

ATC 2019 10-Year Assessment Network Project List

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1	System Addition	2019 TYA Network Need Year	2019 TYA In-Service Year	Planning Zone	Need Category	Planned, Proposed or Provisional	MISO MTEP Appendix Status	MTEP PRJID	PRF	MTEP Cost or Cost Range	Reason for Change since Previous TYA (Gray items only)
2	Hancock SS - DIC, Replace Transformers	2019***	2019	1	T-D Interconnection	Proposed	A	13774	5842	4.7	
3	Stratford SS, DIC, add 2nd transformer and substation rebuild	2019***	2019	1	T-D Interconnection	Proposed	A	15044	8039	3.7	
4	Baker St Substation: Add new 115-kV bus and bus tie breaker	2020***	2020	1	T-D Interconnection	Proposed	A	12115	7520	4.4	
5	Big Pond SS, Retire Substation	2020***	2020	1	no Need	Planned	A	13831	7800	0.5	
6	Venus SS, Capacitor Bank Retirement	2020***	2020	1	no Need	Proposed	A	14806	7942	0.1	
7	Waupaca Area Energy Storage Project	2020***	2020	1	operating flexibility, reliability (prior + P1.2)	Provisional	target A 19	15947	8149	<10	
8	Birnamwood SS, DIC, replace transformer and substation rebuild	2021***	2021	1	T-D Interconnection	Proposed	A	15128		4.5	
9	Venus SS, new inductor bank	2022***	2023	1	P0	Provisional	target B 19	15945	7832	<10	was 2022
10	Pershing Substation: Loop Stone Lake - Gardner Park 345-kV line into new Pershing 345/115-kV Substation	2019***	2026	1	T-T interconnection	Provisional	B	9925	--	10-25	was 2018
11	M-38 SS and Silver River SS, New 138 kV Inductor Banks	2019***	2019	2	P0	Planned	A	14185	7831	4.1	
12	Iron Grove: 138 kV, 15 MVAR Inductor Bank	2019***	2019	2	P0	Planned	A	14186	7830	1.9	
13	Winona Substation: 138 kV, 8 MVAR Inductor Bank	2019***	2019	2	P0	Planned	A	14805	7999	1.9	
14	Central UP, new DIC	2019***	2019	2	T-D Interconnection	Proposed	A	15133	7793	6.2	
15	J928 Indian Lake Common Use Upgrades	2019***	2019	2	G-T Interconnection		A	17064		0.2	
16	J928 - Garden Corner SS GIC Network Upgrades	2019***	2019	2	G-T Interconnection	Proposed	A	16494	8299	0.3	
17	Atlantic SS, 138/69 kV Bus Reconfiguration and Transformer Addition	2020	2022	2	operating flexibility, reliability (69P5)	Proposed	target A 19	7586	5856	6.6	was 2020
18	Presque Isle - Tilden 138kV, loop and uprate	2020	2022	2	reliability (prior + P1.2)	Proposed	target A 19	15345	5848	13.1	was 2021
19	Rebuild Winona-Atlantic (69kV line)	2022	2022	2	reliability (P6)	Provisional	B	4727	5344	>25	
20	Marquette County, new DIC	2020***	2022	2	T-D Interconnection	Proposed	B	15125		10-25	was 2020
21	Eastern UP, new DIC	2021***	2022	2	T-D Interconnection	Proposed	A	15130	7436	12.6	was 2021
22	Arnold Substation: 345 kV, 80 MVAR Inductor Bank	2022***	2022	2	P0	Provisional	B	14187	7829	<10	
23	NLKG31 Tap-Greystone 138 kV, construct new transmission line	2022***	2022	2	Condition and T-D Interconnection	Proposed	target A 19	15933	8145	5.2	
24	Keel Ridge SS, New DIC	2025***	2024	2	T-D Interconnection	Proposed	A	13792	4698	2.6	was 2025
25	Huiskamp - Waunakee 69 kV (Y-132), Switch Replacement	2019***	2019	3	reliability (P6)	Planned	A	13824	8108	0.2	
26	Marsh View, new DIC	2019***	2019	3	T-D Interconnection	Proposed	A	14904	8042	0.3	
27	J584 GIC Jordan SS, Generator Interconnection Facilities and Network Upgrades Information	2021***	2019	3	G-T Interconnection	Proposed	A	16493		6.2	
28	Koshkonong, new DIC	2019***	2020	3	T-D Interconnection	Proposed	A	14905	8093	1.0	
29	Nine Spring - Pflaum 69 kV (6947), uprate	2020***	2020	3	reliability (P6)	Proposed	A	13825	8172	0.02	
30	Dam Heights SS, DIC, add a new radial line	2020***	2020	3	T-D Interconnection	Proposed	A	15045	8025	3.3	
31	Muscoda SS, DIC, add 2nd transformer and substation rebuild	2020***	2020	3	T-D Interconnection	Proposed	A	15124	8193	3.3	
32	Milton Lawns SS, DIC, add 2nd transformer and line breakers	2020***	2020	3	T-D Interconnection	Proposed	A	15131	8126	3.0	
33	Portage-Trienda 138-kV uprate X-67	2022**	2020	3	reliability (69P1.2)	Planned	A	1624	5259	2.0	
34	Northern Lights Substation, new T-D interconnection	2020***	2021	3	T-D Interconnection	Proposed	A	12346	7649	26.0	was 2020

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35	Portage Industrial Park SS, DIC, replace transformers and substation rebuild	2021***	2021	3	T-D Interconnection	Proposed	A	15127	8151	3.0	
36	Green County, new DIC	2021***	2021	3	T-D Interconnection	Proposed	A	15129		4.5	
37	West Middleton - Stagecoach 69 kV line rebuild 6927	2023**	2023	3	reliability (P1.2, P1.3)	Provisional	target A 20	12175	7213	<10	
38	Cardinal - Hickory Creek 345-kV line construction	2023***	2023	3	reliability, economics, and policy benefits	Proposed	A	3127	4030	492.2	
39	Portage - Columbia 138-kV line rebuild X-20	2024	2024	3	reliability (P1.2)	Provisional	target B 19	4730	5266	<10	was 2018
40	Portage - Columbia 138-kV line rebuild X-13	2024	2024	3	reliability (P1.2)	Provisional	target B 19	4730	5265	<10	was 2018
41	Gran Grae Substation: Install a second 161/69 kV transformer	>2029	2026	3	reliability (69P1.3)	Provisional	B	--	7483	<10	
42	Construct Cardinal-Blount 138-kV line	>2034	2031	3	reliability (P6)	Provisional	--	1730	3965	>25	was 2029
43	Lost Dauphin - Red Maple 138 kV line uprate Q-147	2019*	2019	4	reliability (various TPL categories)	Planned	A	9930	7296	0.18	
44	Ellinwood 138-kV Bus Rerate	2019*	2019	4	reliability (P6)	Proposed	A	12103	7516	2.4	
45	Plymouth 4 Substation, breaker installation	2019***	2019	4	T-D Interconnection	Proposed	A	13065	7674	2.8	
46	Elkhart Lake SS, 138 kV – Relieve Market Congestion	2018	2020	4	Economics	Proposed	A	16164	8148	1.3	
47	Edgewater - Erdman 69 kV line Y-31 rerate	2020	2020	4	reliability (prior + P1.2)	Proposed	A	13824	7841	<10	
48	Pulliam 138-kV Substation: Install redundant bus differential	2019***	2020	4	reliability (stability P5.5)	Planned	A	13727	7475	1.9	was 2019
49	Forest Junction 138kV Substation: Install 25 Mvar inductor	2020*	2020	4	system intact (P0)	Planned	A	7581	6425	1.8	
50	Packaging Substation, new DIC	2020***	2020	4	T-D Interconnection	Proposed	A	15132	8136	6.5	
51	Bayport area - Pioneer, rebuild as double-circuit 138 kV	2021	2021	4	Asset renewal, T-D Interconnection	Proposed	A	14706	7854	51.7	
52	30th Avenue SS, DIC, replace transformer	2021***	2021	4	T-D Interconnection	Proposed	A	14905	8157	2.2	
53	J505 GIC, Apollo SS, Generator Interconnection and Network Facilities	2021***	2021	4	G-T Interconnection	Proposed	A	14925	7995	8.3	
54	Ogden St. Networking Project: Ogden St. - Bayshore 69-kV line construction	2021***	2021	4	T-D interconnection	Proposed	A	4732	6105	10.4	was 2021
55	Pioneer - Crivitz (E-83/B-2), retire 69 kV and reconfigure load to 138 kV	2022	2022	4	Asset renewal, T-D Interconnection	Proposed	A	14926	8029	20.4	
56	Riverside SS, 69 kV Bus Uprate	2022***	2022	4	reliability (prior plus P1)	Proposed	A	13832	7779	0.08	
57	Eaton Substation, new T-D interconnection	2022***	2022	4	T-D Interconnection	Proposed	A	10484	7373	2.5	
58	Bayridge Substation, new T-D interconnection	2024***	2022	4	T-D Interconnection	Proposed	A	10485	7372	2.0	was 2024
59	Edgewater SS, DIC, replace transformer and substation rebuild	2023***	2023	4	T-D Interconnection	Proposed	A	15126	8262	3.0	
60	Lincoln SS, 138 kV Bus Reconfiguration	2019***	2019	5	reliability (prior + P1.2)	Proposed	A	13738	8020	4.1	
61	Mount Pleasant Tech Interconnection Project	2019***	2019	5	T-D Interconnection	Proposed	A	14073	7814	117.0	
62	Construct Arcadian 138KV D-T	2019***	2020	5	T-D Interconnection	Proposed	A	13067	7648	0.3	Was 2019
63	State Line SS, new DIC	2019***	2020	5	T-D Interconnection	Proposed	A	14604	7959	8.2	Was 2019
64	Juneautown Substation, new T-D interconnection	2020***	2020	5	T-D Interconnection	Proposed	A	13104	7720	34.6	
65	Port Washington - Saukville: Rebuild Line 762 to a double circuit	2021	2021	5	reliability (P2.4, P7.1)	Planned	A	9986	7410	16.0	
66	Arcadian Substation: install redundant bus differentials on 345-kV and 138-kV buses	2023	2023	5	reliability (stability E2.D)	Provisional	--	--	7090	<10	

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67	Granville Substation: install redundant bus differentials on 345-kV and 138-kV buses	2023	2024	5	reliability (stability E2.D)	Provisional	--	--	7091	<10	was 2023
68	Bain - Spring Valley 138-kV uprate 63141	2019	2019	3 & 5	T-D Interconnection, reliability (69P1.2)	Proposed	A	3808	4505	Cost included in row 71	
69	Construct a new 138/69-kV substation on Spring Valley - North Lake Geneva 138-kV circuit	2019	2019	3 & 5	T-D Interconnection, reliability (69P1.2)	Proposed	A	3808	4505	Cost included in row 71	
70	Construct a new 69-kV circuit from Twin Lakes to the new substation	2019	2019	3 & 5	T-D Interconnection, reliability (69P1.2)	Proposed	A	3808	4505	Cost included in row 71	
71	Construct a new Spring Valley-North Lake Geneva 138-kV circuit	2019	2019	3 & 5	T-D Interconnection, reliability (69P1.2)	Proposed	A	3808	4505	70.5	
72	Twin Lakes - Katzenberg 69-kV rebuild Y-102	2019	2019	3 & 5	T-D Interconnection, reliability (69P1.2)	Proposed	A	3808	4505	Cost included in row 71	
73	Distribution Interconnection 2019	2019***	2019	Various	T-D Interconnection		A	14905		10.5	
74	Distribution Interconnection 2020	2020***	2020	Various	T-D Interconnection		target A 19	14906		20.0	
75	Distribution Interconnection 2021	2021***	2021	Various	T-D Interconnection		target A 20	14907		<10	
76	Distribution Interconnection 2022	2022***	2022	Various	T-D Interconnection		target B 19	14968		>25	
77	Distribution Interconnection 2023	2023***	2023	Various	T-D Interconnection		target B 19	16770			
78											
79	Legend										
80	* = dates based on approved project scope ISDs										
81	** = SBRM Study Need Year										
82	*** = Other Major Project Study need year										
83											
84	No Shading = No change to project since previous Assessment										
85	Orange Shading = new project, was not in previous Assessment project list										
86	Gray Shading = some change (e.g. In-service year or scope) since previous Assessment										