

2004 Access Initiative
Project Packages

Project Descriptions	Planning Zone	Total Line Mileage or Xfmr Amt	Capital Cost Estimate (million)	Included in latest TYA with reliability driver?	Base case + 2	Byron-NMA + 2	PAD-ROE + 2	Salem-NMA + 2	Salem-NMA + 2 + Mqkta	Project In PROMOD
Major Projects										
Byron-North Monroe-West Middleton-N Madison 345 kV	3	94	\$209	No		X				X
Rebuild Paddock-Rockale 345kV to double circuit 345/345kV	3	34.6	\$43.1	No			X			X
Salem-Spring Green-West Middleton-N Madison 345 kV proxy for Large Access Project, includes rebuild Nelson Dewey-Spring Green-West Middleton 138/69 kV to double circuit 345/138 kV	3	134	\$331.0	No				X	X	X
Improve 345 kV terminals at Salem and Rock Creek (1246 MVA Summer)	ALTW	--	Included above	No				X	X	X
Rebuild Salem-Maquoketa 161 kV line (1200A Summer)	ALTW	24.6	\$7.4	No					X	X
Plus 2 Fixes										
Install second 345/138 kV transformer at Paddock (500 MVA normal/625 MVA emergency)	3	500	\$3.0	No	X			X	X	X
Expand 345 kV to 6 positions at Paddock	3	--	\$3.9	No	X		X	X	X	X
Expand 138 kV to 7 positions at Paddock	3	--	\$1.3	No	X			X	X	X
Improve Des Plaines - Lombard (Red) 345 kV rating - terminals	ComEd	--	\$1.0	No		X	X	X	X	X
Rebuild Lore-Turkey River-Cassville-Nelson Dewey 161kV	ALTW/DPC	33	\$10.0	No	X	X	X			X
Future Chronic Limiters										
Rocky Run - Werner West 345 kV Uprate to 140F (Summer Emergency 911 MVA)	1 & 4	45	\$1.3	No	X	X	X	X	X	X
Rocky Run - Plover 115 kV Upgrade (Summer Emergency 336 MVA)	1	4	\$1.5	No	X	X	X	X	X	
Zion - Pleasant Prairie 345 kV Uprate to 200F (Summer Emergency 1338 MVA)	5	3.5	\$4.0	No	X	X	X	X	X	
Reconductor Pulliam - Danz Ave 69 kV with 477 ACSR (Summer Emergency 105 MVA/Winter Emergency 136 MVA)	4	2.6	\$2.2	No	X	X	X	X	X	
MPU Comparability										
Rebuild/convert New Holstein-St Nazianz-Custer-Lakefront to 138 kV (1225 Amps minimum)	4	20	\$7.7	No	X	X	X	X	X	
Rebuild Tecumseh Rd-New Holstein to double circuit 138/69kV, where 69kV will serve Gravesville via New Holstein	4	2.5	\$2.4	No	X	X	X	X	X	
Install 47 MVA 138/69 kV transformer at Custer	4	47	\$3.1	No	X	X	X	X	X	
Install 100 MVA 138/69 kV transformer at Lakefront	4	100	\$2.5	No	X	X	X	X	X	
Package Specific Projects										
2nd West Middleton-Walnut 69kV circuit	3	8.2	\$11.0	Yes		X				
2nd Nelson Dewey 161/138 kV 280 MVA transformer	3	280	\$3.0	No	X		X			
Replace Fitzgerald 345/138 transformer with 500 MVA unit	4	500	\$2.6	No	X					
Rebuild Paddock-Town Line Road 138 kV to double circuit 1600 Amps minimum summer emergency each	3	7	\$5.5	No	X					
Reconductor Town Line Road-Russell 138 kV to 1600 Amps minimum summer emergency	3	8.3	\$2.3	No	X					
Load Serving Projects listed in TYA										
Expand 345kV switchyard at Bain and construct Bain-Racine 345 kV circuit	5	10	\$8.5	Yes, Voltage Collapse						
Construct Monroe County-Council Creek 161 kV line*	1	20	\$9.2	Yes, Tomah						
Install a 161/138 kV transformer at Council Creek*	1	280	\$3.0	Yes, Tomah						
Uprate Council Creek-Petenwell 138 kV line*	1	32	\$1.6	Yes, Tomah						
Rebuild/reconductor Petenwell-Saratoga 138 kV line*	1	23	\$5.7	Yes, Tomah						

Total checked projects included in PROMOD runs (millions) \$19.5 \$221.3 \$59.3 \$341.5 \$348.9

Total checked projects (millions) \$56.3 \$255.7 \$85.7 \$364.9 \$372.3

As of 11/29/2004, using data from 11/10/04 runs directory

Total checked + shaded projects (millions) \$84.3 \$283.7 \$113.7 \$392.9 \$400.3