

Table PR-24
Maintenance, Operations or Protection Projects over \$0.5 Million (2009-2013)

Project Description	System Need Year	In-Service Year	Initiated	Planning Zone	Need Category	Planned, Proposed or Provisional	Capital Cost Estimate (in Millions)
Chaffee Creek-Kilbourn (Y100) line	2006	2009	Maintenance	1	Poor condition	Planned	3.9
Chaffee Creek-Hancock (Y90) line rebl'd	2009	2009	Maintenance	1	Poor condition	Planned	1.0
Iola breaker replacement	2008	2009	Maintenance	1	Poor condition	Planned	0.6
Pine River substation upgrades	2008	2009	Maintenance	2	Poor condition	Planned	7.5
Plains substation upgrades	2008	2009	Protection	2	Improve protection	Planned	3.5
Atlantic breaker & relay replacements	2009	2009	Protection	2	Improve protection	Proposed	0.7
M38 breaker & switch replacements	2009	2009	Maintenance	2	Poor condition	Provisional	0.6
Hillman-Nelson Dewey (X15) line rebl'd	2008	2009	Maintenance	3	Poor condition	Planned	4.4
Mt Horeb-Rock Branch (Y135) line rebl'd	2007	2009	Maintenance	3	Poor condition	Planned	4.0
North Monroe substation upgrades	2008	2009	Protection	3	Improve protection	Planned	1.7
Deforest substation upgrades	2008	2009	Protection	3	Improve protection	Planned	1.7
Brodhead relay replacements	2009	2009	Protection	3	Improve protection	Proposed	0.7
City Limits relay replacements	2009	2009	Protection	4	Improve protection	Proposed	0.9
Highway V breaker replacement	2009	2009	Protection	4	Improve protection	Proposed	0.7
Butte Des Mort relay upgrades	2009	2009	Maintenance	4	Poor condition	Planned	0.6
Maes relay replacements	2009	2009	Protection	4	Improve protection	Proposed	0.6
Kenosha-Lakeview line rebuild	2009	2009	Maintenance	5	Poor condition	Provisional	1.2
Spare 138/69 kV transformer	2009	2009	Maintenance	-	Improve protection	Proposed	2.1
Berlin-Wautoma (Y95) line rebuild	2010	2010	Maintenance	1	Poor condition	Provisional	2.0
Council Creek transformer	2010	2010	Maintenance	1	Poor condition	Provisional	1.8
Whitman-Deer Trail (Y86) line rebuild	2010	2010	Maintenance	1	Poor condition	Provisional	1.7
Arpin breaker replace	2010	2010	Maintenance	1	Poor condition	Provisional	1.0
Rozelleville-Sigel (Y107) line rebuild	2009	2010	Maintenance	1	Poor condition	Planned	0.7
Portage-Wautoma (Y17) lightning protect	2010	2010	Maintenance	1	Improve protection	Provisional	0.6
Black Brook breaker addition	2010	2010	Protection	1	Improve protection	Proposed	0.5
L6952 lightning protection	2010	2010	Maintenance	2	Improve protection	Provisional	1.0
Munising lightning protection	2010	2010	Maintenance	2	Improve protection	Planned	0.5
60853-60842 lightning protection	2010	2010	Maintenance	2	Improve protection	Planned	0.5
Spring Green-Stagecoach (Y62) line rebl'd	2008	2010	Maintenance	3	Poor condition	Planned	4.8
Sun Prairie breaker & relay replacements	2010	2010	Protection	3	Improve protection	Provisional	2.2
Boscobel-Hillside (Y40) line rebuild	2010	2010	Maintenance	3	Poor condition	Planned	2.1
Sheepskin SS relay upgrades	2008	2010	Protection	3	Improve protection	Planned	2.1
Spring Green-Kirkwood (X18) line rebl'd	2010	2010	Maintenance	3	Poor condition	Planned	1.9

*Table PR-24 (continued)
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Project Description	System Need Year	In-Service Year	Initiated	Planning Zone	Need Category	Planned, Proposed or Provisional	Capital Cost Estimate (in Millions)
Rio- North Randolph (Y64) line rebuild	2010	2010	Maintenance	3	Poor condition	Provisional	1.9
Colley Road Substation upgrades	2006	2010	Maintenance	3	Poor condition	Proposed	1.2
Dam Heights breaker & relay replacement	2010	2010	Protection	3	Improve protection	Planned	1.1
Dam Heights-Dane (Y8) line rebuild	2008	2010	Maintenance	3	Poor condition	Planned	1.0
Hillman-Miner (Y130) line rebuild	2010	2010	Maintenance	3	Poor condition	Provisional	0.9
McCue relay replacements	2010	2010	Protection	3	Improve protection	Proposed	0.7
Ellinwood relay & switch replacements	2010	2010	Maintenance	4	Poor condition	Provisional	4.0
KK64441-KK64451 lightning protection	2010	2010	Maintenance	4	Improve protection	Provisional	2.2
N. Fond du Lac transformer & breakers	2010	2010	Maintenance	4	Poor condition	Provisional	2.1
Shoto breaker replacement	2010	2010	Maintenance	4	Poor condition	Provisional	0.7
New Holstein relay & switch replacements	2010	2010	Maintenance	4	Poor condition	Provisional	0.6
Elkhart Lake substation upgrades	2010	2010	Maintenance	4	Poor condition	Proposed	0.6
Sawyer breaker & relay replacements	2010	2010	Maintenance	4	Poor condition	Provisional	0.5
Bluemound breaker & switch replacement	2010	2010	Maintenance	5	Poor condition	Planned	4.3
Oak Creek Substation upgrades	2010	2010	Maintenance	5	Poor condition	Proposed	1.0
Kenosha substation upgrades	2010	2010	Maintenance	5	Poor condition	Proposed	0.9
Spare 345/138-kV transformer	2010	2010	Maintenance	-	Improve protection	Proposed	4.2
Spare 138/69-kV transformer	2010	2010	Maintenance	-	Improve protection	Proposed	4.2
Inland 69-kV line rebuild	2013	2013	Maintenance	2	Poor condition	Provisional	4.4