

ATC 2009 10-Year Assessment  
Summary of Network Capital Expenditures (2009-2018)  
10-Year Assessment Project Detail

FP	10-Year Assessment Network Project Description	Sum of Previous Expenditures as of 12/31/2008	Sum of Future Expenditures 2009-2018	Total Capital Expenditures 2001-2018
F1435	Construct 345-kV line from Rockdale to West Middleton	\$0	\$206,059,928	\$206,059,928
F0823	Construct Morgan-Werner West 345-kV line	\$100,772,701	\$47,231,596	\$148,004,297
F1981	Paddock-Rockdale 345-kV line	\$35,072,011	\$82,484,322	\$117,556,333
F1363	Cranberry-Conover-Iron River-Plains project	\$62,863,422	\$45,630,527	\$108,493,949
F2570	Spring Valley-Twin Lakes-South Lake Geneva 138-kV line	\$0	\$78,923,833	\$78,923,833
F2466	West Middleton-Blount 138-kV line	\$0	\$60,810,250	\$60,810,250
F2833	Rebuild/convert Straits-Pine River 138-kV lines 6904/5	\$0	\$37,316,887	\$37,316,887
F2454	Construct Monroe County-Council Creek 161-kV line	\$17,174	\$31,158,476	\$31,175,650
F0924	Construct a Jefferson-Stony Brook 138-kV line	\$12,728,966	\$16,882,800	\$29,611,766
F2836	Construct tap from Kinross load to Pine River/Nine Mile 69-kV line	\$0	\$23,099,097	\$23,099,097
F2252	Rebuild Arpin-Rocky Run 345-kV line	\$872,052	\$21,881,891	\$22,753,942
F1407	Oak Ridge-Verona 138-kV line	\$5,614,799	\$11,247,007	\$16,861,805
F1358	Construct 138-kV line from Canal to Dunn Road	\$25,423	\$15,755,915	\$15,781,338
F2587	Construct new 138-kV line from North Lake Geneva to South Lake Geneva Substation	\$0	\$14,717,000	\$14,717,000
F1640	Construct a Horicon-East Beaver Dam 138-kV line	\$0	\$13,390,698	\$13,390,698
F2495	Construct 115-kV line from new Woodmin Substation to the Clear Lake Substation	\$0	\$12,200,000	\$12,200,000
F2437	Kewaunee SS-Bus Reconfiguration	\$0	\$11,923,864	\$11,923,864
F2526	Y33 Brodhead-South Monroe rebuild	\$0	\$11,832,423	\$11,832,423
F1670	Y32 Colley Road-Brick Church uprate	\$0	\$11,225,500	\$11,225,500
F1638	Construct a Lake Delton-Birchwood 138-kV line	\$0	\$9,489,119	\$9,489,119
F1282	Construct ring bus at the Pine River 69-kV Substation and replace 1-5.4 MVAR capacitor bank with 2-4.08 MVAR banks	\$1,140,014	\$7,900,386	\$9,040,400
F2834	Install 138/69-kV 150 MVA transformers at Pine River and Nine Mile	\$0	\$8,620,963	\$8,620,963
F2558	Construct 69-kV double-circuit line between McCue and Lamar substations	\$0	\$8,522,646	\$8,522,646
F2539	Arcadian transformer replacements	\$0	\$7,276,385	\$7,276,385
F2140	Elm Road Phase II Upgrades	\$6,831,910	\$8,364	\$6,840,273
F2173	Warrens DIC	\$456,953	\$6,274,180	\$6,731,133
F2081	Shoto-Custer 138-kV line	\$0	\$6,443,929	\$6,443,929
F0181	Construct a second Dunn Road-Egg Harbor 69-kV line	\$0	\$6,097,939	\$6,097,939
F2628	Replace two overhead Blount-Ruskin 69-kV lines with one underground 69-kV line	\$2,092	\$6,089,799	\$6,091,892
F2487	Shorewood-Cornell underground 138-kV Line	\$57,811	\$5,939,382	\$5,997,193
F1602	line	\$173,952	\$5,818,223	\$5,992,176
F2079	Replace Glenview transformer	\$0	\$5,869,778	\$5,869,778
F2105	Construct Fairwater-Mackford Prairie 69-kV line	\$0	\$5,685,596	\$5,685,596
F1869	Install transformer and bus at Bass Creek	\$159,651	\$5,381,591	\$5,541,242
F2327	Spring Green capacitor banks	\$222,055	\$5,263,409	\$5,485,464
F2080	Sunset Point transformer replacements	\$0	\$5,371,145	\$5,371,145
F2404	Brick Church capacitor banks	\$13,870	\$5,158,376	\$5,172,246
F2469	Rebuild the Verona to Oregon 69-kV line Y119	\$0	\$5,086,042	\$5,086,042
F1444	Uprate Y-40 Gran Grae-Boscobel 69-kV line to achieve a 99 MVA summer emergency rating	\$199,728	\$4,427,807	\$4,627,535

ATC 2009 10-Year Assessment  
Summary of Network Capital Expenditures (2009-2018)  
10-Year Assessment Project Detail

FP	10-Year Assessment Network Project Description	Sum of Previous Expenditures as of 12/31/2008	Sum of Future Expenditures 2009-2018	Total Capital Expenditures 2001-2018
F2445	Install a second 138/69-kV transformer at Spring Green with a 100 MVA summer normal rating	\$0	\$4,436,285	\$4,436,285
F2088	Fitchburg-Nine Springs Uprate	\$34,037	\$4,390,576	\$4,424,613
F1867	Replace 138/69-kV transformer at Metomen	\$0	\$4,385,418	\$4,385,418
F2480	Wautoma Substation second transformer	\$0	\$4,029,502	\$4,029,502
F2112	GIC 012 Elm Road Unit 1 Phase II	\$3,652,075	\$41,421	\$3,693,496
F1619	Bayport-Pioneer Phase I	\$0	\$3,624,449	\$3,624,449
F2650	Install 3-75 MVAR capacitor banks at Bluemound Substation	\$0	\$3,466,950	\$3,466,950
F2093	North Randolph 500 MVA transformer	\$0	\$3,407,728	\$3,407,728
F2489	Concord capacitor bank installation	\$0	\$3,358,282	\$3,358,282
F2485	M38 Substation-capacitor bank-Bus Expansion	\$144,983	\$2,902,236	\$3,047,219
F2475	Sun Prairie 69-kV capacitor banks.	\$0	\$2,566,334	\$2,566,334
F0339	Install a second 138/69-kV transformer at Hillman	\$0	\$2,531,712	\$2,531,712
F2371	Kewaunee Substation-Repl OCB-TAT	\$155,625	\$2,366,105	\$2,521,730
F1361	Rebuild 2.37 miles of 69 kV from Sunset Point to Pearl Ave with 477 ACSR	\$604,547	\$1,916,802	\$2,521,349
F2086	Pleasant Valley T-D (second transformer)	\$7,069	\$2,409,950	\$2,417,019
F2516	Femrite capacitor banks	\$0	\$2,404,642	\$2,404,642
F2472	North Monroe 69-kV capacitor banks	\$0	\$2,336,040	\$2,336,040
F1844	Construct Brandon-Fairwater 69-kV line	\$258,223	\$2,012,520	\$2,270,743
F2222	Install 1-16.33 MVAR capacitor bank at Hiawatha 138-kV Substation	\$99,560	\$2,146,978	\$2,246,538
F2248	Sheepskin Substation Relay Upgrades	\$655,921	\$1,570,610	\$2,226,531
F2473	Oak Creek-Pennsylvania 138-kV Line KK837 Upgrade	\$0	\$2,224,208	\$2,224,208
F2474	Dam Heights 69-kV capacitor banks	\$0	\$2,150,064	\$2,150,064
F2092	Uprate Portage-Trienda 138-kV line	\$0	\$2,026,175	\$2,026,175
F2256	Summit capacitor banks	\$32,511	\$1,765,726	\$1,798,236
F2324	Lamar DIC	\$139,389	\$1,579,974	\$1,719,363
F2517	Mazomanie 69-kV capacitor banks	\$0	\$1,681,113	\$1,681,113
F2520	Verona capacitor bank	\$0	\$1,572,509	\$1,572,509
F2515	Eden 69-kV capacitor banks	\$0	\$1,568,118	\$1,568,118
F2490	North Bluff SS-Install capacitor bank	\$0	\$1,447,034	\$1,447,034
F2154	Uprate Walworth- North Lake Geneva 69-kV to 69 MVA	\$235,466	\$1,132,210	\$1,367,676
F2518	Boscobel SS 69-kV capacitor banks	\$0	\$1,335,173	\$1,335,173
F2468	Osceola Substation-install capacitor bank	\$77,015	\$1,053,019	\$1,130,034
F1729	Elm Road TSR Phase II circuit breakers	\$757,568	\$338,165	\$1,095,733
F2491	Uprate Castle Rock-Mckenna 69-kV line	\$0	\$1,093,828	\$1,093,828
F2153	Uprate Brick Church-Walworth 69-kV line to 115 MVA	\$0	\$960,370	\$960,370
F1819	Install 1-5.4 MVAR capacitor bank at L'Anse 69 kV	\$59,368	\$848,959	\$908,326
F2405	Uprate Y-79 McCue-Milton Lawns 69-kV line	\$88,592	\$801,715	\$890,306
F2477	Ripon Substation capacitor banks	\$0	\$801,448	\$801,448
F2471	6986 Royster-Sycamore uprate	\$0	\$790,584	\$790,584
F2560	Convert Necedah distribution substation from 69 kV to 138 kV	\$0	\$761,500	\$761,500
F2317	Royster Substation breaker replacement	\$140,015	\$553,825	\$693,840
F2016	Uprate Chandler-Cornell 69-kV line clearance from 120 to 167 deg F	\$222,213	\$427,283	\$649,496

ATC 2009 10-Year Assessment  
Summary of Network Capital Expenditures (2009-2018)  
10-Year Assessment Project Detail

<i>FP</i>	<i>10-Year Assessment Network Project Description</i>	<i>Sum of Previous Expenditures as of 12/31/2008</i>	<i>Sum of Future Expenditures 2009-2018</i>	<i>Total Capital Expenditures 2001-2018</i>
F2223	Install 1-16.33 MVAR capacitor bank at Indian Lake 138-kV Substation	\$0	\$642,044	\$642,044
F2532	Lakehead 69-kV line uprate	\$34	\$601,487	\$601,520
F1403	kV	\$0	\$596,084	\$596,084
F2493	Mukwonago Capacitor bank	\$0	\$517,960	\$517,960
F1988	Point Beach SS Line 111 Upgrades	\$145,262	\$335,017	\$480,280
F2398	Replace Metomen 69-kV breaker	\$17,984	\$400,272	\$418,256
F2519	McKenna 69-kV capacitor bank	\$0	\$326,860	\$326,860
F2142	Uprate Arcadian-Waukesha 138-kV lines KK9942/KK9962	\$79,441	\$242,639	\$322,080
F2461	Upgrade Bain-Albers 138-kV Line	\$5,249	\$298,325	\$303,574
F2434	Tayco - Melissa OPGW Line 138124	\$49,954	\$172,173	\$222,127
F2534	Delta 1 69-kV line uprate	\$0	\$145,304	\$145,304
F2135	Uprate Columbia 345/138-kV transformer 1-22 to 527 MVA	\$0	\$108,590	\$108,590
F2849	Uprate Council Creek-Petenwell 138-kV line	\$0	\$67,057	\$67,057
F2535	Delta 2 69-kV line uprate	\$0	\$38,439	\$38,439
F1868	Uprate Y-61 Sheepskin-Dana 69-kV line to 95 MVA	\$34,249	\$0	\$34,249
F2053	Construct a 69-kV line from SW Ripon to the Ripon-Metomen 69-kV line	\$0	\$0	\$0
F2476	Install a 12.2 MVAR capacitor bank at Hilltop 69-kV Substation	\$0	\$0	\$0
F2557	Rio capacitor banks	\$0	\$0	\$0
<b>2009 TYA Totals Reported</b>		<b>\$238M</b>	<b>\$962M</b>	<b>\$1,207M</b>
<b>Plus projects completed prior to 1/1/2009</b>		<b>\$1.891</b>		
<b>Plus non-network projects in TYA</b>			<b>\$1.578B</b>	
<b>Total ATC Capital Expenditures</b>		<b>\$2.129B</b>	<b>\$2.54B</b>	