEP1813243\$2,150,000.00J732 Superior SS Generator Interconnection Facilities and Network Upgrades20231G-T InterconnectionPlannedA in MTEP1813243\$2,150,000.00Birnamwood SS, DIC new substation20231T-D InterconnectionPlannedA in MTEP1815128\$4,500,000.00Peterwell - Council Creek (X-40), OPGW Installation20241CommunicationPlannedA in MTEP1815128\$4,500,000.00Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$9,000,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$9,000,000.00Weston - Sherman Street, 115kV line (Z-52), uprate20231ReliabilityProposedA in MTEP2014909\$997,000.00Saratoga SS - Control House and Breaker Asset Renewal20241Condition and PerformanceProposedA in MTEP2014909\$\$35,00,000.00Venus SS, new inductor bank20241Condition and PerformanceProposedA in MTEP2014909\$\$35,00,000.00 <tr< tr="">Venus SS, n</tr<>	Waupaca SS, DIC, transformer addition	2022	1	T-D Interconnection	Planned	A in MTEP20	18053	\$ 6,900,000.00
Winneconne SS, Relay and Breaker Replacement20231Condition and PerformancePlannedA in MTEP1813243\$ 2,150,000.00J732 Superior SS Generator Interconnection Facilities and Network Upgrades20231G-T InterconnectionPlannedA in MTEP1813243\$ 2,150,000.00J732 Superior SS Generator Interconnection Facilities and Network Upgrades20231G-T InterconnectionPlannedA in MTEP1815128\$ 2,150,000.00Birnamwood SS, DIC new substation20231T-D InterconnectionPlannedA in MTEP1815128\$ 4,500,000.00Peterwell - Council Creek (X-40), OPGW Installation20241CommunicationPlannedA in MTEP1815128\$ 9,000,000.00Lincoln Pump Station - MCKenna 69kV (Y-145), Rebuild20251Condition and PerformancePlannedA in MTEP187765\$ 9,000,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$ 10,740,000.00Weston - Sherman Street, 115kV line (Z-52), uprate20231ReliabilityProposedA in MTEP2014909\$ 997,000.00Saratoga SS - Control House and Breaker Asset Renewal20241Condition and PerformanceProposedA in MTEP2014909\$ 835,000.00Venus SS, new inductor bank20241Condition and PerformanceProposedA in MTEP2014909\$ 835,000.00Venus SS, new inductor bank20241Condition and PerformancePropo	Chaffee Creek - Lincoln Pump Station 69kV (Y-18), Rebuild	2023	1	Condition and Performance	Planned	A in MTEP18	10486	\$ 9,600,000.00
J732 Superior SS Generator Interconnection Facilities and Network Upgrades20231G-T InterconnectionPlannedA in MTEP2019729\$ 21,245,605.00Birnamwood SS, DIC new substation20231T-D InterconnectionPlannedA in MTEP1815128\$ 4,500,000.00Petenwell - Council Creek (X-40), OPGW Installation20241CommunicationPlannedA in MTEP1819587\$ 9,000,000.00Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild20251Condition and PerformancePlannedA in MTEP187765\$ 9,000,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$ 10,740,000.00Weston - Sherman Street, 115kV line (Z-52), uprate20231ReliabilityProposedA in MTEP2014909\$ 997,000.00Maine - Hilltop 115kV line (U-11), uprate20241Condition and PerformancePlannedA in MTEP2014909\$ 997,000.00Saratoga SS - Control House and Breaker Asset Renewal20241Condition and PerformanceProposedA in MTEP2014909\$ 835,000.00Venus SS, new inductor bank20241Condition and PerformanceProposedB in MTEP2014909\$ 6,319,095.00Venus SS, new inductor bank20241Condition and PerformanceProposedB in MTEP2014909\$ 6,319,095.00Venus SS, new inductor bank20241ReliabilityProvisionalB in MTEP1915945\$ 1,800	Wautoma - Chaffee Creek 69kV (Y-49), Rebuild	2023	1	Condition and Performance	Planned	A in MTEP18	7764	\$ 14,500,000.00
Birnamwood SS, DIC new substationPlanA in MTEP18151284,500,000.00Peterwell - Council Creek (X-40), OPGW Installation20241CommunicationPlannedA in MTEP1815128\$ 4,500,000.00Lincoln Pump Station - McKenna 69KV (Y-145), Rebuild20251Condition and PerformancePlannedA in MTEP187765\$ 9,000,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$ 10,740,000.00Weston - Sherman Street, 115kV line (Z-52), uprate20231ReliabilityProposedA in MTEP2014909\$ 997,000.00Maine - Hilltop 115kV line (U-11), uprate20241Condition and PerformanceProposedA in MTEP2014909\$ 997,000.00Venus SS, new inductor bank20241Condition and PerformanceProposedA in MTEP1915955\$ 1,800,000.00Venus SS, new inductor bank20241Condition and PerformanceProposedB in MTEP1919525\$ 1,800,000.00Venus SS, new inductor bank20241ReliabilityProposedB in MTEP1919525\$ 1,800,000.00	Winneconne SS, Relay and Breaker Replacement	2023	1	Condition and Performance	Planned	A in MTEP18	13243	\$ 2,150,000.00
Peterwell - Council Creek (X-40), OPGW Installation20241CommunicationPlannedA in MTEP2119587\$9,000,000.00Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild20251Condition and PerformancePlannedA in MTEP187765\$9,000,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$10,740,000.00Weston - Sherman Street, 115kV line (Z-52), uprate20231ReliabilityProposedA in MTEP2014909\$997,000.00Maine - Hilltop 115kV line (U-11), uprate20231ReliabilityProposedA in MTEP2014909\$835,000.00Saratoga SS - Control House and Breaker Asset Renewal20241Condition and PerformanceProposedB in MTEP1119525\$6,319,095.00Venus SS, new inductor bank20241ReliabilityProvisionalB in MTEP1915945\$1,800,000.00	J732 Superior SS Generator Interconnection Facilities and Network Upgrades	2023	1	G-T Interconnection	Planned	A in MTEP20	19729	\$ 21,245,605.00
Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild20251Condition and PerformancePlannedA in MTEP187765\$9,000,000.00McKenna - Castle Rock 69kV (Y-47), Rebuild20251Condition and PerformancePlannedA in MTEP187763\$10,740,000.00Weston - Sherman Street, 115kV line (Z-52), uprate20231ReliabilityProposedA in MTEP2014909\$997,000.00Maine - Hilltop 115kV line (U-11), uprate20231ReliabilityProposedA in MTEP2014909\$835,000.00Saratoga SS - Control House and Breaker Asset Renewal20241Condition and PerformanceProposedB in MTEP2119525\$6,319,095.00Venus SS, new inductor bank20241ReliabilityProvisionalB in MTEP1915945\$1,800,000.00	Birnamwood SS, DIC new substation	2023	1	T-D Interconnection	Planned	A in MTEP18	15128	\$ 4,500,000.00
McKenna - Castle Rock 69kV (Y-47), Rebuild 2025 1 Condition and Performance Planned A in MTEP18 7763 \$ 10,740,000.00 Weston - Sherman Street, 115kV line (Z-52), uprate 2023 1 Reliability Proposed A in MTEP18 7763 \$ 977,000.00 Maine - Hilltop 115kV line (U-11), uprate 2023 1 Reliability Proposed A in MTEP20 14909 \$ 835,000.00 Saratoga SS - Control House and Breaker Asset Renewal 2024 1 Condition and Performance Proposed B in MTEP21 19525 \$ 6,319,095.00 Venus SS, new inductor bank 2024 1 Reliability Provisional B in MTEP19 15945 \$ 1,800,000.00	Petenwell - Council Creek (X-40), OPGW Installation	2024	1	Communication	Planned	A in MTEP21	19587	\$ 9,000,000.00
Weston - Sherman Street, 115kV line (Z-52), uprate 2023 1 Reliability Proposed A in MTEP20 14909 \$ 997,000.00 Maine - Hilltop 115kV line (U-11), uprate 2023 1 Reliability Proposed A in MTEP20 14909 \$ 835,000.00 Saratoga SS - Control House and Breaker Asset Renewal 2024 1 Condition and Performance Proposed B in MTEP21 19525 \$6,319,095.00 Venus SS, new inductor bank 2024 1 Reliability Provisional B in MTEP19 15945 \$ 1,800,000.00	Lincoln Pump Station - McKenna 69kV (Y-145), Rebuild	2025	1	Condition and Performance	Planned	A in MTEP18	7765	\$ 9,000,000.00
Maine - Hilltop 115kV line (U-11), uprate 2023 1 Reliability Proposed A in MTEP20 14909 \$ 835,000.00 Saratoga SS - Control House and Breaker Asset Renewal 2024 1 Condition and Performance Proposed B in MTEP21 19525 \$6,319,095.00 Venus SS, new inductor bank 2024 1 Reliability Provisional B in MTEP19 15945 \$ 1,800,000.00	McKenna - Castle Rock 69kV (Y-47), Rebuild	2025	1	Condition and Performance	Planned	A in MTEP18	7763	\$ 10,740,000.00
Saratoga SS - Control House and Breaker Asset Renewal 2024 1 Condition and Performance Proposed B in MTEP21 1952 \$6,319,095.00 Venus SS, new inductor bank 2024 1 Reliability Provisional B in MTEP19 15945 \$ 1,800,000.00	Weston - Sherman Street, 115kV line (Z-52), uprate	2023	1	Reliability	Proposed	A in MTEP20	14909	\$ 997,000.00
Saratoga SS - Control House and Breaker Asset Renewal 2024 1 Condition and Performance Proposed B in MTEP21 1952s \$6,319,095.00 Venus SS, new inductor bank 2024 1 Reliability Provisional B in MTEP19 1594s \$ 1,800,000.00	Maine - Hilltop 115kV line (U-11), uprate	2023	1	Reliability	Proposed	A in MTEP20	14909	\$ 835,000.00
Venus SS, new inductor bank 2024 1 Reliability Provisional B in MTEP19 15945 \$ 1,800,000.00	Saratoga SS - Control House and Breaker Asset Renewal	2024	1	Condition and Performance		B in MTEP21	19525	
	Venus SS, new inductor bank		1					\$

COMMONLY USED DEFINITIONS	
DIC - Distribution Interconnection	GIC - Generator Interconnection
GIA - Generator Interconnection Agreement	MPFCA - Multi-Party Facility Agreement
MISO MTEP Appendix - Indicates MTEP Cycle	Cycles MTEP19 and prior are Certified in MISOs'
Regional Plan for A projects (BOLDED), MTEP20) and future cycles are not yet certified at the time of

publication (9/2020).

American Transmission Companny