

ATC 2010 10-Year Assessment
Summary of Network Capital Expenditures (2010-2019)
10-Year Assessment Project Detail

FP	10-Year Assessment Network Project Description	Sum of Previous Expenditures as of 12/31/2009	Sum of Future Expenditures 2010-2019	Total Capital Expenditures 2001-2019
F0181	Construct a second Dunn Road-Egg Harbor 69-kV line	\$0	\$6,097,935	\$6,097,935
F0339	Install a second 138/69-kV transformer at Hillman	\$0	\$4,817,493	\$4,817,493
F1282	Pine River capacitor banks and bus reconfiguration	\$8,601,402	\$125,931	\$8,727,332
F1358	Construct 138-kV line from Canal to Dunn Road	\$263,744	\$21,792,179	\$22,055,923
F1361	Rebuild 2.37 miles of 69 kV from Sunset Point to Pearl Ave with 477 ACSR	\$675,592	\$2,575,204	\$3,250,796
F1407	Construct Oak Ridge-Verona 138-kV line	\$13,828,799	\$3,362,054	\$17,190,853
F1435	Construct 345-kV line from Rockdale to West Middleton	\$1,673,870	\$178,051,227	\$179,725,097
F1444	Uprate Y-40 Gran Grae-Boscobel 69-kV line to achieve a 99 MVA summer emergency rating	\$832,460	\$4,960,988	\$5,793,447
F1602	Rebuild part of the Y-8 Dane-Dam Heights 69-kV line	\$177,059	\$6,482,534	\$6,659,593
F1638	Construct a Lake Delton-Birchwood 138-kV line	\$0	\$7,996,469	\$7,996,469
F1640	Construct a Horicon-East Beaver Dam 138-kV line	\$0	\$49,515	\$49,515
F1670	Y32 Colley Road-Brick Church uprate	\$0	\$29,585,000	\$29,585,000
F1729	Elm Road TSR Phase II circuit breakers	\$1,149,573	\$4,189	\$1,153,762
F1844	Construct Brandon-Fairwater 69-kV line	\$1,921,929	\$54,330	\$1,976,260
F1867	Replace 138/69-kV transformer at Metomen	\$0	\$4,385,418	\$4,385,418
F1868	Uprate Y-61 Sheepskin-Dana 69-kV line to 95 MVA	\$34,249	\$0	\$34,249
F1869	Install transformer and bus at Bass Creek	\$747,442	\$4,146,836	\$4,894,279
F1981	Construct Paddock-Rockdale 345-kV line	\$100,865,080	\$7,883,595	\$108,748,675
F2016	Uprate Chandler-Cornell 69-kV line	\$602,062	\$91,962	\$694,024
F2079	Replace Glenview transformer	\$0	\$432,240	\$432,240
F2080	Sunset Point transformer replacements	\$0	\$0	\$0
F2081	Shoto-Custer 138-kV line	\$0	\$0	\$0
F2086	Pleasant Valley T-D (second transformer)	\$92,846	\$1,541,653	\$1,634,499
F2088	Fitchburg-Nine Springs Uprate	\$142,192	\$5,209,540	\$5,351,732
F2092	Uprate Portage-Trienda 138-kV line	\$0	\$40,950	\$40,950
F2093	North Randolph 500 MVA transformer	\$0	\$0	\$0
F2105	Construct Fairwater-Mackford Prairie 69-kV line	\$0	\$5,679,773	\$5,679,773
F2135	Uprate Columbia 345/138-kV transformer T-22 to 527 MVA	\$0	\$108,590	\$108,590
F2140	Elm Road Phase II Upgrades	\$12,598,071	\$25,332	\$12,623,403
F2142	Uprate Arcadian-Waukesha 138-kV lines KK9942/KK9962	\$93,367	\$222,819	\$316,185
F2153	Uprate Brick Church-Walworth 69-kV line to 115 MVA	\$0	\$461,917	\$461,917
F2173	Warrens DIC	\$2,097,479	\$4,405,635	\$6,503,114
F2223	Install 1-16.33 MVAR capacitor bank at Indian Lake 138-kV Substation	\$86,444	\$2,014,703	\$2,101,146
F2317	Royster Substation breaker replacement	\$387,036	\$313,263	\$700,299
F2324	Lamar DIC	\$1,989,746	\$308,448	\$2,298,194
F2327	Spring Green capacitor banks	\$1,580,223	\$57,792	\$1,638,015

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F2371	Install a second 138-kV reserve auxiliary transformer at Kewaunee and remove tertiary auxiliary transformer	\$2,484,734	\$37,943	\$2,522,677
F2404	Brick Church capacitor banks	\$111,191	\$3,445,015	\$3,556,206
F2405	Uprate Y-79 McCue-Milton Lawns 69-kV line	\$373,218	\$908,242	\$1,281,460
F2437	Kewaunee SS-Bus Reconfiguration	\$423,993	\$14,153,468	\$14,577,461
F2445	Install a second 138/69-kV transformer at Spring Green with a 100 MVA summer normal rating	\$0	\$4,715,022	\$4,715,022
F2454	Construct Monroe County-Council Creek 161-kV line	\$123,405	\$34,787,681	\$34,911,086
F2461	Uprate Bain-Albers 138-kV line	\$42,570	\$196,871	\$239,441
F2466	West Middleton-Blount 138-kV line	\$0	\$51,662,639	\$51,662,639
F2469	Rebuild the Verona to Oregon 69-kV line Y119	\$47,891	\$5,580,463	\$5,628,354
F2471	6986 Royster-Sycamore uprate	\$0	\$1,643,315	\$1,643,315
F2472	North Monroe 69-kV capacitor banks	\$0	\$2,336,040	\$2,336,040
F2473	Oak Creek-Pennsylvania 138-kV Line KK837 Upgrade	\$0	\$0	\$0
F2474	Dam Heights 69-kV capacitor banks	\$0	\$2,896,361	\$2,896,361
F2475	Sun Prairie 69-kV capacitor banks.	\$0	\$1,828,210	\$1,828,210
F2477	Ripon Substation capacitor banks	\$0	\$885,920	\$885,920
F2480	Wautoma Substation second transformer	\$0	\$4,029,502	\$4,029,502
F2487	Shorewood-Cornell underground 138-kV Line	\$717,584	\$4,947,847	\$5,665,431
F2489	Concord capacitor bank installation	\$0	\$152,904	\$152,904
F2491	Uprate Castle Rock-Mckenna 69-kV line	\$0	\$1,093,828	\$1,093,828
F2493	Mukwonago Capacitor bank	\$0	\$553,960	\$553,960
F2495	Construct 115-kV line from new Woodmin Substation to the Clear Lake Substation	\$0	\$22,928,541	\$22,928,541
F2515	Eden 69-kV capacitor banks	\$0	\$1,643,279	\$1,643,279
F2516	Femrite capacitor banks	\$0	\$870,038	\$870,038
F2517	Mazomanie 69-kV capacitor banks	\$0	\$1,436,822	\$1,436,822
F2518	Boscobel SS 69-kV capacitor banks	\$0	\$1,752,230	\$1,752,230
F2519	McKenna and Chaffee Creek 69-kV capacitor banks	\$0	\$679,676	\$679,676
F2520	Verona capacitor bank	\$0	\$1,743,708	\$1,743,708
F2526	Y33 Brodhead-South Monroe rebuild	\$306,304	\$11,260,493	\$11,566,796
F2532	Lakehead 69-kV line uprate	\$182,253	\$267,953	\$450,206
F2539	Arcadian transformer replacements	\$0	\$8,711,859	\$8,711,859
F2558	Construct 69-kV double-circuit line between McCue and Lamar substations	\$0	\$8,522,646	\$8,522,646
F2560	Convert Necedah distribution substation from 69 kV to 138 kV	\$0	\$761,500	\$761,500
F2570	Spring Valley-Twin Lakes-South Lake Geneva 138-kV line	\$0	\$80,034,630	\$80,034,630
F2587	Construct new 138-kV line from North Lake Geneva to South Lake Geneva Substation	\$0	\$15,726,632	\$15,726,632
F2628	Replace two overhead Blount-Ruskin 69-kV lines with one underground 69-kV line	\$386,470	\$7,240,212	\$7,626,682
F2650	Install 3-75 MVAR capacitor banks at Bluemound Substation	\$43,045	\$3,394,133	\$3,437,178

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F2833	Rebuild/convert Straits-Pine River 138-kV lines 6904/5	\$0	\$36,213,063	\$36,213,063
F2836	Uprate Pine River-Nine Mile 69-kV line 6923 to 167 degrees F and asset renewal for 6921/3	\$0	\$23,147,608	\$23,147,608
F2874	Uprate Council Creek-Petenwell 138-kV line	\$0	\$210,426	\$210,426
F2894	Install power flow control at Straits 138-kV Substation	\$0	\$83,985,355	\$83,985,355
F2966	Install reactors at Straits Substation	\$0	\$2,476,428	\$2,476,428
F3008	Install 1-32.66 MVAR 138-kV capacitor bank at Kegonsa Substation	\$0	\$1,033,215	\$1,033,215
F3036	Replace Petenwell 138/69-kV transformer	\$0	\$3,410,143	\$3,410,143
F3040	Install second 138/69-kV transformer and a 138-kV ring bus at Chandler Substation	\$0	\$7,885,954	\$7,885,954
F3046	Reconfigure Petenwell 138-kV bus	\$0	\$164,613	\$164,613
F3062	Uprate Winneconne-Sunset Point 69-kV line Y-103	\$0	\$11,665,661	\$11,665,661
F3063	Replace existing 56 MVA Harrison 138/69-kV transformer with a 100 MVA transformer	\$0	\$3,216,697	\$3,216,697
F3066	Install/replace 69-kV breakers at Delta Substation	\$0	\$3,481,758	\$3,481,758
F3068	Energize Hiawatha-Indian Lake at 138 kV	\$0	\$4,849,964	\$4,849,964
F3071	Uprate Munising-Seney-Blanney Park 69-kV line to 167 degrees F	\$0	\$11,076,749	\$11,076,749
F3073	Relocate Engadine 69-kV load	\$0	\$805,921	\$805,921
F3077	Construct 18th Road-Chandler double circuit 138-kV lines and operate at 138/69	\$0	\$28,602,139	\$28,602,139
F3080	Construct a new Arnold 345-kV Substation and install a 345/138-kV transformer	\$0	\$15,706,606	\$15,706,606
F3103	Uprate 6927 West Middleton-Stage Coach 69-kV line to 106 MVA SE	\$0	\$1,781,658	\$1,781,658
2010 TYA Totals Reported		\$0.2B	\$0.8B	\$1.0B
Plus Point Beach 2018 area upgrades and Bain-Zion			\$0.2B	
Plus projects completed prior to 1/1/2010		\$2.0B		
Plus regional multi-benefits projects			\$0.7B	
Plus other non-network projects			\$1.7B	
Total ATC Capital Expenditures		\$2.2B	\$3.4B	