

	A	B	C	D	E	F	G	H	I	J
1	System Addition	2017 TYA Network Need Year	2017 TYA In-Service Year	Planning Zone	Need Category	Planned, Proposed or Provisional	MISO MTEP Appendix Status	MTEP PRJiD	MTEP Cost or Cost Range (M\$)	Reason for Change since Previous TYA (Gray items only)
2	Fox River DIC Retirement	2017***	2017	1	T-D Interconnection	Proposed	A 17	13524	0.69	
3	Liberty Street SS, DIC - Replace Transformer	2017***	2017	4	T-D Interconnection	Proposed	target A 18	13713	0.03	
4	Westfield SS, DIC - Add 2nd Transformer	2017***	2017	1	T-D Interconnection	Proposed	target A 18	13715	0.43	
5	Hooterville SS, DIC - Replace Transformer	2017***	2017	3	T-D Interconnection	Proposed	target A 18	13718	0.34	
6	Cooney SS, DIC - Replace High Side Circuit Switcher	2017***	2017	5	T-D Interconnection	Proposed	target A 18	13719	0.04	
7	Perch Lake SS, DIC - Upgrade High Side Circuit Breaker	2017***	2017	2	T-D Interconnection	Proposed	target A 18	13723	0.09	
8	Walworth SS, DIC - Replace Transformers	2017***	2017	3	T-D Interconnection	Proposed	target A 18	13724	0.03	
9	Three Lakes SS, DIC - Add 2nd Transformer	2017***	2017	1	T-D Interconnection	Proposed	target A 18	13725	0.60	
10	Juneau Northside SS, DIC - Replace Transformer	2017***	2017	3	T-D Interconnection	Proposed	target A 18	13731	0.14	
11	Berryville SS, DIC - Add 2nd Transformer	2017***	2017	5	T-D Interconnection	Proposed	target A 18	13734	0.53	
12	Hillman SS, DIC - Add Transformer	2017***	2017	3	T-D Interconnection	Proposed	target A 18	13736	2.32	
13	Darlington SS, DIC - Replace Transformer and Construct New Control House	2017***	2017	3	T-D Interconnection	Proposed	target A 18	13740	1.88	
14	Enzyme Bio SS, DIC - Add 2nd Transformer	2017***	2017	3	T-D Interconnection	Proposed	target A 18	13754	0.99	
15	Mill Bluff SS, DIC - DPC New Substation	2017***	2017	1	T-D Interconnection	Proposed	target A 18	13757	1.72	
16	Richland Center SS, DIC - Add Transformer	2017***	2017	3	T-D Interconnection	Proposed	target A 18	13786	0.20	
17	Install Sagola 69KV Tap	2018***	2018	2	T-D Interconnection	Proposed	A 17	12180	0.40	
18	Construct Edgerton T-D 138 KV	2018***	2018	3	T-D Interconnection	Proposed	A 17	13066	1.70	
19	Velp SS, DIC - Replace Transformer	2018***	2018	4	T-D Interconnection	Proposed	target A 18	13720	0.23	
20	Sherman Street SS, DIC - Replace High Side Circuit Switcher	2018***	2018	1	T-D Interconnection	Proposed	target A 18	13721	0.07	
21	Eastom SS, Relay and Circuit Switcher Replacement	2018***	2018	1	T-D Interconnection	Proposed	target A 18	13722	1.03	
22	Baraboo SS, Bus Uprate and RTU Replacement	2018***	2018	3	T-D Interconnection	Proposed	target A 18	13766	1.8	
23	Wittenberg SS, DIC - Replace Transformer	2018***	2018	1	T-D Interconnection	Proposed	target A 18	13787	0.12	
24	Oak St SS, DIC - Replace Transformer	2018***	2018	4	T-D Interconnection	Proposed	target A 18	13790	0.88	
25	State Line SS, new DIC	2019***	2019	5	T-D Interconnection	Proposed	target A 18	14604	8.2	
26	Construct Arcadian 138KV D-T	2019***	2019	5	T-D Interconnection	Proposed	A 17	13067	0.26	
27	Arnold Substation: 345 kV, 80 MVAR Inductor Bank	2019***	2019	2	P0	Proposed	target B 18	14187	5.00	
28	Hancock SS - DIC, Replace Transformers	2019***	2019	1	T-D Interconnection	Proposed	target A 18	13774	4.72	
29	Plover SS, DIC - Replace Transformers	2019***	2019	1	T-D Interconnection	Proposed	target A 18	13726	1.77	
30	Cranberry Substation 115 kV, 10.4 MVAR Inductor Bank	2019***	2019	2	P0	Proposed	target B 18	14184	2.00	
31	M-38 Station: 138 kV, 15 MVAR Inductor Bank	2019***	2019	2	P0	Proposed	target B 18	14185	2.00	
32	Iron Grove: 138 kV, 15 MVAR Inductor Bank	2019***	2019	2	P0	Proposed	target B 18	14186	2.00	
33	Big Pond Substation, Retirement	2020***	2020	1	G-T Interconnection	Proposed	target B 18	13831	0.45	
34	S Lake Geneva SS T-D Tformer Add	2020***	2020	3	T-D Interconnection	Proposed	target B 18	13716	0.30	
35	Dartford SS Alliant T-D	2021***	2021	4	T-D Interconnection	Proposed	target B 18	13785	0.05	
36	Hawk SS AE DIC New 138kV Bus	2021***	2021	3	T-D Interconnection	Proposed	target B 18	13741	0.88	
37	Schofield SS AE DIC	2021***	2021	3	T-D Interconnection	Proposed	target B 18	13745	0.38	
38	Kincheloe SS DIC	2021***	2021	2	T-D Interconnection	Proposed	target B 18	13767	0.36	
39	Riverside SS, 69 kV Bus Uprate	2022***	2022	4	reliability (prior plus P1)	Proposed	target A 18	13832	0.08	
40	Keel Ridge D-T New SS	2025***	2025	2	T-D Interconnection	Proposed	target B 18	13792	2.60	
41	Somers Substation: loop Racine - Kenosha 138-kV line 1651 in and out	2018***	2018	5	T-D Interconnection	Proposed	A	8660	8.00	Update Cost
42	Okray Substation, breaker installation	2018***	2018	1	T-D Interconnection	Proposed	A 17	13525	2.40	Add MTEP PRJiD and Cost
43	Plains - Arnold 138-kV uprate	2019***	2019	2	NITS Request	Proposed	A 17	13572	9.40	Add MTEP PRJiD and Cost
44	Pulliam 138-kV Substation: Install redundant bus differential	2019***	2019	4	reliability (stability P5.5)	Proposed	target A 18	13727	1.87	Add MTEP PRJiD and Cost
45	Walker Tap Underground Cable Removal	2019***	2019	5	no T-D Need	Proposed	target A 18	14039	0.70	Add MTEP PRJiD and Cost
46	Mount Pleasant Tech Interconnection Project	2020***	2020	5	T-D Interconnection	Proposed	target A 18	14073	140.00	was named SE WI Economic Development Interconnection Project; Add MTEP PRJiD and Cost
47	Saukville Substation: Install parallel breaker on line 8222	2020	2020	5	reliability (P2.1)	Provisional	--	--	<10	
48	Plains - National 138-kV project	2020***	2023***	2	reliability (various TPL categories)	Provisional	B	8071	124.6	

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49	Plains 345/138-kV project (2-500 MVA replace existing)	2020***	2023***	2	reliability (various TPL categories)	Provisional	B	8073	43.7	
50	Morgan - Plains 345-kV loop into new Thunder 345-kV substation.	2020***	2023***	4	reliability (various TPL categories)	Provisional	B	8076	105	
51	Morgan - Thunder 138-kV project	2020***	2023***	4	reliability (various TPL categories)	Provisional	B	8076	105	
52	Thunder Substation: install 345/138-kV and 138/69-kV transformers, convert 1 ckt of Thunder to Crivitz to 138-kV	2020***	2023***	4	reliability (various TPL categories)	Provisional	B	8076	105	
53										
54	Legend									
55	* = dates based on approved project scope ISDs									
56	** = SBRM Study Need Year									
57	*** = Other Major Project Study need year									
58										
59	No Shading = No change to project since previous Assessment									
60	Orange Shading = new project, was not in previous Assessment project list									
61	Gray Shading = some change (e.g. In-service year or scope) since previous Assessment									
62	Red Shading = Cancelled Project since previous Assessment									