Feeders that did not meet SR 25.52(f)(2)(A) (10% worst feeder, two years in a row)

10% Worst Performing Feeders based on SAIDI (SR 25.52 (f)(2)(A)

Feeder ID: Lehman LV500
2002 SAIDI: 168.26
2003 SAID: 373.43
Reasons for poor performance: In 2003 there was a switching error that put this in the top ten %. Also in 2003 there was a long outage due to a windstorm. There were a total of 35 outages in 2002 and 2003 total ranging from one customer to all.
Operational changes made, considering or planned to improve performance: An existing recloser has been relocated for better isolation in 2004. The addition of a set solid blades have added an isolation point and fault indicators have been added at that same location in 2004.

Feeder ID: Russell S280
2002 SAIDI: 359.18
2003 SAID: 345.59
Reasons for poor performance: There were a total of 26 outages in 2002 and 2003 total ranging from one customer to all. Sixteen of these were weather related. Other larger outages were caused by a failed primary meter, and crossarm failure.
Operational changes made, considering or planned to improve performance: Detailed patrolling and maintenance was performed on 13 miles of this feeder in 2003, and several problems were found and corrected.

Feeder ID: Doss 6660
2002 SAIDI: 578.88
2003 SAID: 329.07
Reasons for poor performance: There were a total of 29 outages in 2002 and 2003 total ranging from one customer to all. Eleven of these were weather related. A cut primary line, and overloaded transformers caused some of the rest.
Operational changes made, considering or planned to improve performance: Installation of an additional three-phase recloser was performed in 2003. Additional fusing of a number of primary taps was added in early 2004.

Feeder ID: Dalhart 1664
2002 SAIDI: 236.27
2003 SAID: 328.52
Reasons for poor performance: There were a total of 17 outages in 2002 and 2003 total ranging from one customer to all. Twelve of these were weather related. One major outage was caused by a vehicular accident. No chronic problems.
Operational changes made, considering or planned to improve performance: Two sets of three-phase fault indicators and solid blade disconnects were installed in 2003. No additional work is anticipated.

Feeder ID: Etter Rural 5405
2002 SAIDI: 245.29

2003 SAID: 319.42
Reasons for poor performance: There were a total of 65 outages in 2002 and 2003 total ranging from one customer to all. Thirty-nine of these were weather related. A squirrel at the substation was responsible for a lengthy outage in October 2002.
Operational changes made, considering or planned to improve performance: Installed three-phase lightning arresters at four per mile for six miles along FM 2203 in 2003. Installed three-phase gang operated switch along HWY 281 just east of FM 2203 in 2004. Rebuild of 3.0 miles of main line conductor is planned for 2005. Additional measures are being considered, pending 2004 reliability performance.

Feeder ID: Bowers 5090
2002 SAIDI: 171.29
2003 SAID: 311.11
Reasons for poor performance: There were a total of 36 outages in 2002 and 2003 total ranging from one customer to all. Twenty-nine of these were weather related.
Operational changes made, considering or planned to improve performance: Relocated recloser to enhance sectionalization in 2003. One set of three-phase fault indicators were installed in 2003. Replaced existing 30A main line fuses along Acker Rd north of Babcock Rd with solid blade disconnects and fault indicators in 2004. Rebuilt and reconductored approximately 0.5 mi of existing east/west main line primary just south of existing recloser 90-3 and to the west in 2004.

Feeder ID: Sherman County 1452
2002 SAIDI: 135.38
2003 SAID: 282.25
Reasons for poor performance: There were a total of 11 outages in 2002 and 2003 total ranging from one customer to all. Two of these were weather related. One major outage in May 2003 was due to tornado, with 16 poles down. No chronic problems.
Operational changes made, considering or planned to improve performance: Two sets of three-phase fault indicators and solid blade disconnects were installed in 2003. No additional work is anticipated.

Feeder ID: Boardman S560
2002 SAIDI: 189.63
2003 SAID: 279.43
Reasons for poor performance: There were a total of 26 outages in 2002 and 2003 total ranging from one customer to all. Twelve of these were weather related. One substantial outage was caused by a burned up disconnect switch.
Operational changes made, considering or planned to improve performance: Additional fusing of primary taps was performed in early 2004.

Feeder ID: Moore Co M060
2002 SAIDI: 275.24
2003 SAID: 188.71

Reasons for poor performance: There were a total of 23 outages in 2002 and 2003 total ranging from one customer to all. Fourteen of these were weather related. A bird at the substation was responsible for a lengthy outage in November 2002, and a different bird caused a significant outage in May 2003.
Operational changes made, considering or planned to improve performance: One set of three-phase fault indicators and solid blade disconnects were installed in 2003. Rebuilt and reconductored approximately 0.5 mile of overhead main line just south of Continental Carbon Plant in 2004. The substation will be rebuilt in 2005, and should become less bird-friendly.

10% Worst Performing Feeders based on SAIFI (SR 25.52 (f)(2)(A)

Feeder ID: Doss 6660
2002 SAIFI: 1.70
2003 SAIFI: 3.72
Please see Doss 6660 under SAIDI feeders above for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Dalhart 1664
2002 SAIFI: 2.06
2003 SAIFI: 3.46
Please see Dalhart 1664 under SAIDI feeders above for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Sherman County 1452
2002 SAIFI: 2.06
2003 SAIFI: 3.41
Please see Sherman County 1452 under SAIDI feeders above for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Russell S280
2002 SAIFI: 2.13
2003 SAIFI: 2.61
Please see Russell S280 under SAIDI feeders above for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Cedar Lake East S910
2002 SAIFI: 1.61
2003 SAIFI: 2.30
Reasons for poor performance: There were a total of 16 outages in 2002 and 2003 total ranging from one customer to all. A significant fifteen of these were weather related.

Operational changes made, considering or planned to improve performance: Ten miles of old 2.4 kV insulators were replaced with 15 kV insulators in 2003.

Feeder ID: Etter Rural 5405
2002 SAIFI: 2.15
2003 SAIFI: 2.25
Please see Etter Rural 5405 under SAIDI feeders above for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Moore County M055
2002 SAIFI: 2.39
2003 SAIFI: 2.21
Reasons for poor performance: There were a total of 22 outages in 2002 and 2003 total ranging from one customer to all. Nine of these were weather related. A bird at the substation was responsible for a lengthy outage in November 2002, and a different bird caused a significant outage in May 2003.
Operational changes made, considering or planned to improve performance: Two sets of three-phase fault indicators and solid blade disconnects were installed in 2003. Bird guards were installed on distribution facilities in a high bird area in 2003. Installed solid blade disconnects to isolate BP-Amoco facility in 2004. Installation of a 15kV three-phase electronic recloser outside substation looking east is also planned for 2004. The substation will be rebuilt in 2005, and should become less bird-friendly. Additional measures are being considered, pending 2004 reliability performance.

Feeder ID: Moore County M060
2002 SAIFI: 2.01
2003 SAIFI: 2.08
Please see Moore County M060 under SAIDI feeders above for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Littlefield West LI156
2002 SAIFI: 2.16
2003 SAIFI: 2.06
Reasons for poor performance: Two sustained feeder level outages occurred because the breaker was on one shot. Had the breaker not been on one shot in either of these incidences the feeder would not have made the 10% list.
Operational changes made, considering or planned to improve performance: In 2002 additional fusing was added. No additional work is anticipated.

Feeder ID: Doss S410
2002 SAIFI: 2.19
2003 SAIFI: 2.01

Reasons for poor performance: There were a total of 10 outages in 2002 and 2003 total ranging from one customer to all. Eight of these were weather related, with two large outages occurring during a lightning storm in May 2003. No chronic problems.
Operational changes made, considering or planned to improve performance: No changes were made. No work is anticipated.

Feeder ID: Booker 33-08
2002 SAIFI: 3.04
2003 SAIFI: 1.82
Reasons for poor performance: There were a total of 36 outages in 2002 and 2003 total ranging from one customer to all. Eighteen of these were weather related. This feeder serves all 1067 Customers in Lipscomb County and has more than 100 miles of line exposure. Results of improved response time and restoration methodology are recently evident.
Operational changes made, considering or planned to improve performance: Plans for improved response time using a better restoration methodology were implemented in 2003. Installation of remote fault indicators at 13 strategic locations along this feeder is planned for 2004.

Feeders that did not meet SR 25.52(f)(2)(B) (300% greater than system avg, two years in a row)

Feeders with performance 300% above system average based on SAIDI -- SR 25.52 (f)(2)(B)

Feeder ID: Lehman LV500
2002 SAIDI: 168.26
2003 SAID: 373.43
See Lehman LV500 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Russell S280
2002 SAIDI: 359.18
2003 SAID: 345.59
See Russell S280 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Doss 6660
2002 SAIDI: 578.88
2003 SAID: 329.07
See Doss 6660 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Dalhart 1664
2002 SAIDI: 236.27
2003 SAID: 328.52
See Dalhart 1664 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Etter Rural 5405
2002 SAIDI: 245.29
2003 SAID: 319.42
See Etter Rural 5405 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Bowers 5090
2002 SAIDI: 171.29
2003 SAID: 311.11
See Bowers 5090 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Sherman County 1452
2002 SAIDI: 135.38
2003 SAID: 282.25
See Sherman County 1452 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Boardman S560
2002 SAIDI: 189.63

2003 SAID: 279.43
See Boardman S560 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Moore County M060
2002 SAIDI: 275.24
2003 SAID: 188.71
See Moore County M060 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Bowers 2053
2002 SAIDI: 130.19
2003 SAID: 172.87
Reasons for poor performance: There were a total of 16 outages in 2002 and 2003 total ranging from one customer to all. Six of these were weather related.
Operational changes made, considering or planned to improve performance: Two sets of three-phase fault indicators and solid blade disconnects were installed in 2003. No additional work is anticipated.

Feeders with performance 300% above system average based on SAIFI -- SR 25.52 (f)(2)(B)

Feeder ID: Doss 6660
2002 SAIFI: 1.70
2003 SAIFI: 3.72
See Doss 6660 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Dalhart 1664
2002 SAIFI: 2.06
2003 SAIFI: 3.46
See Dalhart 1664 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Sherman County 1452
2002 SAIFI: 2.06
2003 SAIFI: 3.41
See Sherman County 1452 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Russell S280
2002 SAIFI: 2.13
2003 SAIFI: 2.61
See Russell S280 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Cedar Lake East S910
2002 SAIFI: 1.61
2003 SAIFI: 2.30
See Cedar Lake East S910 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Etter Rural 5405
2002 SAIFI: 2.15
2003 SAIFI: 2.25
See Etter Rural 5405 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Moore County M055
2002 SAIFI: 2.39
2003 SAIFI: 2.21
See Moore County M055 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Moore County M060
2002 SAIFI: 2.01
2003 SAIFI: 2.08

See Moore County M060 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Littlefield West LI156
2002 SAIFI: 2.16
2003 SAIFI: 2.06
See Littlefield West LI156 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Doss S410
2002 SAIFI: 2.19
2003 SAIFI: 2.01
See Doss S410 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.

Feeder ID: Booker 33-08
2002 SAIFI: 3.04
2003 SAIFI: 1.82
See Booker 33-08 under response to Question #8 for reasons for poor performance and operational changes made, considering or planned to improve performance.