05-GF-113

Xcel Energy

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October 22, 2002

Ms. Lynda L. Dorr
Secretary to the Commission
Public Service Commission of Wisconsin
610 North Whitney Way
P.O. Box 7854
Madison, WI 53703-7854

Re: Filing Requirement per Wis. Admin. Code Ch. PSC 113.0605 (1) 05-GF-113

Dear Ms. Dorr:

Per my recent discussions and agreement with Jim Lepinski, attached are duplicate copies of Northern States Power Company – Wisconsin's (NSP-W), d/b/a Xcel Energy, *Initial Historical Reliability Performance Report* per Wis. Admin Code Ch. PSC 113.0605 (1) and the 2000 SAIFI, SAIDI and CAIDI including storms, for the NSP-W system, by operating area and by feeder per Wis. Admin Code Ch. PSC 113.0604 (2)(a). The attachments are exact copies of the documents previously filed in compliance with the PSC 113 requirements.

The previous copy of the "*initial history report*" required under PSC 113.0605 was not filed with the Annual Report requirement of PSC 113.0604 as they are separate reporting requirements under PSC 113. However, based on my discussions with PSCW staff and my review of the Company's 4220-GF-100 file at the PSCW, I was unable to locate a copy of the "*initial history report*", nor was I able to locate a copy of the 2000 SAIFI, SAIDI and CAIDI for the system, by operating area and by feeder with storms included. It is my understanding from discussions with PSCW staff and the records office that it may have been filed under a different docket number or its location may have been affected by the retirement of Jim Loock.

Whatever the status of copies previously provided, attached are duplicate copies of the *Initial Historical Reliability Performance Report* and the 2000 SAIFI, SAIDI and CAIDI for the system, by operating area and by feeder – both documents include all storms - as previously provided to Jim Loock for your review. Please contact me at 608.280.7301, or at brian.r.zelenak@xcelenergy.com if you have any questions.

Respectfully submitted,

Brian R. Zelenak
Manager, Regulatory Policy

enc.

c: James Lepinski
Scot Cullen
Internal w/o attachment

[redacted] [redacted]

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OFFICIAL COPY
AS FILED
NSP-W

# *1998, 1999 & 2000 Reliability Indices*

## *SAIFI, SAIDI, CAIDI*

# Compliance Filing for Wisconsin Administrative Code ch. PSC 113

# Explanation of Storm Normalization Process

There currently is no standard method or formula that utilities use to determine storm days. Some use a % of customers out in a given time frame. Others use more than a certain number of customer interruptions. Xcel Energy uses number of outages.

Normalization Process

First, we calculate the number of outages on each day in a certain region over the last 3 years. In Wisconsin's case we look at the number of outages for all 9 divisions as a whole. Next, we calculate what the average number of outages per day is as well as the standard deviation of outages per day. Finally, to determine the threshold for a storm day, we use the Average number of outages + 3 Standard Deviations.

For Example: In Wisconsin, the average number of outages per day is 16. The Standard Deviation is 24. Therefore, the threshold for a storm day is 16+(3*24) = 88.

# *Xcel Energy Wisconsin Reliability Indices for year 2000*

| System Aggregate Numbers *With Storms* | | | System Aggregate Numbers *Without Storms* | | |
|---|---|---|---|---|---|
| **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 1.31 | 131.71 | 172.38 | 1.03 | 94.81 | 97.34 |

| | Aggregate numbers by Operating Area *With Storms* | | | Aggregate numbers by Operating Area *Without Storms* | | |
|---|---|---|---|---|---|---|
| | **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 60 Indianhead – Amery | 1.48 | 175.60 | 259.38 | 0.92 | 88.69 | 81.68 |
| 61 Lakes-Rice Lake | 2.21 | 184.19 | 406.16 | 1.70 | 113.96 | 194.05 |
| 62 Lake Superior – Ashland | 1.55 | 149.55 | 231.81 | 1.26 | 113.10 | 142.33 |
| 63 Range – Ironwood | 2.28 | 98.57 | 225.16 | 2.05 | 93.31 | 190.89 |
| 64 Central East – Abbotsford | 1.10 | 138.33 | 152.63 | 0.66 | 111.67 | 73.78 |
| 65 Central Metro – Eau Claire | 0.90 | 107.44 | 96.45 | 0.74 | 80.03 | 58.85 |
| 66 Central West – Menomenie | 1.13 | 91.66 | 103.15 | 0.97 | 84.18 | 81.76 |
| 67 Southern – Blair/Sparta | 1.15 | 106.58 | 122.20 | 0.85 | 90.22 | 76.76 |
| 68 LaCrosse | 0.78 | 92.25 | 71.80 | 0.72 | 82.85 | 59.33 |

# *Year 2000 Reliability Indices*

## *With Storms*

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| | Grand Total | | 230145 | | 301211 | 39673258 | 1.31 | 131.71 | 172.38 |
| | 60 Total | | 30394 | | 44894 | 7883467 | 1.48 | 175.60 | 259.38 |
| | 61 Total | | 21506 | | 47424 | 8734815 | 2.21 | 184.19 | 406.16 |
| | 62 Total | | 17740 | | 27498 | 4112276 | 1.55 | 149.55 | 231.81 |
| | 63 Total | | 20404 | | 46608 | 4594063 | 2.28 | 98.57 | 225.16 |
| | 64 Total | | 17620 | | 19441 | 2689330 | 1.10 | 138.33 | 152.63 |
| | 65 Total | | 46418 | | 41668 | 4476835 | 0.90 | 107.44 | 96.45 |
| | 66 Total | | 16119 | | 18140 | 1662740 | 1.13 | 91.66 | 103.15 |
| | 67 Total | | 24120 | | 27656 | 2947541 | 1.15 | 106.58 | 122.20 |
| | 68 Total | | 35824 | | 27882 | 2572191 | 0.78 | 92.25 | 71.80 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AMY001 | WI | 60 | 563 | 8 | 1745 | 239957 | 3.10 | 137.51 | 426.21 |
| BAY021 | WI | 60 | 793 | 37 | 1166 | 255428 | 1.47 | 219.06 | 322.10 |
| BEA414 | WI | 60 | 820 | 29 | 551 | 41980 | 0.67 | 76.19 | 51.20 |
| BEA415 | WI | 60 | 377 | 9 | 301 | 18508 | 0.80 | 61.49 | 49.09 |
| CLL081 | WI | 60 | 486 | 12 | 133 | 18290 | 0.27 | 137.52 | 37.63 |
| CLL082 | WI | 60 | 397 | 1 | 1 | 41 | 0.00 | 41.00 | 0.10 |
| CUM081 | WI | 60 | 218 | 12 | 920 | 87272 | 4.22 | 94.86 | 400.33 |
| CUM082 | WI | 60 | 101 | 4 | 122 | 12522 | 1.21 | 102.64 | 123.98 |
| ELL021 | WI | 60 | 1027 | 24 | 1568 | 306204 | 1.53 | 195.28 | 298.15 |
| ELL022 | WI | 60 | 308 | 9 | 746 | 114379 | 2.42 | 153.32 | 371.36 |
| GLN393 | WI | 60 | 598 | 48 | 1081 | 199335 | 1.81 | 184.40 | 333.34 |
| GMT021 | WI | 60 | 197 | 20 | 1192 | 208877 | 6.05 | 175.23 | 1060.29 |
| GST021 | WI | 60 | 394 | 5 | 445 | 29311 | 1.13 | 65.87 | 74.39 |
| GST023 | WI | 60 | 565 | 13 | 142 | 20195 | 0.25 | 142.22 | 35.74 |
| KIN081 | WI | 60 | 361 | 21 | 1104 | 64367 | 3.06 | 58.30 | 178.30 |
| LKC081 | WI | 60 | 1221 | 40 | 1295 | 322356 | 1.06 | 248.92 | 264.01 |
| LUK021 | WI | 60 | 1017 | 27 | 1556 | 514081 | 1.53 | 330.39 | 505.49 |
| OPK010 | WI | 60 | 346 | 9 | 604 | 17680 | 1.75 | 29.27 | 51.10 |
| OPK011 | WI | 60 | 9 | 1 | 1 | 800 | 0.11 | 800.00 | 88.89 |
| OSC021 | WI | 60 | 1221 | 25 | 94 | 7673 | 0.08 | 81.63 | 6.28 |
| OSC022 | WI | 60 | 724 | 14 | 92 | 4965 | 0.13 | 53.97 | 6.86 |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRE021 | WI | 60 | 1204 | 27 | 921 | 165954 | 0.76 | 180.19 | 137.84 |
| PRE022 | WI | 60 | 663 | 8 | 49 | 6614 | 0.07 | 134.98 | 9.98 |
| RIC081 | WI | 60 | 1968 | 51 | 2072 | 363092 | 1.05 | 175.24 | 184.50 |
| RIC082 | WI | 60 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSH081 | WI | 60 | 1983 | 32 | 4018 | 127677 | 2.03 | 31.78 | 64.39 |
| RSH091 | WI | 60 | 943 | 27 | 2413 | 90771 | 2.56 | 37.62 | 96.26 |
| RSH092 | WI | 60 | 286 | 7 | 474 | 21553 | 1.66 | 45.47 | 75.36 |
| SCF024 | WI | 60 | 177 | 10 | 247 | 12078 | 1.40 | 48.90 | 68.24 |
| SCF025 | WI | 60 | 949 | 19 | 154 | 9092 | 0.16 | 59.04 | 9.58 |
| TUR021 | WI | 60 | 284 | 1 | 1 | 7 | 0.00 | 7.00 | 0.02 |
| TUR022 | WI | 60 | 341 | 11 | 67 | 24446 | 0.20 | 364.87 | 71.69 |
| TWT081 | WI | 60 | 1097 | 38 | 1422 | 141176 | 1.30 | 99.28 | 128.69 |
| WLR081 | WI | 60 | 604 | 23 | 293 | 74872 | 0.49 | 255.54 | 123.96 |
| WLR082 | WI | 60 | 2160 | 49 | 4269 | 1262572 | 1.98 | 295.75 | 584.52 |
| WLR091 | WI | 60 | 2216 | 37 | 437 | 75335 | 0.20 | 172.39 | 34.00 |
| WLR092 | WI | 60 | 3734 | 68 | 13198 | 3024007 | 3.53 | 229.13 | 809.86 |
| BIR021 | WI | 61 | 903 | 54 | 1745 | 343887 | 1.93 | 197.07 | 380.83 |
| BIR022 | WI | 61 | 565 | 23 | 1138 | 149599 | 2.01 | 131.46 | 264.78 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAB021 | WI | 61 | 470 | 38 | 2415 | 681575 | 5.14 | 282.23 | 1450.16 |
| CAB022 | WI | 61 | 468 | 33 | 2710 | 637365 | 5.79 | 235.19 | 1361.89 |
| CAB023 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CMR021 | WI | 61 | 1078 | 29 | 179 | 17990 | 0.17 | 100.50 | 16.69 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CON021 | WI | 61 | 310 | 21 | 882 | 75324 | 2.85 | 85.40 | 242.98 |
| DRM021 | WI | 61 | 193 | 8 | 839 | 159643 | 4.35 | 190.28 | 827.17 |
| EWA001 | WI | 61 | 3 | 1 | 3 | 552 | 1.00 | 184.00 | 184.00 |
| FIN021 | WI | 61 | 654 | 12 | 71 | 6601 | 0.11 | 92.97 | 10.09 |
| FIN022 | WI | 61 | 1917 | 148 | 6770 | 1716828 | 3.53 | 253.59 | 895.58 |
| HWD021 | WI | 61 | 531 | 14 | 175 | 35483 | 0.33 | 202.76 | 66.82 |
| HWD022 | WI | 61 | 658 | 28 | 493 | 129301 | 0.75 | 262.27 | 196.51 |
| HWK021 | WI | 61 | 224 | 7 | 711 | 78095 | 3.17 | 109.84 | 348.64 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OPY081 | WI | 61 | 580 | 30 | 973 | 81655 | 1.68 | 83.92 | 140.78 |
| PMP001 | WI | 61 | 6 | 1 | 6 | 36 | 1.00 | 6.00 | 6.00 |
| POK061 | WI | 61 | 782 | 20 | 1233 | 278842 | 1.58 | 226.15 | 356.58 |
| POK062 | WI | 61 | 877 | 21 | 136 | 30318 | 0.16 | 222.93 | 34.57 |
| RCL021 | WI | 61 | 51 | 1 | 14 | 1008 | 0.27 | 72.00 | 19.76 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCL031 | WI | 61 | 1356 | 86 | 1766 | 314187 | 1.30 | 177.91 | 231.70 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RID081 | WI | 61 | 525 | 23 | 1270 | 98680 | 2.42 | 77.70 | 187.96 |
| RID082 | WI | 61 | 735 | 35 | 3652 | 263490 | 4.97 | 72.15 | 358.49 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SLD021 | WI | 61 | 282 | 20 | 648 | 27241 | 2.30 | 42.04 | 96.60 |
| SND021 | WI | 61 | 2491 | 178 | 13619 | 2763617 | 5.47 | 202.92 | 1109.44 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TAD021 | WI | 61 | 335 | 12 | 474 | 110836 | 1.41 | 233.83 | 330.85 |
| THA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRL081 | WI | 61 | 1093 | 55 | 2537 | 471142 | 2.32 | 185.71 | 431.05 |
| TRL082 | WI | 61 | 82 | 6 | 218 | 35699 | 2.66 | 163.76 | 435.35 |
| WDM081 | WI | 61 | 746 | 38 | 1445 | 115378 | 1.94 | 79.85 | 154.66 |
| WTH001 | WI | 61 | 3 | 3 | 7 | 699 | 2.33 | 99.86 | 233.00 |
| WTL061 | WI | 61 | 1393 | 13 | 64 | 27629 | 0.05 | 431.70 | 19.83 |
| WTL062 | WI | 61 | 1127 | 22 | 296 | 19597 | 0.26 | 66.21 | 17.39 |
| YLR081 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| YLR082 | WI | 61 | 1062 | 35 | 935 | 62518 | 0.88 | 66.86 | 58.87 |
| AMC001 | WI | 62 | 3 | 2 | 6 | 1521 | 2.00 | 253.50 | 507.00 |
| AMC002 | WI | 62 | 3 | 1 | 3 | 1365 | 1.00 | 455.00 | 455.00 |
| BAV001 | WI | 62 | 731 | 6 | 31 | 2215 | 0.04 | 71.45 | 3.03 |
| BFT061 | WI | 62 | 557 | 9 | 240 | 37368 | 0.43 | 155.70 | 67.09 |
| BFT062 | WI | 62 | 424 | 3 | 130 | 4672 | 0.31 | 35.94 | 11.02 |
| BKD021 | WI | 62 | 285 | 15 | 616 | 91988 | 2.16 | 149.33 | 322.76 |
| BNT021 | WI | 62 | 466 | 24 | 1264 | 269263 | 2.71 | 213.02 | 577.82 |
| BYF021 | WI | 62 | 2131 | 82 | 6174 | 998681 | 2.90 | 161.76 | 468.64 |
| CRN001 | WI | 62 | 117 | 2 | 138 | 8556 | 1.18 | 62.00 | 73.13 |
| CTA021 | WI | 62 | 313 | 14 | 468 | 35497 | 1.50 | 75.85 | 113.41 |
| FAY001 | WI | 62 | 467 | 16 | 98 | 8351 | 0.21 | 85.21 | 17.88 |
| FLB010 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GDN021 | WI | 62 | 418 | 15 | 1342 | 284870 | 3.21 | 212.27 | 681.51 |
| GRV021 | WI | 62 | 106 | 4 | 212 | 58551 | 2.00 | 276.18 | 552.37 |
| HER001 | WI | 62 | 139 | 7 | 167 | 11086 | 1.20 | 66.38 | 79.76 |
| HWY021 | WI | 62 | 3 | 2 | 2 | 193 | 0.67 | 96.50 | 64.33 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LPA001 | WI | 62 | 3 | 1 | 3 | 156 | 1.00 | 52.00 | 52.00 |
| MLN001 | WI | 62 | 585 | 21 | 736 | 79491 | 1.26 | 108.00 | 135.88 |
| MNR021 | WI | 62 | 92 | 12 | 310 | 27858 | 3.37 | 89.86 | 302.80 |
| MNR022 | WI | 62 | 109 | 5 | 132 | 8229 | 1.21 | 62.34 | 75.50 |
| MSE021 | WI | 62 | 29 | 7 | 160 | 37246 | 5.52 | 232.79 | 1284.34 |
| NFO021 | WI | 62 | 1051 | 50 | 2341 | 666397 | 2.23 | 284.66 | 634.06 |
| NFO031 | WI | 62 | 1296 | 31 | 3076 | 447256 | 2.37 | 145.40 | 345.10 |
| OGE021 | WI | 62 | 171 | 3 | 6 | 435 | 0.04 | 72.50 | 2.54 |
| OLU021 | WI | 62 | 90 | 4 | 97 | 5833 | 1.08 | 60.13 | 64.81 |
| PHL021 | WI | 62 | 734 | 14 | 778 | 112732 | 1.06 | 144.90 | 153.59 |
| PHL031 | WI | 62 | 990 | 34 | 321 | 16131 | 0.32 | 50.25 | 16.29 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRN021 | WI | 62 | 764 | 32 | 779 | 147955 | 1.02 | 189.93 | 193.66 |
| PTW001 | WI | 62 | 302 | 10 | 342 | 20918 | 1.13 | 61.16 | 69.26 |
| RBL021 | WI | 62 | 134 | 6 | 23 | 1902 | 0.17 | 82.70 | 14.19 |
| RBL022 | WI | 62 | 173 | 7 | 406 | 46758 | 2.35 | 115.17 | 270.28 |
| RBL023 | WI | 62 | 668 | 25 | 409 | 62552 | 0.61 | 152.94 | 93.64 |
| SOE001 | WI | 62 | 500 | 3 | 3 | 109 | 0.01 | 36.33 | 0.22 |
| SQN001 | WI | 62 | 3 | 3 | 9 | 1218 | 3.00 | 135.33 | 406.00 |
| SST061 | WI | 62 | 542 | 16 | 1454 | 124494 | 2.68 | 85.62 | 229.69 |
| SST062 | WI | 62 | 586 | 9 | 1236 | 85400 | 2.11 | 69.09 | 145.73 |
| SVN001 | WI | 62 | 290 | 5 | 464 | 45642 | 1.60 | 98.37 | 157.39 |
| TST001 | WI | 62 | 300 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| VAV001 | WI | 62 | 282 | 7 | 7 | 748 | 0.02 | 106.86 | 2.65 |
| WBI021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WBN021 | WI | 62 | 831 | 4 | 949 | 49331 | 1.14 | 51.98 | 59.36 |
| WBN022 | WI | 62 | 435 | 10 | 566 | 31901 | 1.30 | 56.36 | 73.34 |
| WHR021 | WI | 62 | 147 | 11 | 427 | 48343 | 2.90 | 113.22 | 328.86 |
| WHR022 | WI | 62 | 218 | 15 | 659 | 106393 | 3.02 | 161.45 | 488.04 |
| WHR023 | WI | 62 | 236 | 28 | 914 | 122671 | 3.87 | 134.21 | 519.79 |
| ALN001 | WI | 63 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| AYR021 | WI | 63 | 812 | 12 | 392 | 17925 | 0.48 | 45.73 | 22.08 |
| AYR022 | WI | 63 | 872 | 38 | 1353 | 122176 | 1.55 | 90.30 | 140.11 |
| BES021 | WI | 63 | 1057 | 29 | 2688 | 102115 | 2.54 | 37.99 | 96.61 |
| BES022 | WI | 63 | 1082 | 15 | 2449 | 77014 | 2.26 | 31.45 | 71.18 |
| BLD021 | WI | 63 | 629 | 19 | 1246 | 107570 | 1.98 | 86.33 | 171.02 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CNR001 | WI | 63 | 3 | 2 | 12 | 366 | 4.00 | 30.50 | 122.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| GER001 | WI | 63 | 435 | 6 | 309 | 5261 | 0.71 | 17.03 | 12.09 |
| GLA021 | WI | 63 | 75 | 2 | 81 | 522 | 1.08 | 6.44 | 6.96 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 384 | 1.00 | 128.00 | 128.00 |
| HGN021 | WI | 63 | 6 | 2 | 12 | 366 | 2.00 | 30.50 | 61.00 |
| HUR021 | WI | 63 | 291 | 8 | 296 | 17341 | 1.02 | 58.58 | 59.59 |
| HUR022 | WI | 63 | 666 | 12 | 972 | 22165 | 1.46 | 22.80 | 33.28 |
| IHD021 | WI | 63 | 320 | 16 | 1231 | 85178 | 3.85 | 69.19 | 266.18 |
| IRB001 | WI | 63 | 149 | 1 | 8 | 784 | 0.05 | 98.00 | 5.26 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW001 | WI | 63 | 352 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW002 | WI | 63 | 561 | 11 | 2654 | 94933 | 4.73 | 35.77 | 169.22 |
| IRW003 | WI | 63 | 530 | 11 | 1118 | 30420 | 2.11 | 27.21 | 57.40 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW005 | WI | 63 | 588 | 11 | 1089 | 40481 | 1.85 | 37.17 | 68.85 |
| JKS021 | WI | 63 | 4 | 2 | 10 | 305 | 2.50 | 30.50 | 76.25 |
| LUP001 | WI | 63 | 3 | 1 | 3 | 18 | 1.00 | 6.00 | 6.00 |
| MCO001 | WI | 63 | 201 | 4 | 8 | 1648 | 0.04 | 206.00 | 8.20 |
| MCO021 | WI | 63 | 392 | 28 | 3212 | 494180 | 8.19 | 153.85 | 1260.66 |
| MCR021 | WI | 63 | 1668 | 95 | 4331 | 891450 | 2.60 | 205.83 | 534.44 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 165 | 1.00 | 55.00 | 55.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MNT001 | WI | 63 | 823 | 10 | 1249 | 14849 | 1.52 | 11.89 | 18.04 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MRC022 | WI | 63 | 1507 | 1 | 186 | 25482 | 0.12 | 137.00 | 16.91 |
| NRA001 | WI | 63 | 470 | 5 | 1000 | 14176 | 2.13 | 14.18 | 30.16 |
| NSI001 | WI | 63 | 628 | 12 | 1421 | 46310 | 2.26 | 32.59 | 73.74 |
| OJB021 | WI | 63 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PSI021 | WI | 63 | 1247 | 119 | 8943 | 1140866 | 7.17 | 127.57 | 914.89 |
| RMS001 | WI | 63 | 613 | 16 | 808 | 79513 | 1.32 | 98.41 | 129.71 |
| RTL021 | WI | 63 | 1034 | 95 | 2944 | 367356 | 2.85 | 124.78 | 355.28 |
| RTL022 | WI | 63 | 936 | 76 | 1998 | 502965 | 2.13 | 251.73 | 537.36 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUP021 | WI | 63 | 149 | 8 | 605 | 77476 | 4.06 | 128.06 | 519.97 |
| SXF021 | WI | 63 | 203 | 7 | 443 | 25942 | 2.18 | 58.56 | 127.79 |
| TLA001 | WI | 63 | 1 | 2 | 2 | 61 | 2.00 | 30.50 | 61.00 |
| TWN021 | WI | 63 | 691 | 24 | 1584 | 47748 | 2.29 | 30.14 | 69.10 |
| TWN022 | WI | 63 | 673 | 25 | 1939 | 136907 | 2.88 | 70.61 | 203.43 |
| UPS001 | WI | 63 | 45 | 1 | 1 | 103 | 0.02 | 103.00 | 2.29 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDB001 | WI | 63 | 7 | 5 | 5 | 1542 | 0.71 | 308.40 | 220.29 |
| BYD001 | WI | 64 | 312 | 28 | 876 | 92598 | 2.81 | 105.71 | 296.79 |
| CTS021 | WI | 64 | 718 | 17 | 1064 | 224040 | 1.48 | 210.56 | 312.03 |
| GLM021 | WI | 64 | 473 | 25 | 75 | 7104 | 0.16 | 94.72 | 15.02 |
| LKH010 | WI | 64 | 3 | 2 | 6 | 2754 | 2.00 | 459.00 | 918.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| LOY021 | WI | 64 | 958 | 18 | 103 | 9922 | 0.11 | 96.33 | 10.36 |
| LOY022 | WI | 64 | 748 | 14 | 702 | 264160 | 0.94 | 376.30 | 353.16 |
| LYN021 | WI | 64 | 253 | 14 | 41 | 5559 | 0.16 | 135.59 | 21.97 |
| LYN022 | WI | 64 | 415 | 15 | 117 | 19747 | 0.28 | 168.78 | 47.58 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV021 | WI | 64 | 984 | 6 | 2127 | 279118 | 2.16 | 131.23 | 283.66 |
| NLV031 | WI | 64 | 584 | 34 | 529 | 59905 | 0.91 | 113.24 | 102.58 |
| NLV032 | WI | 64 | 536 | 16 | 235 | 61714 | 0.44 | 262.61 | 115.14 |
| OWN021 | WI | 64 | 1229 | 35 | 3399 | 873486 | 2.77 | 256.98 | 710.73 |
| SPE021 | WI | 64 | 1001 | 16 | 264 | 38939 | 0.26 | 147.50 | 38.90 |
| STA081 | WI | 64 | 275 | 3 | 54 | 4662 | 0.20 | 86.33 | 16.95 |
| STA082 | WI | 64 | 701 | 15 | 452 | 48283 | 0.64 | 106.82 | 68.88 |
| STA083 | WI | 64 | 553 | 13 | 909 | 13754 | 1.64 | 15.13 | 24.87 |
| STN001 | WI | 64 | 41 | 1 | 15 | 1605 | 0.37 | 107.00 | 39.15 |
| STN002 | WI | 64 | 921 | 15 | 698 | 59963 | 0.76 | 85.91 | 65.11 |
| STN003 | WI | 64 | 381 | 4 | 362 | 29635 | 0.95 | 81.86 | 77.78 |
| TCN081 | WI | 64 | 2048 | 57 | 1528 | 231137 | 0.75 | 151.27 | 112.86 |
| TCN091 | WI | 64 | 941 | 48 | 779 | 174274 | 0.83 | 223.72 | 185.20 |
| TCN092 | WI | 64 | 2132 | 19 | 4618 | 125956 | 2.17 | 27.28 | 59.08 |
| TRP021 | WI | 64 | 499 | 35 | 200 | 17385 | 0.40 | 86.93 | 34.84 |
| TRP022 | WI | 64 | 911 | 11 | 288 | 43630 | 0.32 | 151.49 | 47.89 |
| AUG021 | WI | 65 | 309 | 18 | 55 | 6545 | 0.18 | 119.00 | 21.18 |
| AUG022 | WI | 65 | 690 | 6 | 83 | 11518 | 0.12 | 138.77 | 16.69 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD061 | WI | 65 | 49 | 7 | 109 | 15882 | 2.22 | 145.71 | 324.12 |
| CHF021 | WI | 65 | 641 | 10 | 645 | 62858 | 1.01 | 97.45 | 98.06 |
| CHF022 | WI | 65 | 1562 | 18 | 1944 | 204835 | 1.24 | 105.37 | 131.14 |
| CHF023 | WI | 65 | 0 | 15 | 956 | 82871 | 0.00 | 86.69 | 0.00 |
| CHF024 | WI | 65 | 1358 | 32 | 2343 | 203762 | 1.73 | 86.97 | 150.05 |
| CHF031 | WI | 65 | 420 | 12 | 246 | 11253 | 0.59 | 45.74 | 26.79 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CHF033 | WI | 65 | 559 | 12 | 1361 | 201631 | 2.43 | 148.15 | 360.70 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| EGP021 | WI | 65 | 2078 | 61 | 968 | 271166 | 0.47 | 280.13 | 130.49 |
| EGP022 | WI | 65 | 291 | 23 | 723 | 39160 | 2.48 | 54.16 | 134.57 |
| ELK001 | WI | 65 | 403 | 12 | 53 | 11062 | 0.13 | 208.72 | 27.45 |
| ELS021 | WI | 65 | 424 | 1 | 13 | 1807 | 0.03 | 139.00 | 4.26 |
| ELS022 | WI | 65 | 465 | 5 | 97 | 11182 | 0.21 | 115.28 | 24.05 |
| ELS023 | WI | 65 | 15 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELS024 | WI | 65 | 97 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELS027 | WI | 65 | 2100 | 41 | 1304 | 157831 | 0.62 | 121.04 | 75.16 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| ELS031 | WI | 65 | 743 | 7 | 431 | 161710 | 0.58 | 375.20 | 217.64 |
| ELS032 | WI | 65 | 1168 | 11 | 246 | 14356 | 0.21 | 58.36 | 12.29 |
| ELS033 | WI | 65 | 1488 | 29 | 476 | 44911 | 0.32 | 94.35 | 30.18 |
| ELS034 | WI | 65 | 282 | 2 | 2 | 191 | 0.01 | 95.50 | 0.68 |
| FLC097 | WI | 65 | 605 | 6 | 34 | 7685 | 0.06 | 226.03 | 12.70 |
| FOL001 | WI | 65 | 253 | 18 | 809 | 98105 | 3.20 | 121.27 | 387.77 |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HAL062 | WI | 65 | 1611 | 30 | 3927 | 307160 | 2.44 | 78.22 | 190.66 |
| HAL063 | WI | 65 | 1476 | 25 | 3973 | 626449 | 2.69 | 157.68 | 424.42 |
| HAL072 | WI | 65 | 1149 | 18 | 706 | 60024 | 0.61 | 85.02 | 52.24 |
| HAL073 | WI | 65 | 397 | 16 | 281 | 30746 | 0.71 | 109.42 | 77.45 |
| HYD021 | WI | 65 | 22 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD031 | WI | 65 | 56 | 2 | 2 | 724 | 0.04 | 362.00 | 12.93 |
| HYD032 | WI | 65 | 2398 | 64 | 6409 | 410968 | 2.67 | 64.12 | 171.38 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JIM021 | WI | 65 | 360 | 14 | 154 | 21986 | 0.43 | 142.77 | 61.07 |
| LON061 | WI | 65 | 1293 | 22 | 95 | 6816 | 0.07 | 71.75 | 5.27 |
| LON062 | WI | 65 | 455 | 8 | 130 | 8377 | 0.29 | 64.44 | 18.41 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LON071 | WI | 65 | 654 | 11 | 275 | 31777 | 0.42 | 115.55 | 48.59 |
| LON072 | WI | 65 | 666 | 5 | 134 | 11375 | 0.20 | 84.89 | 17.08 |
| MAD061 | WI | 65 | 315 | 6 | 13 | 1879 | 0.04 | 144.54 | 5.97 |
| MAD062 | WI | 65 | 930 | 12 | 37 | 3167 | 0.04 | 85.59 | 3.41 |
| MAD071 | WI | 65 | 733 | 16 | 149 | 8776 | 0.20 | 58.90 | 11.97 |
| MAD072 | WI | 65 | 2103 | 42 | 532 | 57195 | 0.25 | 107.51 | 27.20 |
| NAP021 | WI | 65 | 514 | 28 | 469 | 52053 | 0.91 | 110.99 | 101.27 |
| NAP022 | WI | 65 | 1398 | 19 | 340 | 49187 | 0.24 | 144.67 | 35.18 |
| OTC021 | WI | 65 | 460 | 19 | 773 | 56731 | 1.68 | 73.39 | 123.33 |
| OTC022 | WI | 65 | 1565 | 18 | 120 | 13486 | 0.08 | 112.38 | 8.62 |
| OTC023 | WI | 65 | 1369 | 23 | 3209 | 286299 | 2.34 | 89.22 | 209.13 |
| OTC031 | WI | 65 | 1697 | 42 | 561 | 130825 | 0.33 | 233.20 | 77.09 |
| OTC032 | WI | 65 | 1441 | 25 | 438 | 47576 | 0.30 | 108.62 | 33.02 |
| PRS563 | WI | 65 | 3 | 1 | 1 | 24 | 0.33 | 24.00 | 8.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RVW021 | WI | 65 | 81 | 1 | 15 | 4185 | 0.19 | 279.00 | 51.67 |
| SHW021 | WI | 65 | 262 | 15 | 503 | 25718 | 1.92 | 51.13 | 98.16 |
| STE471 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STM021 | WI | 65 | 520 | 10 | 51 | 6360 | 0.10 | 124.71 | 12.23 |
| STM022 | WI | 65 | 990 | 21 | 573 | 54883 | 0.58 | 95.78 | 55.44 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRX021 | WI | 65 | 953 | 46 | 1558 | 160187 | 1.63 | 102.82 | 168.09 |
| TRX022 | WI | 65 | 747 | 12 | 59 | 5104 | 0.08 | 86.51 | 6.83 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| TRX023 | WI | 65 | 0 | 5 | 58 | 4232 | 0.00 | 72.97 | 0.00 |
| TRX031 | WI | 65 | 74 | 7 | 11 | 1987 | 0.15 | 180.64 | 26.85 |
| TRX032 | WI | 65 | 1786 | 33 | 804 | 58103 | 0.45 | 72.27 | 32.53 |
| TRX033 | WI | 65 | 341 | 4 | 419 | 23021 | 1.23 | 54.94 | 67.51 |
| USR533 | WI | 65 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WIB569 | WI | 65 | 1235 | 43 | 1991 | 289134 | 1.61 | 145.22 | 234.12 |
| ALM559 | WI | 66 | 508 | 8 | 103 | 35700 | 0.20 | 346.60 | 70.28 |
| ALM560 | WI | 66 | 15 | 1 | 1 | 149 | 0.07 | 149.00 | 9.93 |
| ARK081 | WI | 66 | 80 | 9 | 9 | 863 | 0.11 | 95.89 | 10.79 |
| ARK082 | WI | 66 | 601 | 16 | 200 | 45253 | 0.33 | 226.27 | 75.30 |
| CEF081 | WI | 66 | 808 | 35 | 1005 | 71170 | 1.24 | 70.82 | 88.08 |
| COC021 | WI | 66 | 397 | 13 | 1354 | 178162 | 3.41 | 131.58 | 448.77 |
| DUR021 | WI | 66 | 482 | 5 | 48 | 4123 | 0.10 | 85.90 | 8.55 |
| DUR022 | WI | 66 | 1010 | 31 | 331 | 67021 | 0.33 | 202.48 | 66.36 |
| EGA021 | WI | 66 | 116 | 12 | 142 | 26809 | 1.22 | 188.80 | 231.11 |
| EGA022 | WI | 66 | 347 | 14 | 153 | 29005 | 0.44 | 189.58 | 83.59 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELM021 | WI | 66 | 218 | 15 | 261 | 53259 | 1.20 | 204.06 | 244.31 |
| ELM022 | WI | 66 | 585 | 12 | 163 | 27290 | 0.28 | 167.42 | 46.65 |
| HAY081 | WI | 66 | 645 | 15 | 781 | 108861 | 1.21 | 139.39 | 168.78 |
| HAY082 | WI | 66 | 1685 | 23 | 2438 | 89302 | 1.45 | 36.63 | 53.00 |
| MDR021 | WI | 66 | 148 | 13 | 153 | 26928 | 1.03 | 176.00 | 181.95 |
| MEN021 | WI | 66 | 872 | 25 | 307 | 26737 | 0.35 | 87.09 | 30.66 |
| MEN022 | WI | 66 | 1527 | 33 | 850 | 52945 | 0.56 | 62.29 | 34.67 |
| MEN023 | WI | 66 | 343 | 4 | 4 | 185 | 0.01 | 46.25 | 0.54 |
| MEN031 | WI | 66 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MEN032 | WI | 66 | 1779 | 40 | 1023 | 103590 | 0.58 | 101.26 | 58.23 |
| NEL021 | WI | 66 | 245 | 1 | 1 | 314 | 0.00 | 314.00 | 1.28 |
| PEP021 | WI | 66 | 897 | 35 | 3033 | 295625 | 3.38 | 97.47 | 329.57 |
| RCD022 | WI | 66 | 101 | 3 | 3 | 147 | 0.03 | 49.00 | 1.46 |
| RCD023 | WI | 66 | 887 | 27 | 2373 | 119458 | 2.68 | 50.34 | 134.68 |
| RCD024 | WI | 66 | 380 | 13 | 417 | 82213 | 1.10 | 197.15 | 216.35 |
| RCD031 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD032 | WI | 66 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD033 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSK021 | WI | 66 | 392 | 24 | 273 | 18052 | 0.70 | 66.12 | 46.05 |
| SPR021 | WI | 66 | 744 | 24 | 1707 | 68207 | 2.29 | 39.96 | 91.68 |
| WND081 | WI | 66 | 270 | 13 | 1007 | 131372 | 3.73 | 130.46 | 486.56 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC117 | WI | 67 | 295 | 6 | 936 | 44553 | 3.17 | 47.60 | 151.03 |
| ALC118 | WI | 67 | 324 | 19 | 381 | 22550 | 1.18 | 59.19 | 69.60 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA021 | WI | 67 | 671 | 23 | 893 | 159957 | 1.33 | 179.12 | 238.39 |
| BLA022 | WI | 67 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| BLA023 | WI | 67 | 557 | 9 | 138 | 20888 | 0.25 | 151.36 | 37.50 |
| CAT021 | WI | 67 | 484 | 34 | 1377 | 237490 | 2.85 | 172.47 | 490.68 |
| CPM021 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM022 | WI | 67 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM032 | WI | 67 | 617 | 2 | 6 | 414 | 0.01 | 69.00 | 0.67 |
| CPM033 | WI | 67 | 394 | 1 | 2 | 160 | 0.01 | 80.00 | 0.41 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CSH021 | WI | 67 | 122 | 6 | 6 | 863 | 0.05 | 143.83 | 7.07 |
| CSH022 | WI | 67 | 425 | 19 | 30 | 3940 | 0.07 | 131.33 | 9.27 |
| CVA021 | WI | 67 | 668 | 17 | 281 | 29879 | 0.42 | 106.33 | 44.73 |
| CVA022 | WI | 67 | 364 | 21 | 487 | 83087 | 1.34 | 170.61 | 228.26 |
| ETK021 | WI | 67 | 335 | 16 | 156 | 34823 | 0.47 | 223.22 | 103.95 |
| GAL021 | WI | 67 | 1238 | 48 | 2913 | 389952 | 2.35 | 133.87 | 314.99 |
| GVA021 | WI | 67 | 309 | 16 | 120 | 7869 | 0.39 | 65.58 | 25.47 |
| HAF001 | WI | 67 | 108 | 4 | 123 | 6670 | 1.14 | 54.23 | 61.76 |
| MER021 | WI | 67 | 754 | 12 | 2028 | 316064 | 2.69 | 155.85 | 419.18 |
| MLS021 | WI | 67 | 514 | 16 | 620 | 32900 | 1.21 | 53.06 | 64.01 |
| MLS022 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RKL021 | WI | 67 | 699 | 43 | 1935 | 154251 | 2.77 | 79.72 | 220.67 |
| SPA021 | WI | 67 | 175 | 8 | 108 | 8306 | 0.62 | 76.91 | 47.46 |
| SPA022 | WI | 67 | 1683 | 27 | 2132 | 59331 | 1.27 | 27.83 | 35.25 |
| SPA031 | WI | 67 | 1560 | 16 | 1715 | 64764 | 1.10 | 37.76 | 41.52 |
| SPA032 | WI | 67 | 1775 | 40 | 283 | 26672 | 0.16 | 94.25 | 15.03 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRE021 | WI | 67 | 18 | 3 | 6 | 808 | 0.33 | 134.67 | 44.89 |
| VIR002 | WI | 67 | 498 | 4 | 34 | 3498 | 0.07 | 102.88 | 7.02 |
| VIR003 | WI | 67 | 893 | 18 | 1169 | 26294 | 1.31 | 22.49 | 29.44 |
| VIR061 | WI | 67 | 1298 | 31 | 285 | 29409 | 0.22 | 103.19 | 22.66 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WHH022 | WI | 67 | 559 | 19 | 688 | 68652 | 1.23 | 99.78 | 122.81 |
| WHH023 | WI | 67 | 745 | 12 | 1312 | 300305 | 1.76 | 228.89 | 403.09 |
| WSM081 | WI | 67 | 1199 | 38 | 2954 | 502682 | 2.46 | 170.17 | 419.25 |
| WSM091 | WI | 67 | 1948 | 50 | 2930 | 172509 | 1.50 | 58.88 | 88.56 |
| WSM092 | WI | 67 | 1085 | 16 | 1608 | 138001 | 1.48 | 85.82 | 127.19 |
| COU061 | WI | 68 | 1561 | 13 | 92 | 7015 | 0.06 | 76.25 | 4.49 |
| COU062 | WI | 68 | 1371 | 22 | 404 | 38097 | 0.29 | 94.30 | 27.79 |
| COU068 | WI | 68 | 1874 | 30 | 696 | 150967 | 0.37 | 216.91 | 80.56 |
| COU069 | WI | 68 | 468 | 12 | 308 | 25293 | 0.66 | 82.12 | 54.04 |
| COU071 | WI | 68 | 1271 | 12 | 147 | 14478 | 0.12 | 98.49 | 11.39 |
| COU077 | WI | 68 | 1765 | 30 | 577 | 50660 | 0.33 | 87.80 | 28.70 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| COU078 | WI | 68 | 1211 | 9 | 72 | 2346 | 0.06 | 32.58 | 1.94 |
| COU079 | WI | 68 | 546 | 3 | 94 | 8138 | 0.17 | 86.57 | 14.90 |
| FEN061 | WI | 68 | 1182 | 16 | 470 | 36779 | 0.40 | 78.25 | 31.12 |
| FEN062 | WI | 68 | 483 | 3 | 21 | 5805 | 0.04 | 276.43 | 12.02 |
| FEN063 | WI | 68 | 597 | 2 | 2 | 95 | 0.00 | 47.50 | 0.16 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FEN072 | WI | 68 | 847 | 17 | 142 | 8656 | 0.17 | 60.96 | 10.22 |
| FEN073 | WI | 68 | 946 | 21 | 132 | 13087 | 0.14 | 99.14 | 13.83 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GEN197 | WI | 68 | 760 | 11 | 1386 | 318974 | 1.82 | 230.14 | 419.70 |
| GEN198 | WI | 68 | 268 | 6 | 1088 | 344389 | 4.06 | 316.53 | 1285.03 |
| HLA062 | WI | 68 | 1417 | 21 | 1748 | 100218 | 1.23 | 57.33 | 70.73 |
| HLA063 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HLA071 | WI | 68 | 1205 | 12 | 63 | 6732 | 0.05 | 106.86 | 5.59 |
| LAX062 | WI | 68 | 1845 | 30 | 422 | 56984 | 0.23 | 135.03 | 30.89 |
| LAX063 | WI | 68 | 1484 | 12 | 140 | 15541 | 0.09 | 111.01 | 10.47 |
| LAX065 | WI | 68 | 953 | 11 | 76 | 10257 | 0.08 | 134.96 | 10.76 |
| LAX067 | WI | 68 | 787 | 5 | 56 | 8030 | 0.07 | 143.39 | 10.20 |
| LAX074 | WI | 68 | 631 | 18 | 1157 | 42105 | 1.83 | 36.39 | 66.73 |
| LAX075 | WI | 68 | 1601 | 22 | 3781 | 221992 | 2.36 | 58.71 | 138.66 |
| LAX076 | WI | 68 | 1153 | 19 | 1374 | 66317 | 1.19 | 48.27 | 57.52 |
| LAX077 | WI | 68 | 1098 | 27 | 3742 | 313154 | 3.41 | 83.69 | 285.20 |
| MAF061 | WI | 68 | 269 | 3 | 35 | 1810 | 0.13 | 51.71 | 6.73 |
| MAF062 | WI | 68 | 46 | 1 | 9 | 1125 | 0.20 | 125.00 | 24.46 |
| MAF063 | WI | 68 | 1541 | 17 | 407 | 38859 | 0.26 | 95.48 | 25.22 |
| MAF071 | WI | 68 | 1043 | 19 | 2355 | 184032 | 2.26 | 78.15 | 176.44 |
| MAF072 | WI | 68 | 631 | 5 | 7 | 720 | 0.01 | 102.86 | 1.14 |
| ONA061 | WI | 68 | 2208 | 44 | 5296 | 401968 | 2.40 | 75.90 | 182.05 |
| ONA062 | WI | 68 | 939 | 20 | 1349 | 57473 | 1.44 | 42.60 | 61.21 |
| SWC061 | WI | 68 | 353 | 4 | 4 | 819 | 0.01 | 204.75 | 2.32 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SWC071 | WI | 68 | 255 | 5 | 43 | 5385 | 0.17 | 125.23 | 21.12 |
| SWC072 | WI | 68 | 1178 | 15 | 187 | 13891 | 0.16 | 74.28 | 11.79 |

# *Year 2000 Reliability Indices*

## *Storm Normalized*

## *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| | **Grand Total** | | 230145 | | 236291 | 22402651 | 1.03 | 94.81 | 97.34 |
| | **60 Total** | | 30394 | | 27993 | 2482603 | 0.92 | 88.69 | 81.68 |
| | **61 Total** | | 21506 | | 36622 | 4173266 | 1.70 | 113.96 | 194.05 |
| | 62 Total | | 17740 | | 22326 | 2524979 | 1.26 | 113.10 | 142.33 |
| | 63 Total | | 20404 | | 41741 | 3894904 | 2.05 | 93.31 | 190.89 |
| | 64 Total | | 17620 | | 11642 | 1300035 | 0.66 | 111.67 | 73.78 |
| | 65 Total | | 46418 | | 34134 | 2731858 | 0.74 | 80.03 | 58.85 |
| | 66 Total | | 16119 | | 15657 | 1317960 | 0.97 | 84.18 | 81.76 |
| | 67 Total | | 24120 | | 20521 | 1851435 | 0.85 | 90.22 | 76.76 |
| | 68 Total | | 35824 | | 25655 | 2125611 | 0.72 | 82.85 | 59.33 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AMY001 | WI | 60 | 563 | 7 | 1170 | 85282 | 2.08 | 72.89 | 151.48 |
| BAY021 | WI | 60 | 793 | 28 | 507 | 53508 | 0.64 | 105.54 | 67.48 |
| BEA414 | WI | 60 | 820 | 20 | 533 | 40595 | 0.65 | 76.16 | 49.51 |
| BEA415 | WI | 60 | 377 | 8 | 234 | 3366 | 0.62 | 14.38 | 8.93 |
| CLL081 | WI | 60 | 486 | 9 | 130 | 17701 | 0.27 | 136.16 | 36.42 |
| CLL082 | WI | 60 | 397 | 1 | 1 | 41 | 0.00 | 41.00 | 0.10 |
| CUM081 | WI | 60 | 218 | 6 | 580 | 28420 | 2.66 | 49.00 | 130.37 |
| CUM082 | WI | 60 | 101 | 1 | 107 | 5457 | 1.06 | 51.00 | 54.03 |
| ELL021 | WI | 60 | 1027 | 15 | 1210 | 229205 | 1.18 | 189.43 | 223.18 |
| ELL022 | WI | 60 | 308 | 2 | 337 | 70281 | 1.09 | 208.55 | 228.19 |
| GLN393 | WI | 60 | 598 | 48 | 1081 | 199335 | 1.81 | 184.40 | 333.34 |
| GMT021 | WI | 60 | 197 | 15 | 846 | 80485 | 4.29 | 95.14 | 408.55 |
| GST021 | WI | 60 | 394 | 5 | 445 | 29311 | 1.13 | 65.87 | 74.39 |
| GST023 | WI | 60 | 565 | 11 | 124 | 18950 | 0.22 | 152.82 | 33.54 |
| KIN081 | WI | 60 | 361 | 15 | 735 | 45601 | 2.04 | 62.04 | 126.32 |
| LKC081 | WI | 60 | 1221 | 26 | 839 | 199091 | 0.69 | 237.30 | 163.06 |
| LUK021 | WI | 60 | 1017 | 21 | 1294 | 316886 | 1.27 | 244.89 | 311.59 |
| OPK010 | WI | 60 | 346 | 9 | 604 | 17680 | 1.75 | 29.27 | 51.10 |
| OPK011 | WI | 60 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OSC021 | WI | 60 | 1221 | 20 | 78 | 3995 | 0.06 | 51.22 | 3.27 |
| OSC022 | WI | 60 | 724 | 11 | 58 | 3143 | 0.08 | 54.19 | 4.34 |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRE021 | WI | 60 | 1204 | 20 | 335 | 78441 | 0.28 | 234.15 | 65.15 |
| PRE022 | WI | 60 | 663 | 7 | 48 | 6572 | 0.07 | 136.92 | 9.91 |
| RIC081 | WI | 60 | 1968 | 35 | 494 | 41220 | 0.25 | 83.44 | 20.95 |
| RIC082 | WI | 60 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSH081 | WI | 60 | 1983 | 27 | 3933 | 113001 | 1.98 | 28.73 | 56.98 |
| RSH091 | WI | 60 | 943 | 18 | 2384 | 84794 | 2.53 | 35.57 | 89.92 |
| RSH092 | WI | 60 | 286 | 6 | 460 | 11725 | 1.61 | 25.49 | 41.00 |
| SCF024 | WI | 60 | 177 | 8 | 240 | 11641 | 1.36 | 48.50 | 65.77 |
| SCF025 | WI | 60 | 949 | 16 | 135 | 6793 | 0.14 | 50.32 | 7.16 |
| TUR021 | WI | 60 | 284 | 1 | 1 | 7 | 0.00 | 7.00 | 0.02 |
| TUR022 | WI | 60 | 341 | 8 | 35 | 1205 | 0.10 | 34.43 | 3.53 |
| TWT081 | WI | 60 | 1097 | 27 | 1246 | 103091 | 1.14 | 82.74 | 93.98 |
| WLR081 | WI | 60 | 604 | 12 | 202 | 15737 | 0.33 | 77.91 | 26.05 |
| WLR082 | WI | 60 | 2160 | 34 | 2316 | 283816 | 1.07 | 122.55 | 131.40 |
| WLR091 | WI | 60 | 2216 | 20 | 250 | 13325 | 0.11 | 53.30 | 6.01 |
| WLR092 | WI | 60 | 3734 | 47 | 5001 | 262902 | 1.34 | 52.57 | 70.41 |
| BIR021 | WI | 61 | 903 | 43 | 1552 | 286067 | 1.72 | 184.32 | 316.80 |
| BIR022 | WI | 61 | 565 | 17 | 1017 | 118856 | 1.80 | 116.87 | 210.36 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAB021 | WI | 61 | 470 | 32 | 1735 | 376532 | 3.69 | 217.02 | 801.13 |
| CAB022 | WI | 61 | 468 | 30 | 2136 | 390324 | 4.56 | 182.74 | 834.03 |
| CAB023 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CMR021 | WI | 61 | 1078 | 24 | 121 | 13848 | 0.11 | 114.45 | 12.85 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CON021 | WI | 61 | 310 | 15 | 830 | 44996 | 2.68 | 54.21 | 145.15 |
| DRM021 | WI | 61 | 193 | 7 | 641 | 64603 | 3.32 | 100.78 | 334.73 |
| EWA001 | WI | 61 | 3 | 1 | 3 | 552 | 1.00 | 184.00 | 184.00 |
| FIN021 | WI | 61 | 654 | 11 | 70 | 6477 | 0.11 | 92.53 | 9.90 |
| FIN022 | WI | 61 | 1917 | 115 | 4267 | 488016 | 2.23 | 114.37 | 254.57 |
| HWD021 | WI | 61 | 531 | 11 | 121 | 21189 | 0.23 | 175.12 | 39.90 |
| HWD022 | WI | 61 | 658 | 18 | 147 | 38734 | 0.22 | 263.50 | 58.87 |
| HWK021 | WI | 61 | 224 | 7 | 711 | 78095 | 3.17 | 109.84 | 348.64 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OPY081 | WI | 61 | 580 | 23 | 857 | 65550 | 1.48 | 76.49 | 113.02 |
| PMP001 | WI | 61 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| POK061 | WI | 61 | 782 | 14 | 371 | 67824 | 0.47 | 182.81 | 86.73 |
| POK062 | WI | 61 | 877 | 18 | 55 | 15390 | 0.06 | 279.82 | 17.55 |
| RCL021 | WI | 61 | 51 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCL031 | WI | 61 | 1356 | 60 | 974 | 114151 | 0.72 | 117.20 | 84.18 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RID081 | WI | 61 | 525 | 18 | 1155 | 59067 | 2.20 | 51.14 | 112.51 |
| RID082 | WI | 61 | 735 | 26 | 3533 | 248420 | 4.81 | 70.31 | 337.99 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SLD021 | WI | 61 | 282 | 16 | 636 | 25220 | 2.26 | 39.65 | 89.43 |
| SND021 | WI | 61 | 2491 | 151 | 11045 | 1212943 | 4.43 | 109.82 | 486.93 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TAD021 | WI | 61 | 335 | 7 | 349 | 56506 | 1.04 | 161.91 | 168.67 |
| THA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRL081 | WI | 61 | 1093 | 39 | 1549 | 159774 | 1.42 | 103.15 | 146.18 |
| TRL082 | WI | 61 | 82 | 5 | 118 | 10199 | 1.44 | 86.43 | 124.38 |
| WDM081 | WI | 61 | 746 | 31 | 1397 | 108018 | 1.87 | 77.32 | 144.80 |
| WTH001 | WI | 61 | 3 | 3 | 7 | 699 | 2.33 | 99.86 | 233.00 |
| WTL061 | WI | 61 | 1393 | 9 | 52 | 22384 | 0.04 | 430.46 | 16.07 |
| WTL062 | WI | 61 | 1127 | 22 | 296 | 19597 | 0.26 | 66.21 | 17.39 |
| YLR081 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| YLR082 | WI | 61 | 1062 | 33 | 877 | 59235 | 0.83 | 67.54 | 55.78 |
| AMC001 | WI | 62 | 3 | 2 | 6 | 1521 | 2.00 | 253.50 | 507.00 |
| AMC002 | WI | 62 | 3 | 1 | 3 | 1365 | 1.00 | 455.00 | 455.00 |
| BAV001 | WI | 62 | 731 | 6 | 31 | 2215 | 0.04 | 71.45 | 3.03 |
| BFT061 | WI | 62 | 557 | 9 | 240 | 37368 | 0.43 | 155.70 | 67.09 |
| BFT062 | WI | 62 | 424 | 3 | 130 | 4672 | 0.31 | 35.94 | 11.02 |
| BKD021 | WI | 62 | 285 | 15 | 616 | 91988 | 2.16 | 149.33 | 322.76 |
| BNT021 | WI | 62 | 466 | 12 | 1094 | 160326 | 2.35 | 146.55 | 344.05 |
| BYF021 | WI | 62 | 2131 | 75 | 5462 | 637626 | 2.56 | 116.74 | 299.21 |
| CRN001 | WI | 62 | 117 | 2 | 138 | 8556 | 1.18 | 62.00 | 73.13 |
| CTA021 | WI | 62 | 313 | 11 | 415 | 23352 | 1.33 | 56.27 | 74.61 |
| FAY001 | WI | 62 | 467 | 16 | 98 | 8351 | 0.21 | 85.21 | 17.88 |
| FLB010 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

## *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GDN021 | WI | 62 | 418 | 9 | 1231 | 256072 | 2.94 | 208.02 | 612.61 |
| GRV021 | WI | 62 | 106 | 2 | 106 | 8084 | 1.00 | 76.26 | 76.26 |
| HER001 | WI | 62 | 139 | 5 | 165 | 10579 | 1.19 | 64.12 | 76.11 |
| HWY021 | WI | 62 | 3 | 2 | 2 | 193 | 0.67 | 96.50 | 64.33 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LPA001 | WI | 62 | 3 | 1 | 3 | 156 | 1.00 | 52.00 | 52.00 |
| MLN001 | WI | 62 | 585 | 16 | 695 | 51357 | 1.19 | 73.89 | 87.79 |
| MNR021 | WI | 62 | 92 | 9 | 109 | 6613 | 1.18 | 60.67 | 71.88 |
| MNR022 | WI | 62 | 109 | 5 | 132 | 8229 | 1.21 | 62.34 | 75.50 |
| MSE021 | WI | 62 | 29 | 6 | 130 | 18166 | 4.48 | 139.74 | 626.41 |
| NFO021 | WI | 62 | 1051 | 34 | 1659 | 238424 | 1.58 | 143.72 | 226.85 |
| NFO031 | WI | 62 | 1296 | 20 | 1205 | 175917 | 0.93 | 145.99 | 135.74 |
| OGE021 | WI | 62 | 171 | 3 | 6 | 435 | 0.04 | 72.50 | 2.54 |
| OLU021 | WI | 62 | 90 | 4 | 97 | 5833 | 1.08 | 60.13 | 64.81 |
| PHL021 | WI | 62 | 734 | 12 | 776 | 112006 | 1.06 | 144.34 | 152.60 |
| PHL031 | WI | 62 | 990 | 34 | 321 | 16131 | 0.32 | 50.25 | 16.29 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRN021 | WI | 62 | 764 | 26 | 395 | 26173 | 0.52 | 66.26 | 34.26 |
| PTW001 | WI | 62 | 302 | 7 | 339 | 20052 | 1.12 | 59.15 | 66.40 |
| RBL021 | WI | 62 | 134 | 6 | 23 | 1902 | 0.17 | 82.70 | 14.19 |
| RBL022 | WI | 62 | 173 | 4 | 35 | 4788 | 0.20 | 136.80 | 27.68 |
| RBL023 | WI | 62 | 668 | 18 | 319 | 52527 | 0.48 | 164.66 | 78.63 |
| SOE001 | WI | 62 | 500 | 3 | 3 | 109 | 0.01 | 36.33 | 0.22 |
| SQN001 | WI | 62 | 3 | 3 | 9 | 1218 | 3.00 | 135.33 | 406.00 |
| SST061 | WI | 62 | 542 | 16 | 1454 | 124494 | 2.68 | 85.62 | 229.69 |
| SST062 | WI | 62 | 586 | 8 | 1219 | 84788 | 2.08 | 69.56 | 144.69 |
| SVN001 | WI | 62 | 290 | 4 | 463 | 44772 | 1.60 | 96.70 | 154.39 |
| TST001 | WI | 62 | 300 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| VAV001 | WI | 62 | 282 | 7 | 7 | 748 | 0.02 | 106.86 | 2.65 |
| WBI021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WBN021 | WI | 62 | 831 | 4 | 949 | 49331 | 1.14 | 51.98 | 59.36 |
| WBN022 | WI | 62 | 435 | 9 | 531 | 28786 | 1.22 | 54.21 | 66.17 |
| WHR021 | WI | 62 | 147 | 10 | 426 | 47766 | 2.90 | 112.13 | 324.94 |
| WHR022 | WI | 62 | 218 | 14 | 579 | 70953 | 2.66 | 122.54 | 325.47 |
| WHR023 | WI | 62 | 236 | 22 | 705 | 81037 | 2.99 | 114.95 | 343.38 |
| ALN001 | WI | 63 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| AYR021 | WI | 63 | 812 | 11 | 362 | 16095 | 0.45 | 44.46 | 19.82 |
| AYR022 | WI | 63 | 872 | 31 | 1253 | 105998 | 1.44 | 84.60 | 121.56 |
| BES021 | WI | 63 | 1057 | 25 | 2659 | 98091 | 2.52 | 36.89 | 92.80 |
| BES022 | WI | 63 | 1082 | 13 | 2422 | 74505 | 2.24 | 30.76 | 68.86 |
| BLD021 | WI | 63 | 629 | 18 | 1245 | 107505 | 1.98 | 86.35 | 170.91 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CNR001 | WI | 63 | 3 | 2 | 12 | 366 | 4.00 | 30.50 | 122.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| GER001 | WI | 63 | 435 | 6 | 309 | 5261 | 0.71 | 17.03 | 12.09 |
| GLA021 | WI | 63 | 75 | 2 | 81 | 522 | 1.08 | 6.44 | 6.96 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 384 | 1.00 | 128.00 | 128.00 |
| HGN021 | WI | 63 | 6 | 2 | 12 | 366 | 2.00 | 30.50 | 61.00 |
| HUR021 | WI | 63 | 291 | 5 | 223 | 10840 | 0.77 | 48.61 | 37.25 |
| HUR022 | WI | 63 | 666 | 12 | 972 | 22165 | 1.46 | 22.80 | 33.28 |
| IHD021 | WI | 63 | 320 | 14 | 997 | 58619 | 3.12 | 58.80 | 183.18 |
| IRB001 | WI | 63 | 149 | 1 | 8 | 784 | 0.05 | 98.00 | 5.26 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW001 | WI | 63 | 352 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW002 | WI | 63 | 561 | 9 | 2052 | 88888 | 3.66 | 43.32 | 158.45 |
| IRW003 | WI | 63 | 530 | 6 | 552 | 22737 | 1.04 | 41.19 | 42.90 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW005 | WI | 63 | 588 | 10 | 565 | 21093 | 0.96 | 37.33 | 35.87 |
| JKS021 | WI | 63 | 4 | 2 | 10 | 305 | 2.50 | 30.50 | 76.25 |
| LUP001 | WI | 63 | 3 | 1 | 3 | 18 | 1.00 | 6.00 | 6.00 |
| MCO001 | WI | 63 | 201 | 4 | 8 | 1648 | 0.04 | 206.00 | 8.20 |
| MCO021 | WI | 63 | 392 | 26 | 3130 | 478326 | 7.98 | 152.82 | 1220.22 |
| MCR021 | WI | 63 | 1668 | 82 | 3599 | 565022 | 2.16 | 156.99 | 338.74 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 165 | 1.00 | 55.00 | 55.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MNT001 | WI | 63 | 823 | 8 | 947 | 10601 | 1.15 | 11.19 | 12.88 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MRC022 | WI | 63 | 1507 | 1 | 186 | 25482 | 0.12 | 137.00 | 16.91 |
| NRA001 | WI | 63 | 470 | 4 | 991 | 12565 | 2.11 | 12.68 | 26.73 |
| NSI001 | WI | 63 | 628 | 12 | 1421 | 46310 | 2.26 | 32.59 | 73.74 |
| OJB021 | WI | 63 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PSI021 | WI | 63 | 1247 | 105 | 8715 | 1115166 | 6.99 | 127.96 | 894.28 |
| RMS001 | WI | **63** | 613 | 16 | 808 | 79513 | 1.32 | 98.41 | 129.71 |
| RTL021 | WI | 63 | 1034 | 82 | 2032 | 297054 | 1.97 | 146.19 | 287.29 |
| RTL022 | WI | 63 | 936 | 65 | 1587 | 339030 | 1.70 | 213.63 | 362.21 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUP021 | WI | 63 | 149 | 7 | 604 | 77403 | 4.05 | 128.15 | 519.48 |
| SXF021 | WI | 63 | 203 | 7 | 443 | 25942 | 2.18 | 58.56 | 127.79 |
| TLA001 | WI | 63 | 1 | 2 | 2 | 61 | 2.00 | 30.50 | 61.00 |
| TWN021 | WI | 63 | 691 | 22 | 1582 | 47603 | 2.29 | 30.09 | 68.89 |
| TWN022 | WI | 63 | 673 | 23 | 1937 | 136826 | 2.88 | 70.64 | 203.31 |
| UPS001 | WI | 63 | 45 | 1 | 1 | 103 | 0.02 | 103.00 | 2.29 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDB001 | WI | 63 | 7 | 5 | 5 | 1542 | 0.71 | 308.40 | 220.29 |
| BYD001 | WI | **64** | 312 | 21 | 336 | 41603 | 1.08 | 123.82 | 133.34 |
| CTS021 | WI | 64 | 718 | 10 | 888 | 125695 | 1.24 | 141.55 | 175.06 |
| GLM021 | WI | 64 | 473 | 19 | 69 | 6141 | 0.15 | 89.00 | 12.98 |
| LKH010 | WI | 64 | 3 | 1 | 3 | 1584 | 1.00 | 528.00 | 528.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

## *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| LOY021 | WI | 64 | 958 | 16 | 96 | 7884 | 0.10 | 82.13 | 8.23 |
| LOY022 | WI | 64 | 748 | 10 | 205 | 13479 | 0.27 | 65.75 | 18.02 |
| LYN021 | WI | 64 | 253 | 13 | 40 | 5292 | 0.16 | 132.30 | 20.92 |
| LYN022 | WI | 64 | 415 | 14 | 76 | 7324 | 0.18 | 96.37 | 17.65 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV021 | WI | 64 | 984 | 5 | 2126 | 278871 | 2.16 | 131.17 | 283.41 |
| NLV031 | WI | 64 | 584 | 21 | 444 | 40737 | 0.76 | 91.75 | 69.76 |
| NLV032 | WI | 64 | 536 | 12 | 184 | 31309 | 0.34 | 170.16 | 58.41 |
| OWN021 | WI | 64 | 1229 | 25 | 1992 | 384034 | 1.62 | 192.79 | 312.48 |
| SPE021 | WI | 64 | 1001 | 12 | 124 | 19600 | 0.12 | 158.06 | 19.58 |
| STA081 | WI | 64 | 275 | 3 | 54 | 4662 | 0.20 | 86.33 | 16.95 |
| STA082 | WI | 64 | 701 | 9 | 142 | 13886 | 0.20 | 97.79 | 19.81 |
| STA083 | WI | 64 | 553 | 7 | 21 | 1519 | 0.04 | 72.33 | 2.75 |
| STN001 | WI | 64 | 41 | 1 | 15 | 1605 | 0.37 | 107.00 | 39.15 |
| STN002 | WI | 64 | 921 | 15 | 698 | 59963 | 0.76 | 85.91 | 65.11 |
| STN003 | WI | 64 | 381 | 4 | 362 | 29635 | 0.95 | 81.86 | 77.78 |
| TCN081 | WI | 64 | 2048 | 39 | 806 | 107429 | 0.39 | 133.29 | 52.46 |
| TCN091 | WI | 64 | 941 | 33 | 277 | 33753 | 0.29 | 121.85 | 35.87 |
| TCN092 | WI | 64 | 2132 | 16 | 2371 | 62952 | 1.11 | 26.55 | 29.53 |
| TRP021 | WI | 64 | 499 | 24 | 117 | 7785 | 0.23 | 66.54 | 15.60 |
| TRP022 | WI | 64 | 911 | 9 | 196 | 13293 | 0.22 | 67.82 | 14.59 |
| AUG021 | WI | 65 | 309 | 10 | 11 | 1299 | 0.04 | 118.09 | 4.20 |
| AUG022 | WI | 65 | 690 | 3 | 75 | 10107 | 0.11 | 134.76 | 14.65 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD061 | WI | 65 | 49 | 6 | 57 | 12710 | 1.16 | 222.98 | 259.39 |
| CHF021 | WI | 65 | 641 | 5 | 627 | 61115 | 0.98 | 97.47 | 95.34 |
| CHF022 | WI | 65 | 1562 | 14 | 1868 | 181913 | 1.20 | 97.38 | 116.46 |
| CHF023 | WI | 65 | 0 | 10 | 951 | 82143 | 0.00 | 86.38 | 0.00 |
| CHF024 | WI | 65 | 1358 | 26 | 2125 | 160113 | 1.56 | 75.35 | 117.90 |
| CHF031 | WI | 65 | 420 | 9 | 123 | 3153 | 0.29 | 25.63 | 7.51 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CHF033 | WI | 65 | 559 | 8 | 741 | 135868 | 1.33 | 183.36 | 243.06 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| EGP021 | WI | 65 | 2078 | 38 | 313 | 24821 | 0.15 | 79.30 | 11.94 |
| EGP022 | WI | 65 | 291 | 12 | 98 | 4483 | 0.34 | 45.74 | 15.41 |
| ELK001 | WI | 65 | 403 | 8 | 14 | 1895 | 0.03 | 135.36 | 4.70 |
| ELS021 | WI | 65 | 424 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELS022 | WI | 65 | 465 | 4 | 96 | 11079 | 0.21 | 115.41 | 23.83 |
| ELS023 | WI | 65 | 15 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELS024 | WI | 65 | 97 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELS027 | WI | 65 | 2100 | 26 | 757 | 70958 | 0.36 | 93.74 | 33.79 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| ELS031 | WI | 65 | 743 | 4 | 28 | 4081 | 0.04 | 145.75 | 5.49 |
| ELS032 | WI | 65 | 1168 | 8 | 225 | 12109 | 0.19 | 53.82 | 10.37 |
| ELS033 | WI | 65 | 1488 | 21 | 312 | 21882 | 0.21 | 70.13 | 14.71 |
| ELS034 | WI | 65 | 282 | 2 | 2 | 191 | 0.01 | 95.50 | 0.68 |
| FLC097 | WI | 65 | 605 | 4 | 18 | 2002 | 0.03 | 111.22 | 3.31 |
| FOL001 | WI | 65 | 253 | 18 | 809 | 98105 | 3.20 | 121.27 | 387.77 |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HAL062 | WI | 65 | 1611 | 24 | 3918 | 304748 | 2.43 | 77.78 | 189.17 |
| HAL063 | WI | 65 | 1476 | 20 | 3330 | 222870 | 2.26 | 66.93 | 151.00 |
| HAL072 | WI | 65 | 1149 | 14 | 482 | 33317 | 0.42 | 69.12 | 29.00 |
| HAL073 | WI | 65 | 397 | 13 | 135 | 13526 | 0.34 | 100.19 | 34.07 |
| HYD021 | WI | 65 | 22 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD031 | WI | 65 | 56 | 2 | 2 | 724 | 0.04 | 362.00 | 12.93 |
| HYD032 | WI | 65 | 2398 | 51 | 5971 | 325258 | 2.49 | 54.47 | 135.64 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JIM021 | WI | 65 | 360 | 10 | 67 | 3583 | 0.19 | 53.48 | 9.95 |
| LON061 | WI | 65 | 1293 | 21 | 94 | 6774 | 0.07 | 72.06 | 5.24 |
| LON062 | WI | 65 | 455 | 8 | 130 | 8377 | 0.29 | 64.44 | 18.41 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LON071 | WI | 65 | 654 | 10 | 267 | 31257 | 0.41 | 117.07 | 47.79 |
| LON072 | WI | 65 | 666 | 5 | 134 | 11375 | 0.20 | 84.89 | 17.08 |
| MAD061 | WI | 65 | 315 | 4 | 9 | 861 | 0.03 | 95.67 | 2.73 |
| MAD062 | WI | 65 | 930 | 11 | 36 | 3092 | 0.04 | 85.89 | 3.32 |
| MAD071 | WI | 65 | 733 | 12 | 67 | 2385 | 0.09 | 35.60 | 3.25 |
| MAD072 | WI | 65 | 2103 | 35 | 406 | 23552 | 0.19 | 58.01 | 11.20 |
| NAP021 | WI | 65 | 514 | 23 | 463 | 51200 | 0.90 | 110.58 | 99.61 |
| NAP022 | WI | 65 | 1398 | 14 | 96 | 18518 | 0.07 | 192.90 | 13.25 |
| OTC021 | WI | 65 | 460 | 17 | 726 | 50428 | 1.58 | 69.46 | 109.63 |
| OTC022 | WI | 65 | 1565 | 16 | 118 | 13283 | 0.08 | 112.57 | 8.49 |
| OTC023 | WI | 65 | 1369 | 17 | 2911 | 226330 | 2.13 | 77.75 | 165.33 |
| OTC031 | WI | 65 | 1697 | 32 | 441 | 91614 | 0.26 | 207.74 | 53.99 |
| OTC032 | WI | 65 | 1441 | 24 | 437 | 47485 | 0.30 | 108.66 | 32.95 |
| PRS563 | WI | 65 | 3 | 1 | 1 | 24 | 0.33 | 24.00 | 8.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RVW021 | WI | 65 | 81 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SHW021 | WI | 65 | 262 | 12 | 480 | 21687 | 1.83 | 45.18 | 82.77 |
| STE471 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STM021 | WI | 65 | 520 | 8 | 49 | 6144 | 0.09 | 125.39 | 11.82 |
| STM022 | WI | 65 | 990 | 15 | 511 | 45430 | 0.52 | 88.90 | 45.89 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRX021 | WI | 65 | 953 | 30 | 1287 | 52148 | 1.35 | 40.52 | 54.72 |
| TRX022 | WI | 65 | 747 | 12 | 59 | 5104 | 0.08 | 86.51 | 6.83 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| TRX023 | WI | 65 | 0 | 4 | 41 | 3059 | 0.00 | 74.61 | 0.00 |
| TRX031 | WI | 65 | 74 | 6 | 6 | 522 | 0.08 | 87.00 | 7.05 |
| TRX032 | WI | 65 | 1786 | 28 | 368 | 33030 | 0.21 | 89.76 | 18.49 |
| TRX033 | WI | 65 | 341 | 4 | 419 | 23021 | 1.23 | 54.94 | 67.51 |
| USR533 | WI | 65 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WIB569 | WI | 65 | 1235 | 31 | 1423 | 151105 | 1.15 | 106.19 | 122.35 |
| ALM559 | WI | 66 | 508 | 7 | 37 | 4878 | 0.07 | 131.84 | 9.60 |
| ALM560 | WI | 66 | 15 | 1 | 1 | 149 | 0.07 | 149.00 | 9.93 |
| ARK081 | WI | 66 | 80 | 5 | 5 | 540 | 0.06 | 108.00 | 6.75 |
| ARK082 | WI | 66 | 601 | 10 | 188 | 42866 | 0.31 | 228.01 | 71.32 |
| CEF081 | WI | 66 | 808 | 25 | 941 | 61723 | 1.16 | 65.59 | 76.39 |
| COC021 | WI | 66 | 397 | 10 | 1290 | 167776 | 3.25 | 130.06 | 422.61 |
| DUR021 | WI | 66 | 482 | 5 | 48 | 4123 | 0.10 | 85.90 | 8.55 |
| DUR022 | WI | **66** | 1010 | 27 | 70 | 10612 | 0.07 | 151.60 | 10.51 |
| EGA021 | WI | 66 | 116 | 9 | 56 | 5050 | 0.48 | 90.18 | 43.53 |
| EGA022 | WI | 66 | 347 | 11 | 43 | 4653 | 0.12 | 108.21 | 13.41 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELM021 | WI | 66 | 218 | 10 | 188 | 34701 | 0.86 | 184.58 | 159.18 |
| ELM022 | WI | 66 | 585 | 8 | 83 | 13275 | 0.14 | 159.94 | 22.69 |
| HAY081 | WI | 66 | 645 | 12 | 599 | 96267 | 0.93 | 160.71 | 149.25 |
| HAY082 | WI | 66 | 1685 | 21 | 2426 | 86875 | 1.44 | 35.81 | 51.56 |
| MDR021 | WI | 66 | 148 | 6 | 60 | 3563 | 0.41 | 59.38 | 24.07 |
| MEN021 | WI | 66 | 872 | 23 | 276 | 20306 | 0.32 | 73.57 | 23.29 |
| MEN022 | WI | 66 | 1527 | 28 | 839 | 52353 | 0.55 | 62.40 | 34.28 |
| MEN023 | WI | 66 | 343 | 4 | 4 | 185 | 0.01 | 46.25 | 0.54 |
| MEN031 | WI | 66 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MEN032 | WI | 66 | 1779 | 39 | 1022 | 103441 | 0.57 | 101.21 | 58.15 |
| NEL021 | WI | 66 | 245 | 1 | 1 | 314 | 0.00 | 314.00 | 1.28 |
| PEP021 | WI | 66 | 897 | 30 | 2049 | 264811 | 2.28 | 129.24 | 295.22 |
| RCD022 | WI | 66 | 101 | 3 | 3 | 147 | 0.03 | 49.00 | 1.46 |
| RCD023 | WI | 66 | 887 | 23 | 2284 | 111189 | 2.57 | 48.68 | 125.35 |
| RCD024 | WI | 66 | 380 | 10 | 195 | 14048 | 0.51 | 72.04 | 36.97 |
| RCD031 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD032 | WI | 66 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD033 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSK021 | WI | 66 | 392 | 17 | 266 | 17153 | 0.68 | 64.48 | 43.76 |
| SPR021 | WI | 66 | 744 | 18 | 1680 | 66099 | 2.26 | 39.34 | 88.84 |
| WND081 | WI | 66 | 270 | 9 | 1003 | 130863 | 3.71 | 130.47 | 484.68 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC117 | WI | 67 | 295 | 6 | 936 | 44553 | 3.17 | 47.60 | 151.03 |
| ALC118 | WI | 67 | 324 | 16 | 378 | 21961 | 1.17 | 58.10 | 67.78 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA021 | WI | 67 | 671 | 17 | 125 | 16498 | 0.19 | 131.98 | 24.59 |
| BLA022 | WI | 67 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

## *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| BLA023 | WI | 67 | 557 | 8 | 131 | 18242 | 0.24 | 139.25 | 32.75 |
| CAT021 | WI | 67 | 484 | 21 | 245 | 27251 | 0.51 | 111.23 | 56.30 |
| CPM021 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM022 | WI | 67 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM032 | WI | 67 | 617 | 2 | 6 | 414 | 0.01 | 69.00 | 0.67 |
| CPM033 | WI | 67 | 394 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CSH021 | WI | 67 | 122 | 5 | 5 | 569 | 0.04 | 113.80 | 4.66 |
| CSH022 | WI | 67 | 425 | 18 | 27 | 3136 | 0.06 | 116.15 | 7.38 |
| CVA021 | WI | 67 | 668 | 14 | 278 | 29519 | 0.42 | 106.18 | 44.19 |
| CVA022 | WI | 67 | 364 | 21 | 487 | 83087 | 1.34 | 170.61 | 228.26 |
| ETK021 | WI | 67 | 335 | 10 | 31 | 3551 | 0.09 | 114.55 | 10.60 |
| GAL021 | WI | 67 | 1238 | 38 | 2859 | 382157 | 2.31 | 133.67 | 308.69 |
| GVA021 | WI | 67 | 309 | 14 | 118 | 7596 | 0.38 | 64.37 | 24.58 |
| HAF001 | WI | 67 | 108 | 4 | 123 | 6670 | 1.14 | 54.23 | 61.76 |
| MER021 | WI | 67 | 754 | 12 | 1468 | 271751 | 1.95 | 185.12 | 360.41 |
| MLS021 | WI | 67 | 514 | 12 | 44 | 6156 | 0.09 | 139.91 | 11.98 |
| MLS022 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RKL021 | WI | 67 | 699 | 38 | 1823 | 100551 | 2.61 | 55.16 | 143.85 |
| SPA021 | WI | 67 | 175 | 8 | 108 | 8306 | 0.62 | 76.91 | 47.46 |
| SPA022 | WI | 67 | 1683 | 18 | 267 | 12912 | 0.16 | 48.36 | 7.67 |
| SPA031 | WI | 67 | 1560 | 13 | 1712 | 64261 | 1.10 | 37.54 | 41.19 |
| SPA032 | WI | 67 | 1775 | 30 | 210 | 21249 | 0.12 | 101.19 | 11.97 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRE021 | WI | 67 | 18 | 3 | 6 | 808 | 0.33 | 134.67 | 44.89 |
| VIR002 | WI | 67 | 498 | 4 | 34 | 3498 | 0.07 | 102.88 | 7.02 |
| VIR003 | WI | 67 | 893 | 17 | 1139 | 25754 | 1.28 | 22.61 | 28.84 |
| VIR061 | WI | 67 | 1298 | 18 | 179 | 21102 | 0.14 | 117.89 | 16.26 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WHH022 | WI | 67 | 559 | 16 | 685 | 67899 | 1.23 | 99.12 | 121.47 |
| WHH023 | WI | 67 | 745 | 8 | 45 | 5534 | 0.06 | 122.98 | 7.43 |
| WSM081 | WI | 67 | 1199 | 35 | 2694 | 316154 | 2.25 | 117.35 | 263.68 |
| WSM091 | WI | 67 | 1948 | 45 | 2912 | 170815 | 1.49 | 58.66 | 87.69 |
| WSM092 | WI | 67 | 1085 | 13 | 1446 | 109481 | 1.33 | 75.71 | 100.90 |
| COU061 | WI | 68 | 1561 | 12 | 63 | 4637 | 0.04 | 73.60 | 2.97 |
| COU062 | WI | 68 | 1371 | 21 | 391 | 37096 | 0.29 | 94.87 | 27.06 |
| COU068 | WI | 68 | 1874 | 28 | 607 | 73356 | 0.32 | 120.85 | 39.14 |
| COU069 | WI | 68 | 468 | 9 | 290 | 20155 | 0.62 | 69.50 | 43.07 |
| COU071 | WI | 68 | 1271 | 10 | 140 | 13702 | 0.11 | 97.87 | 10.78 |
| COU077 | WI | 68 | 1765 | 27 | 574 | 50320 | 0.33 | 87.67 | 28.51 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| COU078 | WI | 68 | 1211 | 9 | 72 | 2346 | 0.06 | 32.58 | 1.94 |
| COU079 | WI | 68 | 546 | 3 | 94 | 8138 | 0.17 | 86.57 | 14.90 |
| FEN061 | WI | 68 | 1182 | 16 | 470 | 36779 | 0.40 | 78.25 | 31.12 |
| FEN062 | WI | 68 | 483 | 2 | 12 | 792 | 0.02 | 66.00 | 1.64 |
| FEN063 | WI | 68 | 597 | 2 | 2 | 95 | 0.00 | 47.50 | 0.16 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FEN072 | WI | 68 | 847 | 11 | 106 | 6367 | 0.13 | 60.07 | 7.52 |
| FEN073 | WI | 68 | 946 | 19 | 127 | 12784 | 0.13 | 100.66 | 13.51 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GEN197 | WI | 68 | 760 | 8 | 816 | 83787 | 1.07 | 102.68 | 110.25 |
| GEN198 | WI | 68 | 268 | 6 | 1088 | 344389 | 4.06 | 316.53 | 1285.03 |
| HLA062 | WI | 68 | 1417 | 21 | 1748 | 100218 | 1.23 | 57.33 | 70.73 |
| HLA063 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HLA071 | WI | 68 | 1205 | 12 | 63 | 6732 | 0.05 | 106.86 | 5.59 |
| LAX062 | WI | 68 | 1845 | 28 | 242 | 18206 | 0.13 | 75.23 | 9.87 |
| LAX063 | WI | 68 | 1484 | 11 | 139 | 15037 | 0.09 | 108.18 | 10.13 |
| LAX065 | WI | 68 | 953 | 8 | 64 | 6523 | 0.07 | 101.92 | 6.84 |
| LAX067 | WI | 68 | 787 | 5 | 56 | 8030 | 0.07 | 143.39 | 10.20 |
| LAX074 | WI | 68 | 631 | 18 | 1157 | 42105 | 1.83 | 36.39 | 66.73 |
| LAX075 | WI | 68 | 1601 | 22 | 3781 | 221992 | 2.36 | 58.71 | 138.66 |
| LAX076 | WI | 68 | 1153 | 17 | 1365 | 65088 | 1.18 | 47.68 | 56.45 |
| LAX077 | WI | 68 | 1098 | 26 | 3741 | 312926 | 3.41 | 83.65 | 285.00 |
| MAF061 | WI | 68 | 269 | 2 | 34 | 1168 | 0.13 | 34.35 | 4.34 |
| MAF062 | WI | 68 | 46 | 1 | 9 | 1125 | 0.20 | 125.00 | 24.46 |
| MAF063 | WI | 68 | 1541 | 16 | 310 | 19653 | 0.20 | 63.40 | 12.75 |
| MAF071 | WI | 68 | 1043 | 18 | 1259 | 140192 | 1.21 | 111.35 | 134.41 |
| MAF072 | WI | 68 | 631 | 5 | 7 | 720 | 0.01 | 102.86 | 1.14 |
| ONA061 | WI | 68 | 2208 | 40 | 5279 | 399588 | 2.39 | 75.69 | 180.97 |
| ONA062 | WI | 68 | 939 | 19 | 1319 | 52253 | 1.40 | 39.62 | 55.65 |
| SWC061 | WI | 68 | 353 | 3 | 3 | 326 | 0.01 | 108.67 | 0.92 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SWC071 | WI | 68 | 255 | 4 | 42 | 5210 | 0.16 | 124.05 | 20.43 |
| SWC072 | WI | 68 | 1178 | 13 | 185 | 13776 | 0.16 | 74.46 | 11.69 |

# *Xcel Energy Wisconsin Reliability Indices for year 1999*

| System Aggregate Numbers *With Storms* | | | System Aggregate Numbers *Without Storms* | | |
|---|---|---|---|---|---|
| **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 1.39 | 200.58 | 279.25 | 0.86 | 124.01 | 107.08 |

| | Aggregate numbers by Operating Area *With Storms* | | | Aggregate numbers by Operating Area *Without Storms* | | |
|---|---|---|---|---|---|---|
| | **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 60 Indianhead – Amery | 1.15 | 95.86 | 110.44 | 0.89 | 77.21 | 68.91 |
| 61 Lakes-Rice Lake | 2.65 | 244.23 | 647.23 | 1.36 | 93.24 | 126.57 |
| 62 Lake Superior – Ashland | 2.40 | 260.85 | 627.20 | 1.42 | 168.81 | 239.34 |
| 63 Range – Ironwood | 3.16 | 291.85 | 921.43 | 1.18 | 196.11 | 231.04 |
| 64 Central East – Abbotsford | 1.83 | 170.77 | 312.90 | 1.40 | 158.72 | 221.92 |
| 65 Central Metro – Eau Claire | 0.58 | 114.89 | 66.77 | 0.39 | 75.20 | 29.61 |
| 66 Central West – Menomenie | 0.68 | 85.87 | 58.48 | 0.53 | 70.20 | 37.22 |
| 67 Southern – Blair/Sparta | 1.12 | 154.23 | 173.50 | 0.98 | 126.15 | 123.89 |
| 68 LaCrosse | 0.56 | 116.43 | 65.18 | 0.45 | 105.39 | 47.27 |

# *Year 1999 Reliability Indices*

## *With Storms*

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| **Grand Total** | | | 234010 | | 325787 | 65347606 | 1.39 | 200.58 | 279.25 |
| **60 Total** | | | 29796 | | 34326 | 3290595 | 1.15 | 95.86 | 110.44 |
| **61 Total** | | | 23616 | | 62585 | 15285055 | 2.65 | 244.23 | 647.23 |
| **62 Total** | | | 17840 | | 42895 | 11189299 | 2.40 | 260.85 | 627.20 |
| **63 Total** | | | 20407 | | 64430 | 18803611 | 3.16 | 291.85 | 921.43 |
| **64 Total** | | | 19870 | | 36408 | 6217312 | 1.83 | 170.77 | 312.90 |
| **65 Total** | | | 46418 | | 26976 | 3099290 | 0.58 | 114.89 | 66.77 |
| **66 Total** | | | 16119 | | 10977 | 942606 | 0.68 | 85.87 | 58.48 |
| **67 Total** | | | 24120 | | 27133 | 4184701 | 1.12 | 154.23 | 173.50 |
| **68 Total** | | | 35824 | | 20057 | 2335137 | 0.56 | 116.43 | 65.18 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AMY001 | WI | 60 | 563 | 2 | 2 | 204 | 0.00 | 102.00 | 0.36 |
| BAY021 | WI | 60 | 793 | 22 | 346 | 31832 | 0.44 | 92.00 | 40.14 |
| BEA414 | WI | 60 | 820 | 45 | 860 | 119719 | 1.05 | 139.21 | 146.00 |
| BEA415 | WI | 60 | 377 | 14 | 446 | 37805 | 1.18 | 84.76 | 100.28 |
| CLL081 | WI | 60 | 486 | 23 | 193 | 19934 | 0.40 | 103.28 | 41.02 |
| CLL082 | WI | 60 | 397 | 10 | 30 | 2198 | 0.08 | 73.27 | 5.54 |
| CUM081 | WI | 60 | 218 | 14 | 827 | 93804 | 3.79 | 113.43 | 430.29 |
| CUM082 | WI | 60 | 101 | 5 | 223 | 7851 | 2.21 | 35.21 | 77.73 |
| ELL021 | WI | 60 | 1027 | 11 | 25 | 2273 | 0.02 | 90.92 | 2.21 |
| ELL022 | WI | 60 | 308 | 10 | 222 | 30485 | 0.72 | 137.32 | 98.98 |
| GMT021 | WI | 60 | 197 | 16 | 331 | 24408 | 1.68 | 73.74 | 123.90 |
| GST021 | WI | 60 | 394 | 5 | 124 | 14635 | 0.31 | 118.02 | 37.14 |
| GST023 | WI | 60 | 565 | 18 | 135 | 13245 | 0.24 | 98.11 | 23.44 |
| KIN081 | WI | 60 | 361 | 10 | 68 | 8090 | 0.19 | 118.97 | 22.41 |
| LKC081 | WI | 60 | 1221 | 58 | 4723 | 592710 | 3.87 | 125.49 | 485.43 |
| LUK021 | WI | 60 | 1017 | 39 | 1995 | 226307 | 1.96 | 113.44 | 222.52 |
| OPK010 | WI | 60 | 346 | 10 | 18 | 3195 | 0.05 | 177.50 | 9.23 |
| OPK011 | WI | 60 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OSC021 | WI | 60 | 1221 | 30 | 527 | 65274 | 0.43 | 123.86 | 53.46 |
| OSC022 | WI | 60 | 724 | 32 | 1808 | 209857 | 2.50 | 116.07 | 289.86 |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRE021 | WI | 60 | 1204 | 22 | 526 | 39315 | 0.44 | 74.74 | 32.65 |
| PRE022 | WI | 60 | 663 | 6 | 42 | 3850 | 0.06 | 91.67 | 5.81 |
| RIC081 | WI | 60 | 1968 | 70 | 1181 | 155573 | 0.60 | 131.73 | 79.05 |
| RIC082 | WI | 60 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSH081 | WI | 60 | 1983 | 23 | 2327 | 74658 | 1.17 | 32.08 | 37.65 |
| RSH091 | WI | 60 | 943 | 23 | 73 | 8531 | 0.08 | 116.86 | 9.05 |
| RSH092 | WI | 60 | 286 | 7 | 39 | 21638 | 0.14 | 554.82 | 75.66 |
| SCF024 | WI | 60 | 177 | 19 | 368 | 18044 | 2.08 | 49.03 | 101.94 |
| SCF025 | WI | 60 | 949 | 25 | 1987 | 96293 | 2.09 | 48.46 | 101.47 |
| TUR021 | WI | 60 | 284 | 2 | 2 | 111 | 0.01 | 55.50 | 0.39 |
| TUR022 | WI | 60 | 341 | 10 | 55 | 5494 | 0.16 | 99.89 | 16.11 |
| TWT081 | WI | 60 | 1097 | 67 | 6978 | 568876 | 6.36 | 81.52 | 518.57 |
| WLR081 | WI | 60 | 604 | 24 | 1741 | 163774 | 2.88 | 94.07 | 271.15 |
| WLR082 | WI | 60 | 2160 | 67 | 5536 | 573304 | 2.56 | 103.56 | 265.42 |
| WLR091 | WI | 60 | 2216 | 31 | 189 | 21192 | 0.09 | 112.13 | 9.56 |
| WLR092 | WI | 60 | 3734 | 46 | 379 | 36116 | 0.10 | 95.29 | 9.67 |
| BIR021 | WI | 61 | 903 | 61 | 2250 | 416456 | 2.49 | 185.09 | 461.19 |
| BIR022 | WI | 61 | 565 | 35 | 1363 | 301855 | 2.41 | 221.46 | 534.26 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BRU021 | WI | 61 | 1174 | 27 | 1370 | 105294 | 1.17 | 76.86 | 89.69 |
| CAB021 | WI | 61 | 470 | 7 | 764 | 12751 | 1.63 | 16.69 | 27.13 |
| CAB022 | WI | 61 | 468 | 45 | 2916 | 703944 | 6.23 | 241.41 | 1504.15 |
| CAB023 | WI | 61 | 0 | 34 | 1008 | 351773 | 0.00 | 348.98 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CMR021 | WI | 61 | 1078 | 33 | 434 | 79581 | 0.40 | 183.37 | 73.82 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CON021 | WI | 61 | 310 | 21 | 924 | 129663 | 2.98 | 140.33 | 418.27 |
| DRM021 | WI | 61 | 193 | 17 | 850 | 118408 | 4.40 | 139.30 | 613.51 |
| EWA001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FIN021 | WI | 61 | 654 | 7 | 11 | 3421 | 0.02 | 311.00 | 5.23 |
| FIN022 | WI | 61 | 1917 | 135 | 9923 | 2416760 | 5.18 | 243.55 | 1260.70 |
| GLN393 | WI | 61 | 598 | 11 | 726 | 20402 | 1.21 | 28.10 | 34.12 |
| HWD021 | WI | 61 | 531 | 27 | 496 | 122134 | 0.93 | 246.24 | 230.01 |
| HWD022 | WI | 61 | 658 | 59 | 1959 | 248292 | 2.98 | 126.74 | 377.34 |
| HWK021 | WI | 61 | 224 | 25 | 2032 | 1061003 | 9.07 | 522.15 | 4736.62 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OPY081 | WI | 61 | 580 | 41 | 1327 | 410492 | 2.29 | 309.34 | 707.74 |
| PMP001 | WI | 61 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| POK061 | WI | 61 | 782 | 20 | 538 | 65636 | 0.69 | 122.00 | 83.93 |
| POK062 | WI | 61 | 877 | 49 | 951 | 185292 | 1.08 | 194.84 | 211.28 |
| RCL021 | WI | 61 | 51 | 7 | 101 | 16197 | 1.98 | 160.37 | 317.59 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCL031 | WI | 61 | 1356 | 67 | 1195 | 237278 | 0.88 | 198.56 | 174.98 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RID081 | WI | 61 | 525 | 27 | 2171 | 471955 | 4.14 | 217.39 | 898.96 |
| RID082 | WI | 61 | 735 | 41 | 2413 | 666168 | 3.28 | 276.07 | 906.35 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SLD021 | WI | 61 | 282 | 12 | 315 | 14971 | 1.12 | 47.53 | 53.09 |
| SND021 | WI | 61 | 2491 | 206 | 16210 | 5271833 | 6.51 | 325.22 | 2116.35 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TAD021 | WI | 61 | 335 | 19 | 1160 | 151841 | 3.46 | 130.90 | 453.26 |
| THA001 | WI | 61 | 0 | 1 | 2 | 672 | 0.00 | 336.00 | 0.00 |
| TNY021 | WI | 61 | 338 | 12 | 371 | 51780 | 1.10 | 139.57 | 153.20 |
| TRL081 | WI | 61 | 1093 | 40 | 2207 | 770666 | 2.02 | 349.19 | 705.09 |
| TRL082 | WI | 61 | 82 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDM081 | WI | 61 | 746 | 36 | 875 | 351657 | 1.17 | 401.89 | 471.39 |
| WTH001 | WI | 61 | 3 | 1 | 3 | 96 | 1.00 | 32.00 | 32.00 |
| WTL061 | WI | 61 | 1393 | 40 | 1680 | 71477 | 1.21 | 42.55 | 51.31 |
| WTL062 | WI | 61 | 1127 | 38 | 1852 | 166725 | 1.64 | 90.02 | 147.94 |
| YLR081 | WI | 61 | 3 | 1 | 1 | 29 | 0.33 | 29.00 | 9.67 |
| YLR082 | WI | 61 | 1062 | 34 | 2187 | 288553 | 2.06 | 131.94 | 271.71 |
| AMC001 | WI | 62 | 3 | 1 | 3 | 543 | 1.00 | 181.00 | 181.00 |
| AMC002 | WI | 62 | 3 | 1 | 3 | 546 | 1.00 | 182.00 | 182.00 |
| BAV001 | WI | 62 | 731 | 9 | 1657 | 106927 | 2.27 | 64.53 | 146.27 |
| BFT061 | WI | 62 | 557 | 18 | 1202 | 72983 | 2.16 | 60.72 | 131.03 |
| BFT062 | WI | 62 | 424 | 3 | 3 | 399 | 0.01 | 133.00 | 0.94 |
| BKD021 | WI | 62 | 285 | 43 | 2411 | 554973 | 8.46 | 230.18 | 1947.27 |
| BNT021 | WI | 62 | 466 | 17 | 344 | 48778 | 0.74 | 141.80 | 104.67 |
| BYF021 | WI | 62 | 2131 | 84 | 8379 | 3967634 | 3.93 | 473.52 | 1861.86 |
| CRN001 | WI | 62 | 117 | 9 | 738 | 100889 | 6.31 | 136.71 | 862.30 |
| CTA021 | WI | 62 | 313 | 20 | 322 | 132003 | 1.03 | 409.95 | 421.73 |
| FAY001 | WI | 62 | 467 | 9 | 9 | 808 | 0.02 | 89.78 | 1.73 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| FLB010 | WI | 62 | 3 | 1 | 6 | 66 | 2.00 | 11.00 | 22.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GDN021 | WI | 62 | 418 | 11 | 470 | 142859 | 1.12 | 303.96 | 341.77 |
| GRV021 | WI | 62 | 106 | 3 | 320 | 6731 | 3.02 | 21.03 | 63.50 |
| HER001 | WI | 62 | 139 | 11 | 889 | 123873 | 6.40 | 139.34 | 891.17 |
| HWY021 | WI | 62 | 3 | 1 | 3 | 723 | 1.00 | 241.00 | 241.00 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LPA001 | WI | 62 | 3 | 3 | 5 | 1043 | 1.67 | 208.60 | 347.67 |
| MLN001 | WI | 62 | 585 | 39 | 4482 | 2152959 | 7.66 | 480.36 | 3680.27 |
| MNR021 | WI | 62 | 92 | 24 | 334 | 133500 | 3.63 | 399.70 | 1451.09 |
| MNR022 | WI | 62 | 109 | 16 | 331 | 93450 | 3.04 | 282.33 | 857.34 |
| MSE021 | WI | 62 | 29 | 7 | 171 | 92337 | 5.90 | 539.98 | 3184.03 |
| NFO021 | WI | 62 | 1051 | 8 | 287 | 57781 | 0.27 | 201.33 | 54.98 |
| NFO031 | WI | 62 | 1296 | 46 | 682 | 71337 | 0.53 | 104.60 | 55.04 |
| OGE021 | WI | 62 | 171 | 10 | 257 | 60984 | 1.50 | 237.29 | 356.63 |
| OLU021 | WI | 62 | 90 | 10 | 666 | 74973 | 7.40 | 112.57 | 833.03 |
| PHL021 | WI | 62 | 734 | 15 | 58 | 10425 | 0.08 | 179.74 | 14.20 |
| PHL031 | WI | 62 | 990 | 38 | 1473 | 225404 | 1.49 | 153.02 | 227.68 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRN021 | WI | 62 | 764 | 21 | 1152 | 258442 | 1.51 | 224.34 | 338.27 |
| PTW001 | WI | 62 | 302 | 15 | 2023 | 238132 | 6.70 | 117.71 | 788.52 |
| RBL021 | WI | 62 | 134 | 20 | 314 | 26724 | 2.34 | 85.11 | 199.43 |
| RBL022 | WI | 62 | 173 | 10 | 196 | 14161 | 1.13 | 72.25 | 81.86 |
| RBL023 | WI | 62 | 668 | 25 | 2141 | 209336 | 3.21 | 97.77 | 313.38 |
| RES001 | WI | 62 | 100 | 4 | 103 | 19990 | 1.03 | 194.08 | 199.90 |
| SOE001 | WI | 62 | 500 | 7 | 34 | 4466 | 0.07 | 131.35 | 8.93 |
| SQN001 | WI | 62 | 3 | 3 | 5 | 1051 | 1.67 | 210.20 | 350.33 |
| SST061 | WI | 62 | 542 | 19 | 1106 | 225102 | 2.04 | 203.53 | 415.32 |
| SST062 | WI | 62 | 586 | 18 | 924 | 151668 | 1.58 | 164.14 | 258.82 |
| SVN001 | WI | 62 | 290 | 41 | 2583 | 297456 | 8.91 | 115.16 | 1025.71 |
| TST001 | WI | 62 | 300 | 2 | 2 | 768 | 0.01 | 384.00 | 2.56 |
| VAV001 | WI | 62 | 282 | 4 | 4 | 1082 | 0.01 | 270.50 | 3.84 |
| WBI021 | WI | 62 | 3 | 2 | 6 | 1437 | 2.00 | 239.50 | 479.00 |
| WBN021 | WI | 62 | 831 | 15 | 2945 | 913369 | 3.54 | 310.14 | 1099.12 |
| WBN022 | WI | 62 | 435 | 21 | 1602 | 466336 | 3.68 | 291.10 | 1072.04 |
| WHR021 | WI | 62 | 147 | 11 | 599 | 34823 | 4.07 | 58.14 | 236.89 |
| WHR022 | WI | 62 | 218 | 19 | 730 | 29250 | 3.35 | 40.07 | 134.17 |
| WHR023 | WI | 62 | 236 | 33 | 921 | 60778 | 3.90 | 65.99 | 257.53 |
| ALN001 | WI | 63 | 6 | 1 | 6 | 528 | 1.00 | 88.00 | 88.00 |
| AYR021 | WI | 63 | 812 | 16 | 1888 | 271602 | 2.33 | 143.86 | 334.49 |
| AYR022 | WI | 63 | 872 | 91 | 3615 | 1051058 | 4.15 | 290.75 | 1205.34 |
| BES021 | WI | 63 | 1057 | 52 | 2993 | 1401302 | 2.83 | 468.19 | 1325.74 |
| BES022 | WI | 63 | 1082 | 39 | 3989 | 605192 | 3.69 | 151.72 | 559.33 |
| BLD021 | WI | 63 | 629 | 25 | 1951 | 525174 | 3.10 | 269.18 | 834.93 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CNR001 | WI | 63 | 3 | 1 | 6 | 708 | 2.00 | 118.00 | 236.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GER001 | WI | 63 | 435 | 13 | 895 | 291443 | 2.06 | 325.63 | 669.98 |
| GLA021 | WI | 63 | 75 | 13 | 249 | 97313 | 3.32 | 390.82 | 1297.51 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 264 | 1.00 | 88.00 | 88.00 |
| HGN021 | WI | 63 | 6 | 1 | 6 | 708 | 1.00 | 118.00 | 118.00 |
| HUR021 | WI | 63 | 291 | 3 | 78 | 19623 | 0.27 | 251.58 | 67.43 |
| HUR022 | WI | 63 | 666 | 50 | 1385 | 1013171 | 2.08 | 731.53 | 1521.28 |
| IHD021 | WI | 63 | 320 | 29 | 2122 | 814324 | 6.63 | 383.75 | 2544.76 |
| IRB001 | WI | 63 | 149 | 8 | 384 | 43218 | 2.58 | 112.55 | 290.05 |
| IRP001 | WI | 63 | 3 | 1 | 3 | 354 | 1.00 | 118.00 | 118.00 |
| IRP002 | WI | 63 | 0 | 1 | 3 | 354 | 0.00 | 118.00 | 0.00 |
| IRW001 | WI | 63 | 352 | 3 | 27 | 2422 | 0.08 | 89.70 | 6.88 |
| IRW002 | WI | 63 | 561 | 5 | 16 | 1453 | 0.03 | 90.81 | 2.59 |
| IRW003 | WI | 63 | 530 | 14 | 171 | 108565 | 0.32 | 634.88 | 204.84 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW005 | WI | 63 | 588 | 23 | 57 | 55381 | 0.10 | 971.60 | 94.19 |
| JKS021 | WI | 63 | 4 | 2 | 8 | 1416 | 2.00 | 177.00 | 354.00 |
| LUP001 | WI | 63 | 3 | 2 | 6 | 1065 | 2.00 | 177.50 | 355.00 |
| MCO001 | WI | 63 | 201 | 2 | 227 | 20004 | 1.13 | 88.12 | 99.52 |
| MCO021 | WI | 63 | 392 | 25 | 951 | 418642 | 2.43 | 440.21 | 1067.96 |
| MCR001 | WI | 63 | 3 | 1 | 1 | 24 | 0.33 | 24.00 | 8.00 |
| MCR021 | WI | 63 | 1668 | 109 | 9199 | 1569323 | 5.51 | 170.60 | 940.84 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 354 | 1.00 | 118.00 | 118.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MNT001 | WI | 63 | 823 | 34 | 1978 | 1629483 | 2.40 | 823.80 | 1979.93 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MRC022 | WI | 63 | 1507 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NRA001 | WI | 63 | 470 | 15 | 1055 | 650258 | 2.24 | 616.36 | 1383.53 |
| NSI001 | WI | 63 | 628 | 8 | 1278 | 129954 | 2.04 | 101.69 | 206.93 |
| OJB021 | WI | 63 | 5 | 1 | 4 | 352 | 0.80 | 88.00 | 70.40 |
| PSI021 | WI | 63 | 1247 | 132 | 8098 | 2202610 | 6.49 | 271.99 | 1766.33 |
| RMS001 | WI | 63 | 613 | 34 | 2241 | 560396 | 3.66 | 250.07 | 914.19 |
| RTL021 | WI | 63 | 1034 | 110 | 6309 | 1670292 | 6.10 | 264.75 | 1615.37 |
| RTL022 | WI | 63 | 936 | 71 | 2803 | 675428 | 2.99 | 240.97 | 721.61 |
| SAX001 | WI | 63 | 3 | 1 | 3 | 111 | 1.00 | 37.00 | 37.00 |
| SUP021 | WI | 63 | 149 | 12 | 778 | 511249 | 5.22 | 657.13 | 3431.20 |
| SXF021 | WI | 63 | 203 | 28 | 1072 | 621414 | 5.28 | 579.68 | 3061.15 |
| TLA001 | WI | 63 | 1 | 1 | 1 | 118 | 1.00 | 118.00 | 118.00 |
| TWN021 | WI | 63 | 691 | 52 | 3954 | 812364 | 5.72 | 205.45 | 1175.64 |
| TWN022 | WI | 63 | 673 | 69 | 4450 | 979706 | 6.61 | 220.16 | 1455.73 |
| UPS001 | WI | 63 | 45 | 5 | 149 | 39564 | 3.31 | 265.53 | 879.20 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDB001 | WI | 63 | 7 | 4 | 15 | 5327 | 2.14 | 355.13 | 761.00 |
| BYD001 | WI | 64 | 312 | 23 | 900 | 136049 | 2.88 | 151.17 | 436.05 |

## *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CTS021 | WI | 64 | 718 | 7 | 1489 | 45045 | 2.07 | 30.25 | 62.74 |
| GLM021 | WI | 64 | 473 | 14 | 583 | 138683 | 1.23 | 237.88 | 293.20 |
| LKH010 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LOY021 | WI | 64 | 958 | 49 | 2667 | 505304 | 2.78 | 189.47 | 527.46 |
| LOY022 | WI | 64 | 748 | 35 | 127 | 13903 | 0.17 | 109.47 | 18.59 |
| LYN021 | WI | 64 | 253 | 5 | 24 | 2956 | 0.09 | 123.17 | 11.68 |
| LYN022 | WI | 64 | 415 | 12 | 94 | 13812 | 0.23 | 146.94 | 33.28 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV021 | WI | 64 | 984 | 8 | 2680 | 721603 | 2.72 | 269.25 | 733.34 |
| NLV031 | WI | 64 | 584 | 13 | 1850 | 511163 | 3.17 | 276.30 | 875.28 |
| NLV032 | WI | 64 | 536 | 19 | 2989 | 534729 | 5.58 | 178.90 | 997.63 |
| NLV101 | WI | 64 | 596 | 9 | 365 | 66688 | 0.61 | 182.71 | 111.89 |
| NLV102 | WI | 64 | 466 | 42 | 2888 | 509143 | 6.20 | 176.30 | 1092.58 |
| NLV178 | WI | 64 | 574 | 4 | 580 | 65283 | 1.01 | 112.56 | 113.73 |
| NLV202 | WI | 64 | 614 | 3 | 613 | 69223 | 1.00 | 112.92 | 112.74 |
| OWN021 | WI | 64 | 1229 | 40 | 1365 | 219251 | 1.11 | 160.62 | 178.40 |
| SPE021 | WI | 64 | 1001 | 16 | 635 | 68207 | 0.63 | 107.41 | 68.14 |
| STA081 | WI | 64 | 275 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA082 | WI | 64 | 701 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA083 | WI | 64 | 553 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STN001 | WI | 64 | 41 | 6 | 172 | 31536 | 4.20 | 183.35 | 769.17 |
| STN002 | WI | 64 | 921 | 150 | 5068 | 1075385 | 5.50 | 212.19 | 1167.63 |
| STN003 | WI | 64 | 381 | 34 | 2550 | 423561 | 6.69 | 166.10 | 1111.71 |
| TCN081 | WI | 64 | 2048 | 52 | 4846 | 492658 | 2.37 | 101.66 | 240.56 |
| TCN091 | WI | 64 | 941 | 40 | 705 | 109451 | 0.75 | 155.25 | 116.31 |
| TCN092 | WI | 64 | 2132 | 33 | 522 | 50073 | 0.24 | 95.93 | 23.49 |
| TRP021 | WI | 64 | 499 | 31 | 1486 | 208388 | 2.98 | 140.23 | 417.61 |
| TRP022 | WI | 64 | 911 | 9 | 1210 | 205218 | 1.33 | 169.60 | 225.27 |
| AUG021 | WI | 65 | 309 | 13 | 369 | 9642 | 1.19 | 26.13 | 31.20 |
| AUG022 | WI | 65 | 690 | 12 | 827 | 20601 | 1.20 | 24.91 | 29.86 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD061 | WI | 65 | 49 | 5 | 48 | 15941 | 0.98 | 332.10 | 325.33 |
| CHF021 | WI | 65 | 641 | 3 | 22 | 1454 | 0.03 | 66.09 | 2.27 |
| CHF022 | WI | 65 | 1562 | 25 | 208 | 12006 | 0.13 | 57.72 | 7.69 |
| CHF023 | WI | 65 | 0 | 18 | 155 | 9264 | 0.00 | 59.77 | 0.00 |
| CHF024 | WI | 65 | 1358 | 31 | 480 | 41883 | 0.35 | 87.26 | 30.84 |
| CHF031 | WI | 65 | 420 | 7 | 239 | 16490 | 0.57 | 69.00 | 39.26 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CHF033 | WI | 65 | 559 | 5 | 5 | 330 | 0.01 | 66.00 | 0.59 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| EGP021 | WI | 65 | 2078 | 65 | 454 | 55088 | 0.22 | 121.34 | 26.51 |
| EGP022 | WI | 65 | 291 | 9 | 21 | 5952 | 0.07 | 283.43 | 20.45 |
| ELK001 | WI | 65 | 403 | 19 | 224 | 21154 | 0.56 | 94.44 | 52.49 |
| ELS021 | WI | 65 | 424 | 5 | 31 | 6066 | 0.07 | 195.68 | 14.31 |
| ELS022 | WI | 65 | 465 | 4 | 511 | 36580 | 1.10 | 71.59 | 78.67 |
| ELS023 | WI | 65 | 15 | 1 | 4 | 276 | 0.27 | 69.00 | 18.40 |
| ELS024 | WI | 65 | 97 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELS027 | WI | 65 | 2100 | 38 | 613 | 54141 | 0.29 | 88.32 | 25.78 |
| ELS031 | WI | 65 | 743 | 11 | 329 | 41665 | 0.44 | 126.64 | 56.08 |
| ELS032 | WI | 65 | 1168 | 12 | 245 | 15801 | 0.21 | 64.49 | 13.53 |
| ELS033 | WI | 65 | 1488 | 17 | 221 | 15257 | 0.15 | 69.04 | 10.25 |
| ELS034 | WI | 65 | 282 | 1 | 1 | 115 | 0.00 | 115.00 | 0.41 |
| FLC097 | WI | 65 | 605 | 13 | 645 | 13500 | 1.07 | 20.93 | 22.31 |
| FOL001 | WI | 65 | 253 | 5 | 61 | 6199 | 0.24 | 101.62 | 24.50 |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HAL062 | WI | 65 | 1611 | 33 | 661 | 52390 | 0.41 | 79.26 | 32.52 |
| HAL063 | WI | 65 | 1476 | 8 | 222 | 4216 | 0.15 | 18.99 | 2.86 |
| HAL072 | WI | 65 | 1149 | 23 | 420 | 40322 | 0.37 | 96.00 | 35.09 |
| HAL073 | WI | 65 | 397 | 31 | 776 | 66926 | 1.95 | 86.24 | 168.58 |
| HYD021 | WI | 65 | 22 | 1 | 1 | 63 | 0.05 | 63.00 | 2.86 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD031 | WI | 65 | 56 | 1 | 1 | 60 | 0.02 | 60.00 | 1.07 |
| HYD032 | WI | 65 | 2398 | 48 | 835 | 83917 | 0.35 | 100.50 | 34.99 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JIM021 | WI | 65 | 360 | 16 | 183 | 18925 | 0.51 | 103.42 | 52.57 |
| LON061 | WI | 65 | 1293 | 24 | 406 | 22851 | 0.31 | 56.28 | 17.67 |
| LON062 | WI | 65 | 455 | 14 | 1982 | 150633 | 4.36 | 76.00 | 331.06 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LON071 | WI | 65 | 654 | 4 | 121 | 27836 | 0.19 | 230.05 | 42.56 |
| LON072 | WI | 65 | 666 | 10 | 66 | 9987 | 0.10 | 151.32 | 15.00 |
| MAD061 | WI | 65 | 315 | 5 | 5 | 199 | 0.02 | 39.80 | 0.63 |
| MAD062 | WI | 65 | 930 | 61 | 1889 | 199615 | 2.03 | 105.67 | 214.64 |
| MAD071 | WI | 65 | 733 | 20 | 395 | 22117 | 0.54 | 55.99 | 30.17 |
| MAD072 | WI | 65 | 2103 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NAP021 | WI | 65 | 514 | 30 | 625 | 199532 | 1.22 | 319.25 | 388.19 |
| NAP022 | WI | 65 | 1398 | 39 | 3756 | 705219 | 2.69 | 187.76 | 504.45 |
| OTC021 | WI | 65 | 460 | 4 | 23 | 1180 | 0.05 | 51.30 | 2.57 |
| OTC022 | WI | 65 | 1565 | 34 | 209 | 23068 | 0.13 | 110.37 | 14.74 |
| OTC023 | WI | 65 | 1369 | 15 | 217 | 12675 | 0.16 | 58.41 | 9.26 |
| OTC031 | WI | 65 | 1697 | 33 | 426 | 48405 | 0.25 | 113.63 | 28.52 |
| OTC032 | WI | 65 | 1441 | 42 | 2569 | 585079 | 1.78 | 227.75 | 406.02 |
| PRS563 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RVW021 | WI | 65 | 81 | 1 | 15 | 525 | 0.19 | 35.00 | 6.48 |
| SHW021 | WI | 65 | 262 | 16 | 476 | 42046 | 1.82 | 88.33 | 160.48 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| STE471 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STM021 | WI | 65 | 520 | 27 | 965 | 190906 | 1.86 | 197.83 | 367.13 |
| STM022 | WI | 65 | 990 | 13 | 1139 | 28420 | 1.15 | 24.95 | 28.71 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRX021 | WI | 65 | 953 | 43 | 1289 | 46875 | 1.35 | 36.37 | 49.19 |
| TRX022 | WI | 65 | 747 | 10 | 77 | 10586 | 0.10 | 137.48 | 14.17 |
| TRX023 | WI | 65 | 0 | 24 | 182 | 15462 | 0.00 | 84.96 | 0.00 |
| TRX031 | WI | 65 | 74 | 3 | 3 | 172 | 0.04 | 57.33 | 2.32 |
| TRX032 | WI | 65 | 1786 | 48 | 772 | 44378 | 0.43 | 57.48 | 24.85 |
| TRX033 | WI | 65 | 341 | 5 | 63 | 5801 | 0.18 | 92.08 | 17.01 |
| USR533 | WI | 65 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WIB569 | WI | 65 | 1235 | 41 | 494 | 39499 | 0.40 | 79.96 | 31.98 |
| ALM559 | WI | 66 | 508 | 12 | 114 | 14565 | 0.22 | 127.76 | 28.67 |
| ALM560 | WI | 66 | 15 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ARK081 | WI | 66 | 80 | 7 | 76 | 7740 | 0.95 | 101.84 | 96.75 |
| ARK082 | WI | 66 | 601 | 17 | 151 | 20848 | 0.25 | 138.07 | 34.69 |
| CEF081 | WI | 66 | 808 | 29 | 994 | 89163 | 1.23 | 89.70 | 110.35 |
| COC021 | WI | 66 | 397 | 14 | 279 | 37407 | 0.70 | 134.08 | 94.22 |
| DUR021 | WI | 66 | 482 | 8 | 264 | 18517 | 0.55 | 70.14 | 38.42 |
| DUR022 | WI | 66 | 1010 | 30 | 326 | 27897 | 0.32 | 85.57 | 27.62 |
| EGA021 | WI | 66 | 116 | 6 | 113 | 11115 | 0.97 | 98.36 | 95.82 |
| EGA022 | WI | 66 | 347 | 18 | 267 | 24089 | 0.77 | 90.22 | 69.42 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELM021 | WI | 66 | 218 | 11 | 36 | 9831 | 0.17 | 273.08 | 45.10 |
| ELM022 | WI | 66 | 585 | 21 | 323 | 47994 | 0.55 | 148.59 | 82.04 |
| HAY081 | WI | 66 | 645 | 17 | 1671 | 88927 | 2.59 | 53.22 | 137.87 |
| HAY082 | WI | 66 | 1685 | 14 | 1298 | 40229 | 0.77 | 30.99 | 23.87 |
| MDR021 | WI | 66 | 148 | 10 | 403 | 71625 | 2.72 | 177.73 | 483.95 |
| MEN021 | WI | 66 | 872 | 20 | 330 | 26492 | 0.38 | 80.28 | 30.38 |
| MEN022 | WI | 66 | 1527 | 22 | 422 | 23031 | 0.28 | 54.58 | 15.08 |
| MEN023 | WI | 66 | 343 | 3 | 115 | 3470 | 0.34 | 30.17 | 10.12 |
| MEN031 | WI | 66 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MEN032 | WI | 66 | 1779 | 39 | 822 | 58429 | 0.46 | 71.08 | 32.84 |
| NEL021 | WI | 66 | 245 | 3 | 267 | 53090 | 1.09 | 198.84 | 216.69 |
| PEP021 | WI | 66 | 897 | 53 | 1234 | 115962 | 1.38 | 93.97 | 129.28 |
| RCD022 | WI | 66 | 101 | 2 | 7 | 1061 | 0.07 | 151.57 | 10.50 |
| RCD023 | WI | 66 | 887 | 22 | 589 | 55127 | 0.66 | 93.59 | 62.15 |
| RCD024 | WI | 66 | 380 | 14 | 207 | 15297 | 0.54 | 73.90 | 40.26 |
| RCD031 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD032 | WI | 66 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD033 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSK021 | WI | 66 | 392 | 23 | 527 | 64115 | 1.34 | 121.66 | 163.56 |
| SPR021 | WI | 66 | 744 | 15 | 87 | 7130 | 0.12 | 81.95 | 9.58 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| WND081 | WI | 66 | 270 | 10 | 55 | 9455 | 0.20 | 171.91 | 35.02 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC117 | WI | 67 | 295 | 4 | 595 | 41977 | 2.02 | 70.55 | 142.29 |
| ALC118 | WI | 67 | 324 | 15 | 777 | 61337 | 2.40 | 78.94 | 189.31 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA021 | WI | 67 | 671 | 27 | 2293 | 479175 | 3.42 | 208.97 | 714.12 |
| BLA022 | WI | 67 | 17 | 3 | 51 | 15345 | 3.00 | 300.88 | 902.65 |
| BLA023 | WI | 67 | 557 | 10 | 1225 | 44345 | 2.20 | 36.20 | 79.61 |
| CAT021 | WI | 67 | 484 | 30 | 1181 | 99068 | 2.44 | 83.88 | 204.69 |
| CPM021 | WI | 67 | 0 | 1 | 3 | 360 | 0.00 | 120.00 | 0.00 |
| CPM022 | WI | 67 | 5 | 1 | 17 | 2040 | 3.40 | 120.00 | 408.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM032 | WI | 67 | 617 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM033 | WI | 67 | 394 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CSH021 | WI | 67 | 122 | 12 | 318 | 19800 | 2.61 | 62.26 | 162.30 |
| CSH022 | WI | 67 | 425 | 31 | 1628 | 162345 | 3.83 | 99.72 | 381.99 |
| CVA021 | WI | 67 | 668 | 43 | 3132 | 691055 | 4.69 | 220.64 | 1034.51 |
| CVA022 | WI | 67 | 364 | 24 | 1703 | 361774 | 4.68 | 212.43 | 993.88 |
| ETK021 | WI | 67 | 335 | 10 | 410 | 16823 | 1.22 | 41.03 | 50.22 |
| GAL021 | WI | 67 | 1238 | 37 | 1022 | 167681 | 0.83 | 164.07 | 135.45 |
| GVA021 | WI | 67 | 309 | 9 | 784 | 75402 | 2.54 | 96.18 | 244.02 |
| HAF001 | WI | 67 | 108 | 2 | 340 | 43180 | 3.15 | 127.00 | 399.81 |
| MER021 | WI | 67 | 754 | 17 | 118 | 29557 | 0.16 | 250.48 | 39.20 |
| MLS021 | WI | 67 | 514 | 11 | 1182 | 25665 | 2.30 | 21.71 | 49.93 |
| MLS022 | WI | 67 | 0 | 1 | 3 | 30 | 0.00 | 10.00 | 0.00 |
| RKL021 | WI | 67 | 699 | 36 | 402 | 57779 | 0.58 | 143.73 | 82.66 |
| SPA021 | WI | 67 | 175 | 3 | 3 | 248 | 0.02 | 82.67 | 1.42 |
| SPA022 | WI | 67 | 1683 | 34 | 874 | 53326 | 0.52 | 61.01 | 31.69 |
| SPA031 | WI | 67 | 1560 | 15 | 191 | 11943 | 0.12 | 62.53 | 7.66 |
| SPA032 | WI | 67 | 1775 | 60 | 1170 | 141827 | 0.66 | 121.22 | 79.90 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRE021 | WI | 67 | 18 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| VIR002 | WI | 67 | 498 | 5 | 64 | 11165 | 0.13 | 174.45 | 22.42 |
| VIR003 | WI | 67 | 893 | 13 | 349 | 28965 | 0.39 | 82.99 | 32.44 |
| VIR061 | WI | 67 | 1298 | 44 | 945 | 68502 | 0.73 | 72.49 | 52.78 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WHH022 | WI | 67 | 559 | 23 | 653 | 44181 | 1.17 | 67.66 | 79.04 |
| WHH023 | WI | 67 | 745 | 18 | 1010 | 126038 | 1.36 | 124.79 | 169.18 |
| WSM081 | WI | 67 | 1199 | 60 | 3225 | 1134222 | 2.69 | 351.70 | 945.97 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| WSM091 | WI | 67 | 1948 | 58 | 1246 | 127564 | 0.64 | 102.38 | 65.48 |
| WSM092 | WI | 67 | 1085 | 15 | 219 | 41982 | 0.20 | 191.70 | 38.69 |
| COU061 | WI | 68 | 1561 | 18 | 280 | 29059 | 0.18 | 103.78 | 18.62 |
| COU062 | WI | 68 | 1371 | 20 | 164 | 25419 | 0.12 | 154.99 | 18.54 |
| COU068 | WI | 68 | 1874 | 40 | 562 | 77683 | 0.30 | 138.23 | 41.45 |
| COU069 | WI | 68 | 468 | 20 | 518 | 75421 | 1.11 | 145.60 | 161.16 |
| COU071 | WI | 68 | 1271 | 14 | 185 | 26631 | 0.15 | 143.95 | 20.95 |
| COU077 | WI | 68 | 1765 | 37 | 540 | 64126 | 0.31 | 118.75 | 36.33 |
| COU078 | WI | 68 | 1211 | 19 | 1402 | 215007 | 1.16 | 153.36 | 177.55 |
| COU079 | WI | 68 | 546 | 10 | 335 | 37042 | 0.61 | 110.57 | 67.84 |
| FEN061 | WI | 68 | 1182 | 19 | 1901 | 195416 | 1.61 | 102.80 | 165.33 |
| FEN062 | WI | 68 | 483 | 9 | 1189 | 89651 | 2.46 | 75.40 | 185.61 |
| FEN063 | WI | 68 | 597 | 2 | 22 | 516 | 0.04 | 23.45 | 0.86 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FEN072 | WI | 68 | 847 | 8 | 68 | 15208 | 0.08 | 223.65 | 17.96 |
| FEN073 | WI | 68 | 946 | 16 | 1343 | 184199 | 1.42 | 137.15 | 194.71 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GEN197 | WI | 68 | 760 | 13 | 1620 | 223997 | 2.13 | 138.27 | 294.73 |
| GEN198 | WI | 68 | 268 | 5 | 816 | 175036 | 3.04 | 214.50 | 653.12 |
| HLA062 | WI | 68 | 1417 | 14 | 244 | 29955 | 0.17 | 122.77 | 21.14 |
| HLA063 | WI | 68 | 0 | 33 | 1859 | 85327 | 0.00 | 45.90 | 0.00 |
| HLA071 | WI | 68 | 1205 | 1 | 1 | 153 | 0.00 | 153.00 | 0.13 |
| LAX062 | WI | 68 | 1845 | 31 | 416 | 48543 | 0.23 | 116.69 | 26.31 |
| LAX063 | WI | 68 | 1484 | 16 | 285 | 28621 | 0.19 | 100.42 | 19.29 |
| LAX065 | WI | 68 | 953 | 5 | 38 | 2025 | 0.04 | 53.29 | 2.12 |
| LAX067 | WI | 68 | 787 | 14 | 72 | 13175 | 0.09 | 182.99 | 16.74 |
| LAX074 | WI | 68 | 631 | 14 | 738 | 153787 | 1.17 | 208.38 | 243.72 |
| LAX075 | WI | 68 | 1601 | 27 | 265 | 20934 | 0.17 | 79.00 | 13.08 |
| LAX076 | WI | 68 | 1153 | 19 | 92 | 7110 | 0.08 | 77.28 | 6.17 |
| LAX077 | WI | 68 | 1098 | 28 | 1528 | 135295 | 1.39 | 88.54 | 123.22 |
| MAF061 | WI | 68 | 269 | 6 | 618 | 37176 | 2.30 | 60.16 | 138.20 |
| MAF062 | WI | 68 | 46 | 1 | 46 | 1840 | 1.00 | 40.00 | 40.00 |
| MAF063 | WI | 68 | 1541 | 4 | 219 | 24905 | 0.14 | 113.72 | 16.16 |
| MAF071 | WI | 68 | 1043 | 14 | 1309 | 147141 | 1.26 | 112.41 | 141.07 |
| MAF072 | WI | 68 | 631 | 17 | 308 | 38087 | 0.49 | 123.66 | 60.36 |
| ONA061 | WI | 68 | 2208 | 30 | 457 | 59066 | 0.21 | 129.25 | 26.75 |
| ONA062 | WI | 68 | 939 | 18 | 214 | 17534 | 0.23 | 81.93 | 18.67 |
| SWC061 | WI | 68 | 353 | 8 | 158 | 19907 | 0.45 | 125.99 | 56.39 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SWC071 | WI | 68 | 255 | 4 | 88 | 8971 | 0.35 | 101.94 | 35.18 |
| SWC072 | WI | 68 | 1178 | 19 | 157 | 21174 | 0.13 | 134.87 | 17.97 |

# *Year 1999 Reliability Indices*

## *Storm Normalized*

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| **Grand Total** | | | 234010 | | 202065 | 25057782 | 0.86 | 124.01 | 107.08 |
| **60 Total** | | | 30394 | | 27127 | 2094409 | 0.89 | 77.21 | 68.91 |
| **61 Total** | | | 23018 | | 31244 | 2913323 | 1.36 | 93.24 | 126.57 |
| **62 Total** | | | 17840 | | 25294 | 4269846 | 1.42 | 168.81 | 239.34 |
| **63 Total** | | | 20407 | | 24042 | 4714817 | 1.18 | 196.11 | 231.04 |
| **64 Total** | | | 19870 | | 27782 | 4409503 | 1.40 | 158.72 | 221.92 |
| **65 Total** | | | 46418 | | 18274 | 1374289 | 0.39 | 75.20 | 29.61 |
| **66 Total** | | | 16119 | | 8547 | 599989 | 0.53 | 70.20 | 37.22 |
| **67 Total** | | | 24120 | | 23688 | 2988345 | 0.98 | 126.15 | 123.89 |
| **68 Total** | | | 35824 | | 16067 | 1693261 | 0.45 | 105.39 | 47.27 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AMY001 | WI | 60 | 563 | 2 | 2 | 204 | 0.00 | 102.00 | 0.36 |
| BAY021 | WI | 60 | 793 | 19 | 246 | 18541 | 0.31 | 75.37 | 23.38 |
| BEA414 | WI | 60 | 820 | 31 | 565 | 55400 | 0.69 | 98.05 | 67.56 |
| BEA415 | WI | 60 | 377 | 13 | 431 | 33410 | 1.14 | 77.52 | 88.62 |
| CLL081 | WI | 60 | 486 | 15 | 174 | 16731 | 0.36 | 96.16 | 34.43 |
| CLL082 | WI | 60 | 397 | 5 | 21 | 1189 | 0.05 | 56.62 | 2.99 |
| CUM081 | WI | 60 | 218 | 10 | 456 | 14541 | 2.09 | 31.89 | 66.70 |
| CUM082 | WI | 60 | 101 | 4 | 210 | 6694 | 2.08 | 31.88 | 66.28 |
| ELL021 | WI | 60 | 1027 | 9 | 20 | 1736 | 0.02 | 86.80 | 1.69 |
| ELL022 | WI | 60 | 308 | 9 | 219 | 29429 | 0.71 | 134.38 | 95.55 |
| GLN393 | WI | 60 | 598 | 11 | 726 | 20402 | 1.21 | 28.10 | 34.12 |
| GMT021 | WI | 60 | 197 | 13 | 328 | 24036 | 1.66 | 73.28 | 122.01 |
| GST021 | WI | 60 | 394 | 2 | 28 | 1560 | 0.07 | 55.71 | 3.96 |
| GST023 | WI | 60 | 565 | 13 | 94 | 6612 | 0.17 | 70.34 | 11.70 |
| KIN081 | WI | 60 | 361 | 9 | 66 | 7954 | 0.18 | 120.52 | 22.03 |
| LKC081 | WI | 60 | 1221 | 43 | 4130 | 464726 | 3.38 | 112.52 | 380.61 |
| LUK021 | WI | 60 | 1017 | 24 | 1480 | 88640 | 1.46 | 59.89 | 87.16 |
| OPK010 | WI | 60 | 346 | 7 | 12 | 2419 | 0.03 | 201.58 | 6.99 |
| OPK011 | WI | 60 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OSC021 | WI | 60 | 1221 | 24 | 232 | 20564 | 0.19 | 88.64 | 16.84 |
| OSC022 | WI | 60 | 724 | 21 | 946 | 99635 | 1.31 | 105.32 | 137.62 |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRE021 | WI | 60 | 1204 | 17 | 412 | 27358 | 0.34 | 66.40 | 22.72 |
| PRE022 | WI | 60 | 663 | 4 | 38 | 3549 | 0.06 | 93.39 | 5.35 |
| RIC081 | WI | 60 | 1968 | 56 | 1007 | 128285 | 0.51 | 127.39 | 65.19 |
| RIC082 | WI | 60 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSH081 | WI | 60 | 1983 | 23 | 2327 | 74658 | 1.17 | 32.08 | 37.65 |
| RSH091 | WI | 60 | 943 | 19 | 48 | 4914 | 0.05 | 102.38 | 5.21 |
| RSH092 | WI | 60 | 286 | 7 | 39 | 21638 | 0.14 | 554.82 | 75.66 |
| SCF024 | WI | 60 | 177 | 16 | 365 | 17168 | 2.06 | 47.04 | 96.99 |
| SCF025 | WI | 60 | 949 | 20 | 1960 | 95032 | 2.07 | 48.49 | 100.14 |
| TUR021 | WI | 60 | 284 | 2 | 2 | 111 | 0.01 | 55.50 | 0.39 |
| TUR022 | WI | 60 | 341 | 10 | 55 | 5494 | 0.16 | 99.89 | 16.11 |
| TWT081 | WI | 60 | 1097 | 35 | 3940 | 202643 | 3.59 | 51.43 | 184.72 |
| WLR081 | WI | 60 | 604 | 16 | 1404 | 113619 | 2.32 | 80.93 | 188.11 |
| WLR082 | WI | 60 | 2160 | 52 | 4607 | 432157 | 2.13 | 93.80 | 200.07 |
| WLR091 | WI | 60 | 2216 | 29 | 187 | 21069 | 0.08 | 112.67 | 9.51 |
| WLR092 | WI | 60 | 3734 | 40 | 350 | 32291 | 0.09 | 92.26 | 8.65 |
| BIR021 | WI | 61 | 903 | 42 | 1152 | 75528 | 1.28 | 65.56 | 83.64 |
| BIR022 | WI | 61 | 565 | 28 | 465 | 68794 | 0.82 | 147.94 | 121.76 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BRU021 | WI | 61 | 1174 | 21 | 1254 | 69410 | 1.07 | 55.35 | 59.12 |
| CAB021 | WI | 61 | 470 | 5 | 762 | 12266 | 1.62 | 16.10 | 26.10 |
| CAB022 | WI | 61 | 468 | 29 | 2328 | 208080 | 4.97 | 89.38 | 444.62 |
| CAB023 | WI | 61 | 0 | 15 | 636 | 56278 | 0.00 | 88.49 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CMR021 | WI | 61 | 1078 | 21 | 325 | 62874 | 0.30 | 193.46 | 58.32 |
| CON021 | WI | 61 | 310 | 11 | 734 | 39933 | 2.37 | 54.40 | 128.82 |
| DRM021 | WI | 61 | 193 | 10 | 439 | 4916 | 2.27 | 11.20 | 25.47 |
| EWA001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FIN021 | WI | 61 | 654 | 3 | 5 | 187 | 0.01 | 37.40 | 0.29 |
| FIN022 | WI | 61 | 1917 | 74 | 1057 | 115147 | 0.55 | 108.94 | 60.07 |
| HWD021 | WI | 61 | 531 | 21 | 343 | 32570 | 0.65 | 94.96 | 61.34 |
| HWD022 | WI | 61 | 658 | 44 | 1259 | 98118 | 1.91 | 77.93 | 149.12 |
| HWK021 | WI | 61 | 224 | 14 | 1308 | 381014 | 5.84 | 291.30 | 1700.96 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OPY081 | WI | 61 | 580 | 26 | 774 | 50242 | 1.33 | 64.91 | 86.62 |
| PMP001 | WI | 61 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| POK061 | WI | 61 | 782 | 10 | 352 | 27783 | 0.45 | 78.93 | 35.53 |
| POK062 | WI | 61 | 877 | 26 | 401 | 27066 | 0.46 | 67.50 | 30.86 |
| RCL021 | WI | 61 | 51 | 3 | 47 | 7846 | 0.92 | 166.94 | 153.84 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCL031 | WI | 61 | 1356 | 43 | 751 | 63224 | 0.55 | 84.19 | 46.63 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RID081 | WI | 61 | 525 | 17 | 1469 | 87123 | 2.80 | 59.31 | 165.95 |
| RID082 | WI | 61 | 735 | 27 | 1951 | 246375 | 2.65 | 126.28 | 335.20 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SLD021 | WI | 61 | 282 | 8 | 290 | 9643 | 1.03 | 33.25 | 34.20 |
| SND021 | WI | 61 | 2491 | 126 | 7676 | 851454 | 3.08 | 110.92 | 341.81 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TAD021 | WI | 61 | 335 | 11 | 435 | 41320 | 1.30 | 94.99 | 123.34 |
| THA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TNY021 | WI | 61 | 338 | 8 | 310 | 24253 | 0.92 | 78.24 | 71.75 |
| TRL081 | WI | 61 | 1093 | 27 | 614 | 51480 | 0.56 | 83.84 | 47.10 |
| TRL082 | WI | 61 | 82 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDM081 | WI | 61 | 746 | 25 | 129 | 24903 | 0.17 | 193.05 | 33.38 |
| WTH001 | WI | 61 | 3 | 1 | 3 | 96 | 1.00 | 32.00 | 32.00 |
| WTL061 | WI | 61 | 1393 | 31 | 1605 | 60728 | 1.15 | 37.84 | 43.60 |
| WTL062 | WI | 61 | 1127 | 27 | 1617 | 59783 | 1.43 | 36.97 | 53.05 |
| YLR081 | WI | 61 | 3 | 1 | 1 | 29 | 0.33 | 29.00 | 9.67 |
| YLR082 | WI | 61 | 1062 | 17 | 752 | 54860 | 0.71 | 72.95 | 51.66 |
| AMC001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| AMC002 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BAV001 | WI | 62 | 731 | 5 | 1615 | 91341 | 2.21 | 56.56 | 124.95 |
| BFT061 | WI | 62 | 557 | 16 | 1150 | 69013 | 2.06 | 60.01 | 123.90 |
| BFT062 | WI | 62 | 424 | 2 | 2 | 168 | 0.00 | 84.00 | 0.40 |
| BKD021 | WI | 62 | 285 | 26 | 860 | 76307 | 3.02 | 88.73 | 267.74 |
| BNT021 | WI | 62 | 466 | 10 | 260 | 31513 | 0.56 | 121.20 | 67.62 |
| BYF021 | WI | 62 | 2131 | 68 | 4855 | 1718058 | 2.28 | 353.87 | 806.22 |
| CRN001 | WI | 62 | 117 | 7 | 577 | 44497 | 4.93 | 77.12 | 380.32 |
| CTA021 | WI | 62 | 313 | 11 | 161 | 11727 | 0.51 | 72.84 | 37.47 |
| FAY001 | WI | 62 | 467 | 8 | 8 | 694 | 0.02 | 86.75 | 1.49 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| FLB010 | WI | 62 | 3 | 1 | 6 | 66 | 2.00 | 11.00 | 22.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GDN021 | WI | 62 | 418 | 6 | 414 | 126096 | 0.99 | 304.58 | 301.67 |
| GRV021 | WI | 62 | 106 | 2 | 213 | 2023 | 2.01 | 9.50 | 19.08 |
| HER001 | WI | 62 | 139 | 9 | 746 | 66556 | 5.37 | 89.22 | 478.82 |
| HWY021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LPA001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MLN001 | WI | 62 | 585 | 18 | 1283 | 58910 | 2.19 | 45.92 | 100.70 |
| MNR021 | WI | 62 | 92 | 13 | 16 | 1279 | 0.17 | 79.94 | 13.90 |
| MNR022 | WI | 62 | 109 | 4 | 4 | 173 | 0.04 | 43.25 | 1.59 |
| MSE021 | WI | 62 | 29 | 2 | 31 | 7273 | 1.07 | 234.61 | 250.79 |
| NFO021 | WI | 62 | 1051 | 7 | 257 | 53611 | 0.24 | 208.60 | 51.01 |
| NFO031 | WI | 62 | 1296 | 37 | 648 | 54208 | 0.50 | 83.65 | 41.83 |
| OGE021 | WI | 62 | 171 | 6 | 37 | 1645 | 0.22 | 44.46 | 9.62 |
| OLU021 | WI | 62 | 90 | 8 | 569 | 46149 | 6.32 | 81.11 | 512.77 |
| PHL021 | WI | 62 | 734 | 13 | 43 | 3345 | 0.06 | 77.79 | 4.56 |
| PHL031 | WI | 62 | 990 | 28 | 1200 | 96967 | 1.21 | 80.81 | 97.95 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRN021 | WI | 62 | 764 | 18 | 328 | 67397 | 0.43 | 205.48 | 88.22 |
| PTW001 | WI | 62 | 302 | 11 | 1665 | 147071 | 5.51 | 88.33 | 486.99 |
| RBL021 | WI | 62 | 134 | 6 | 82 | 9056 | 0.61 | 110.44 | 67.58 |
| RBL022 | WI | 62 | 173 | 6 | 6 | 642 | 0.03 | 107.00 | 3.71 |
| RBL023 | WI | 62 | 668 | 15 | 887 | 122092 | 1.33 | 137.65 | 182.77 |
| RES001 | WI | 62 | 100 | 3 | 3 | 290 | 0.03 | 96.67 | 2.90 |
| SOE001 | WI | 62 | 500 | 5 | 32 | 3529 | 0.06 | 110.28 | 7.06 |
| SQN001 | WI | 62 | 3 | 2 | 4 | 794 | 1.33 | 198.50 | 264.67 |
| SST061 | WI | 62 | 542 | 15 | 596 | 83753 | 1.10 | 140.53 | 154.53 |
| SST062 | WI | 62 | 586 | 12 | 19 | 1691 | 0.03 | 89.00 | 2.89 |
| SVN001 | WI | 62 | 290 | 18 | 2328 | 191845 | 8.03 | 82.41 | 661.53 |
| TST001 | WI | 62 | 300 | 1 | 1 | 60 | 0.00 | 60.00 | 0.20 |
| VAV001 | WI | 62 | 282 | 1 | 1 | 40 | 0.00 | 40.00 | 0.14 |
| WBI021 | WI | 62 | 3 | 1 | 3 | 804 | 1.00 | 268.00 | 268.00 |
| WBN021 | WI | 62 | 831 | 9 | 1889 | 694776 | 2.27 | 367.80 | 836.07 |
| WBN022 | WI | 62 | 435 | 18 | 1124 | 365629 | 2.58 | 325.29 | 840.53 |
| WHR021 | WI | 62 | 147 | 8 | 358 | 4489 | 2.44 | 12.54 | 30.54 |
| WHR022 | WI | 62 | 218 | 16 | 497 | 7082 | 2.28 | 14.25 | 32.49 |
| WHR023 | WI | 62 | 236 | 27 | 516 | 7187 | 2.19 | 13.93 | 30.45 |
| ALN001 | WI | 63 | 6 | 1 | 6 | 528 | 1.00 | 88.00 | 88.00 |
| AYR021 | WI | 63 | 812 | 11 | 1037 | 39131 | 1.28 | 37.73 | 48.19 |
| AYR022 | WI | 63 | 872 | 58 | 1787 | 385508 | 2.05 | 215.73 | 442.10 |
| BES021 | WI | 63 | 1057 | 40 | 471 | 184455 | 0.45 | 391.62 | 174.51 |
| BES022 | WI | 63 | 1082 | 28 | 340 | 47748 | 0.31 | 140.44 | 44.13 |
| BLD021 | WI | 63 | 629 | 16 | 525 | 104455 | 0.83 | 198.96 | 166.07 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CNR001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GER001 | WI | 63 | 435 | 8 | 456 | 71575 | 1.05 | 156.96 | 164.54 |
| GLA021 | WI | 63 | 75 | 7 | 161 | 34874 | 2.15 | 216.61 | 464.99 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 264 | 1.00 | 88.00 | 88.00 |
| HGN021 | WI | 63 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HUR021 | WI | 63 | 291 | 3 | 78 | 19623 | 0.27 | 251.58 | 67.43 |
| HUR022 | WI | 63 | 666 | 32 | 810 | 374507 | 1.22 | 462.35 | 562.32 |
| IHD021 | WI | 63 | 320 | 20 | 1102 | 466764 | 3.44 | 423.56 | 1458.64 |
| IRB001 | WI | 63 | 149 | 5 | 347 | 18007 | 2.33 | 51.89 | 120.85 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW001 | WI | 63 | 352 | 3 | 27 | 2422 | 0.08 | 89.70 | 6.88 |
| IRW002 | WI | 63 | 561 | 5 | 16 | 1453 | 0.03 | 90.81 | 2.59 |
| IRW003 | WI | 63 | 530 | 8 | 125 | 67501 | 0.24 | 540.01 | 127.36 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW005 | WI | 63 | 588 | 16 | 29 | 2647 | 0.05 | 91.28 | 4.50 |
| JKS021 | WI | 63 | 4 | 1 | 4 | 944 | 1.00 | 236.00 | 236.00 |
| LUP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MCO001 | WI | 63 | 201 | 2 | 227 | 20004 | 1.13 | 88.12 | 99.52 |
| MCO021 | WI | 63 | 392 | 17 | 475 | 50438 | 1.21 | 106.19 | 128.67 |
| MCR001 | WI | 63 | 3 | 1 | 1 | 24 | 0.33 | 24.00 | 8.00 |
| MCR021 | WI | 63 | 1668 | 73 | 5169 | 773993 | 3.10 | 149.74 | 464.02 |
| MEY021 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MNT001 | WI | 63 | 823 | 13 | 129 | 26152 | 0.16 | 202.73 | 31.78 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MRC022 | WI | 63 | 1507 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NRA001 | WI | 63 | 470 | 5 | 5 | 405 | 0.01 | 81.00 | 0.86 |
| NSI001 | WI | 63 | 628 | 4 | 4 | 265 | 0.01 | 66.25 | 0.42 |
| OJB021 | WI | 63 | 5 | 1 | 4 | 352 | 0.80 | 88.00 | 70.40 |
| PSI021 | WI | 63 | 1247 | 93 | 3688 | 539875 | 2.96 | 146.39 | 432.94 |
| RMS001 | WI | 63 | 613 | 21 | 1316 | 90025 | 2.15 | 68.41 | 146.86 |
| RTL021 | WI | 63 | 1034 | 79 | 2467 | 648208 | 2.39 | 262.75 | 626.89 |
| RTL022 | WI | 63 | 936 | 57 | 1583 | 223381 | 1.69 | 141.11 | 238.65 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUP021 | WI | 63 | 149 | 7 | 181 | 110432 | 1.21 | 610.12 | 741.15 |
| SXF021 | WI | 63 | 203 | 19 | 197 | 70086 | 0.97 | 355.77 | 345.25 |
| TLA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TWN021 | WI | 63 | 691 | 33 | 341 | 72060 | 0.49 | 211.32 | 104.28 |
| TWN022 | WI | 63 | 673 | 44 | 823 | 260193 | 1.22 | 316.15 | 386.62 |
| UPS001 | WI | 63 | 45 | 3 | 99 | 5583 | 2.20 | 56.39 | 124.07 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDB001 | WI | 63 | 7 | 3 | 9 | 935 | 1.29 | 103.89 | 133.57 |
| BYD001 | WI | 64 | 312 | 18 | 813 | 121293 | 2.61 | 149.19 | 388.76 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CTS021 | WI | 64 | 718 | 4 | 1468 | 36871 | 2.04 | 25.12 | 51.35 |
| GLM021 | WI | 64 | 473 | 13 | 33 | 2833 | 0.07 | 85.85 | 5.99 |
| LKH010 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LOY021 | WI | 64 | 958 | 40 | 1543 | 369313 | 1.61 | 239.35 | 385.50 |
| LOY022 | WI | 64 | 748 | 30 | 103 | 11624 | 0.14 | 112.85 | 15.54 |
| LYN021 | WI | 64 | 253 | 3 | 20 | 2393 | 0.08 | 119.65 | 9.46 |
| LYN022 | WI | 64 | 415 | 11 | 93 | 13748 | 0.22 | 147.83 | 33.13 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV021 | WI | 64 | 984 | 8 | 2680 | 721603 | 2.72 | 269.25 | 733.34 |
| NLV031 | WI | 64 | 584 | 10 | 1847 | 510559 | 3.16 | 276.43 | 874.24 |
| NLV032 | WI | 64 | 536 | 14 | 2948 | 531488 | 5.50 | 180.29 | 991.58 |
| NLV101 | WI | 64 | 596 | 9 | 365 | 66688 | 0.61 | 182.71 | 111.89 |
| NLV102 | WI | 64 | 466 | 40 | 2840 | 502191 | 6.09 | 176.83 | 1077.66 |
| NLV178 | WI | 64 | 574 | 4 | 580 | 65283 | 1.01 | 112.56 | 113.73 |
| NLV202 | WI | 64 | 614 | 3 | 613 | 69223 | 1.00 | 112.92 | 112.74 |
| OWN021 | WI | 64 | 1229 | 31 | 780 | 44872 | 0.63 | 57.53 | 36.51 |
| SPE021 | WI | 64 | 1001 | 14 | 594 | 64510 | 0.59 | 108.60 | 64.45 |
| STA081 | WI | 64 | 275 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA082 | WI | 64 | 701 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA083 | WI | 64 | 553 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STN001 | WI | 64 | 41 | 4 | 90 | 9027 | 2.20 | 100.30 | 220.17 |
| STN002 | WI | 64 | 921 | 145 | 3168 | 355978 | 3.44 | 112.37 | 386.51 |
| STN003 | WI | 64 | 381 | 31 | 1787 | 187489 | 4.69 | 104.92 | 492.10 |
| TCN081 | WI | 64 | 2048 | 38 | 2550 | 271559 | 1.25 | 106.49 | 132.60 |
| TCN091 | WI | 64 | 941 | 26 | 238 | 30763 | 0.25 | 129.26 | 32.69 |
| TCN092 | WI | 64 | 2132 | 31 | 477 | 42434 | 0.22 | 88.96 | 19.90 |
| TRP021 | WI | 64 | 499 | 24 | 957 | 174899 | 1.92 | 182.76 | 350.50 |
| TRP022 | WI | 64 | 911 | 7 | 1195 | 202862 | 1.31 | 169.76 | 222.68 |
| AUG021 | WI | 65 | 309 | 10 | 21 | 3151 | 0.07 | 150.05 | 10.20 |
| AUG022 | WI | 65 | 690 | 11 | 99 | 8953 | 0.14 | 90.43 | 12.98 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD061 | WI | 65 | 49 | 2 | 2 | 291 | 0.04 | 145.50 | 5.94 |
| CHF021 | WI | 65 | 641 | 3 | 22 | 1454 | 0.03 | 66.09 | 2.27 |
| CHF022 | WI | 65 | 1562 | 22 | 200 | 11702 | 0.13 | 58.51 | 7.49 |
| CHF023 | WI | 65 | 0 | 17 | 154 | 9180 | 0.00 | 59.61 | 0.00 |
| CHF024 | WI | 65 | 1358 | 28 | 447 | 38479 | 0.33 | 86.08 | 28.34 |
| CHF031 | WI | 65 | 420 | 7 | 239 | 16490 | 0.57 | 69.00 | 39.26 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CHF033 | WI | 65 | 559 | 5 | 5 | 330 | 0.01 | 66.00 | 0.59 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| EGP021 | WI | 65 | 2078 | 48 | 360 | 47371 | 0.17 | 131.59 | 22.80 |
| EGP022 | WI | 65 | 291 | 8 | 20 | 5873 | 0.07 | 293.65 | 20.18 |
| ELK001 | WI | 65 | 403 | 14 | 205 | 17823 | 0.51 | 86.94 | 44.23 |
| ELS021 | WI | 65 | 424 | 5 | 31 | 6066 | 0.07 | 195.68 | 14.31 |
| ELS022 | WI | 65 | 465 | 3 | 496 | 35890 | 1.07 | 72.36 | 77.18 |
| ELS023 | WI | 65 | 15 | 1 | 4 | 276 | 0.27 | 69.00 | 18.40 |
| ELS024 | WI | 65 | 97 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELS027 | WI | 65 | 2100 | 26 | 411 | 18266 | 0.20 | 44.44 | 8.70 |
| ELS031 | WI | 65 | 743 | 9 | 320 | 41253 | 0.43 | 128.92 | 55.52 |
| ELS032 | WI | 65 | 1168 | 10 | 243 | 15593 | 0.21 | 64.17 | 13.35 |
| ELS033 | WI | 65 | 1488 | 13 | 205 | 14070 | 0.14 | 68.63 | 9.46 |
| ELS034 | WI | 65 | 282 | 1 | 1 | 115 | 0.00 | 115.00 | 0.41 |
| FLC097 | WI | 65 | 605 | 11 | 29 | 3420 | 0.05 | 117.93 | 5.65 |
| FOL001 | WI | 65 | 253 | 4 | 52 | 5749 | 0.21 | 110.56 | 22.72 |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HAL062 | WI | 65 | 1611 | 29 | 603 | 46435 | 0.37 | 77.01 | 28.82 |
| HAL063 | WI | 65 | 1476 | 8 | 222 | 4216 | 0.15 | 18.99 | 2.86 |
| HAL072 | WI | 65 | 1149 | 18 | 270 | 15523 | 0.23 | 57.49 | 13.51 |
| HAL073 | WI | 65 | 397 | 28 | 687 | 49198 | 1.73 | 71.61 | 123.92 |
| HYD021 | WI | 65 | 22 | 1 | 1 | 63 | 0.05 | 63.00 | 2.86 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD031 | WI | 65 | 56 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD032 | WI | 65 | 2398 | 36 | 411 | 50895 | 0.17 | 123.83 | 21.22 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JIM021 | WI | 65 | 360 | 15 | 182 | 18801 | 0.51 | 103.30 | 52.23 |
| LON061 | WI | 65 | 1293 | 18 | 242 | 16216 | 0.19 | 67.01 | 12.54 |
| LON062 | WI | 65 | 455 | 11 | 1129 | 123703 | 2.48 | 109.57 | 271.87 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LON071 | WI | 65 | 654 | 3 | 118 | 27128 | 0.18 | 229.90 | 41.48 |
| LON072 | WI | 65 | 666 | 9 | 65 | 9837 | 0.10 | 151.34 | 14.77 |
| MAD061 | WI | 65 | 315 | 4 | 4 | 171 | 0.01 | 42.75 | 0.54 |
| MAD062 | WI | 65 | 930 | 56 | 1713 | 184993 | 1.84 | 107.99 | 198.92 |
| MAD071 | WI | 65 | 733 | 15 | 215 | 13233 | 0.29 | 61.55 | 18.05 |
| MAD072 | WI | 65 | 2103 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NAP021 | WI | 65 | 514 | 21 | 278 | 23696 | 0.54 | 85.24 | 46.10 |
| NAP022 | WI | 65 | 1398 | 30 | 2129 | 89547 | 1.52 | 42.06 | 64.05 |
| OTC021 | WI | 65 | 460 | 4 | 23 | 1180 | 0.05 | 51.30 | 2.57 |
| OTC022 | WI | 65 | 1565 | 28 | 192 | 21116 | 0.12 | 109.98 | 13.49 |
| OTC023 | WI | 65 | 1369 | 12 | 214 | 12425 | 0.16 | 58.06 | 9.08 |
| OTC031 | WI | 65 | 1697 | 30 | 396 | 47036 | 0.23 | 118.78 | 27.72 |
| OTC032 | WI | 65 | 1441 | 35 | 658 | 67121 | 0.46 | 102.01 | 46.58 |
| PRS563 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RVW021 | WI | 65 | 81 | 1 | 15 | 525 | 0.19 | 35.00 | 6.48 |
| SHW021 | WI | 65 | 262 | 13 | 473 | 41795 | 1.81 | 88.36 | 159.52 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| STE471 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STM021 | WI | 65 | 520 | 17 | 717 | 44193 | 1.38 | 61.64 | 84.99 |
| STM022 | WI | 65 | 990 | 12 | 1131 | 27820 | 1.14 | 24.60 | 28.10 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRX021 | WI | 65 | 953 | 35 | 1246 | 40671 | 1.31 | 32.64 | 42.68 |
| TRX022 | WI | 65 | 747 | 8 | 67 | 9472 | 0.09 | 141.37 | 12.68 |
| TRX023 | WI | 65 | 0 | 15 | 145 | 8994 | 0.00 | 62.03 | 0.00 |
| TRX031 | WI | 65 | 74 | 1 | 1 | 51 | 0.01 | 51.00 | 0.69 |
| TRX032 | WI | 65 | 1786 | 37 | 611 | 31908 | 0.34 | 52.22 | 17.87 |
| TRX033 | WI | 65 | 341 | 4 | 62 | 5734 | 0.18 | 92.48 | 16.82 |
| USR533 | WI | 65 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WIB569 | WI | 65 | 1235 | 35 | 488 | 38798 | 0.40 | 79.50 | 31.42 |
| ALM559 | WI | 66 | 508 | 9 | 41 | 7737 | 0.08 | 188.71 | 15.23 |
| ALM560 | WI | 66 | 15 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ARK081 | WI | 66 | 80 | 3 | 26 | 2622 | 0.33 | 100.85 | 32.78 |
| ARK082 | WI | 66 | 601 | 12 | 74 | 9467 | 0.12 | 127.93 | 15.75 |
| CEF081 | WI | 66 | 808 | 21 | 863 | 66643 | 1.07 | 77.22 | 82.48 |
| COC021 | WI | 66 | 397 | 13 | 272 | 36147 | 0.69 | 132.89 | 91.05 |
| DUR021 | WI | 66 | 482 | 7 | 251 | 17347 | 0.52 | 69.11 | 35.99 |
| DUR022 | WI | 66 | 1010 | 26 | 278 | 21218 | 0.28 | 76.32 | 21.01 |
| EGA021 | WI | 66 | 116 | 5 | 66 | 6180 | 0.57 | 93.64 | 53.28 |
| EGA022 | WI | 66 | 347 | 16 | 258 | 23432 | 0.74 | 90.82 | 67.53 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELM021 | WI | 66 | 218 | 9 | 9 | 1196 | 0.04 | 132.89 | 5.49 |
| ELM022 | WI | 66 | 585 | 14 | 220 | 22603 | 0.38 | 102.74 | 38.64 |
| HAY081 | WI | 66 | 645 | 14 | 1003 | 26870 | 1.56 | 26.79 | 41.66 |
| HAY082 | WI | 66 | 1685 | 13 | 1297 | 40139 | 0.77 | 30.95 | 23.82 |
| MDR021 | WI | 66 | 148 | 8 | 207 | 47671 | 1.40 | 230.29 | 322.10 |
| MEN021 | WI | 66 | 872 | 18 | 328 | 26246 | 0.38 | 80.02 | 30.10 |
| MEN022 | WI | 66 | 1527 | 18 | 405 | 21810 | 0.27 | 53.85 | 14.28 |
| MEN023 | WI | 66 | 343 | 3 | 115 | 3470 | 0.34 | 30.17 | 10.12 |
| MEN031 | WI | 66 | 25 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MEN032 | WI | 66 | 1779 | 38 | 811 | 57637 | 0.46 | 71.07 | 32.40 |
| NEL021 | WI | 66 | 245 | 2 | 2 | 90 | 0.01 | 45.00 | 0.37 |
| PEP021 | WI | 66 | 897 | 42 | 1015 | 70943 | 1.13 | 69.89 | 79.09 |
| RCD022 | WI | 66 | 101 | 1 | 6 | 984 | 0.06 | 164.00 | 9.74 |
| RCD023 | WI | 66 | 887 | 19 | 586 | 54749 | 0.66 | 93.43 | 61.72 |
| RCD024 | WI | 66 | 380 | 9 | 195 | 14164 | 0.51 | 72.64 | 37.27 |
| RCD031 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD032 | WI | 66 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCD033 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RSK021 | WI | 66 | 392 | 14 | 83 | 4775 | 0.21 | 57.53 | 12.18 |
| SPR021 | WI | 66 | 744 | 13 | 85 | 6744 | 0.11 | 79.34 | 9.06 |

# *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| WND081 | WI | 66 | 270 | 6 | 51 | 9105 | 0.19 | 178.53 | 33.72 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC117 | WI | 67 | 295 | 4 | 595 | 41977 | 2.02 | 70.55 | 142.29 |
| ALC118 | WI | 67 | 324 | 12 | 772 | 59875 | 2.38 | 77.56 | 184.80 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA021 | WI | 67 | 671 | 22 | 2251 | 474158 | 3.35 | 210.64 | 706.64 |
| BLA022 | WI | 67 | 17 | 3 | 51 | 15345 | 3.00 | 300.88 | 902.65 |
| BLA023 | WI | 67 | 557 | 10 | 1225 | 44345 | 2.20 | 36.20 | 79.61 |
| CAT021 | WI | 67 | 484 | 22 | 1022 | 50993 | 2.11 | 49.90 | 105.36 |
| CPM021 | WI | 67 | 0 | 1 | 3 | 360 | 0.00 | 120.00 | 0.00 |
| CPM022 | WI | 67 | 5 | 1 | 17 | 2040 | 3.40 | 120.00 | 408.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM032 | WI | 67 | 617 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM033 | WI | 67 | 394 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CSH021 | WI | 67 | 122 | 10 | 313 | 19118 | 2.57 | 61.08 | 156.70 |
| CSH022 | WI | 67 | 425 | 25 | 1598 | 155049 | 3.76 | 97.03 | 364.82 |
| CVA021 | WI | 67 | 668 | 34 | 3063 | 676319 | 4.59 | 220.80 | 1012.45 |
| CVA022 | WI | 67 | 364 | 21 | 1700 | 360835 | 4.67 | 212.26 | 991.30 |
| ETK021 | WI | 67 | 335 | 8 | 408 | 16706 | 1.22 | 40.95 | 49.87 |
| GAL021 | WI | 67 | 1238 | 32 | 887 | 144759 | 0.72 | 163.20 | 116.93 |
| GVA021 | WI | 67 | 309 | 9 | 784 | 75402 | 2.54 | 96.18 | 244.02 |
| HAF001 | WI | 67 | 108 | 2 | 340 | 43180 | 3.15 | 127.00 | 399.81 |
| MER021 | WI | 67 | 754 | 15 | 100 | 24671 | 0.13 | 246.71 | 32.72 |
| MLS021 | WI | 67 | 514 | 9 | 1180 | 25377 | 2.30 | 21.51 | 49.37 |
| MLS022 | WI | 67 | 0 | 1 | 3 | 30 | 0.00 | 10.00 | 0.00 |
| RKL021 | WI | 67 | 699 | 28 | 264 | 36866 | 0.38 | 139.64 | 52.74 |
| SPA021 | WI | 67 | 175 | 3 | 3 | 248 | 0.02 | 82.67 | 1.42 |
| SPA022 | WI | 67 | 1683 | 24 | 773 | 35210 | 0.46 | 45.55 | 20.92 |
| SPA031 | WI | 67 | 1560 | 14 | 190 | 11656 | 0.12 | 61.35 | 7.47 |
| SPA032 | WI | 67 | 1775 | 51 | 1097 | 126287 | 0.62 | 115.12 | 71.15 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRE021 | WI | 67 | 18 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| VIR002 | WI | 67 | 498 | 5 | 64 | 11165 | 0.13 | 174.45 | 22.42 |
| VIR003 | WI | 67 | 893 | 11 | 256 | 22424 | 0.29 | 87.59 | 25.11 |
| VIR061 | WI | 67 | 1298 | 40 | 846 | 52213 | 0.65 | 61.72 | 40.23 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WHH022 | WI | 67 | 559 | 16 | 640 | 39045 | 1.14 | 61.01 | 69.85 |
| WHH023 | WI | 67 | 745 | 15 | 539 | 39389 | 0.72 | 73.08 | 52.87 |
| WSM081 | WI | 67 | 1199 | 41 | 1617 | 295876 | 1.35 | 182.98 | 246.77 |

## *Xcel Energy North 1999 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| WSM091 | WI | 67 | 1948 | 45 | 1060 | 82227 | 0.54 | 77.57 | 42.21 |
| WSM092 | WI | 67 | 1085 | 8 | 27 | 5200 | 0.02 | 192.59 | 4.79 |
| COU061 | WI | 68 | 1561 | 15 | 275 | 28556 | 0.18 | 103.84 | 18.29 |
| COU062 | WI | 68 | 1371 | 19 | 158 | 23211 | 0.12 | 146.91 | 16.93 |
| COU068 | WI | 68 | 1874 | 38 | 529 | 73657 | 0.28 | 139.24 | 39.30 |
| COU069 | WI | 68 | 468 | 14 | 43 | 9116 | 0.09 | 212.00 | 19.48 |
| COU071 | WI | 68 | 1271 | 11 | 169 | 23268 | 0.13 | 137.68 | 18.31 |
| COU077 | WI | 68 | 1765 | 29 | 512 | 59930 | 0.29 | 117.05 | 33.95 |
| COU078 | WI | 68 | 1211 | 16 | 1381 | 212442 | 1.14 | 153.83 | 175.43 |
| COU079 | WI | 68 | 546 | 5 | 73 | 2581 | 0.13 | 35.36 | 4.73 |
| FEN061 | WI | 68 | 1182 | 17 | 1559 | 121715 | 1.32 | 78.07 | 102.97 |
| FEN062 | WI | 68 | 483 | 7 | 1149 | 77316 | 2.38 | 67.29 | 160.07 |
| FEN063 | WI | 68 | 597 | 2 | 22 | 516 | 0.04 | 23.45 | 0.86 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FEN072 | WI | 68 | 847 | 6 | 66 | 15022 | 0.08 | 227.61 | 17.74 |
| FEN073 | WI | 68 | 946 | 9 | 1188 | 145852 | 1.26 | 122.77 | 154.18 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GEN197 | WI | 68 | 760 | 10 | 1617 | 223461 | 2.13 | 138.19 | 294.03 |
| GEN198 | WI | 68 | 268 | 4 | 545 | 123817 | 2.03 | 227.19 | 462.00 |
| HLA062 | WI | 68 | 1417 | 13 | 243 | 29889 | 0.17 | 123.00 | 21.09 |
| HLA063 | WI | 68 | 0 | 30 | 1856 | 84897 | 0.00 | 45.74 | 0.00 |
| HLA071 | WI | 68 | 1205 | 1 | 1 | 153 | 0.00 | 153.00 | 0.13 |
| LAX062 | WI | 68 | 1845 | 26 | 235 | 16863 | 0.13 | 71.76 | 9.14 |
| LAX063 | WI | 68 | 1484 | 16 | 285 | 28621 | 0.19 | 100.42 | 19.29 |
| LAX065 | WI | 68 | 953 | 4 | 18 | 1125 | 0.02 | 62.50 | 1.18 |
| LAX067 | WI | 68 | 787 | 9 | 45 | 3905 | 0.06 | 86.78 | 4.96 |
| LAX074 | WI | 68 | 631 | 11 | 50 | 9851 | 0.08 | 197.02 | 15.61 |
| LAX075 | WI | 68 | 1601 | 23 | 151 | 13773 | 0.09 | 91.21 | 8.60 |
| LAX076 | WI | 68 | 1153 | 18 | 91 | 7052 | 0.08 | 77.49 | 6.12 |
| LAX077 | WI | 68 | 1098 | 22 | 1424 | 108710 | 1.30 | 76.34 | 99.01 |
| MAF061 | WI | 68 | 269 | 4 | 616 | 36377 | 2.29 | 59.05 | 135.23 |
| MAF062 | WI | 68 | 46 | 1 | 46 | 1840 | 1.00 | 40.00 | 40.00 |
| MAF063 | WI | 68 | 1541 | 4 | 219 | 24905 | 0.14 | 113.72 | 16.16 |
| MAF071 | WI | 68 | 1043 | 11 | 229 | 39788 | 0.22 | 173.75 | 38.15 |
| MAF072 | WI | 68 | 631 | 17 | 308 | 38087 | 0.49 | 123.66 | 60.36 |
| ONA061 | WI | 68 | 2208 | 28 | 455 | 58688 | 0.21 | 128.98 | 26.58 |
| ONA062 | WI | 68 | 939 | 17 | 213 | 17378 | 0.23 | 81.59 | 18.51 |
| SWC061 | WI | 68 | 353 | 8 | 158 | 19907 | 0.45 | 125.99 | 56.39 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SWC071 | WI | 68 | 255 | 1 | 20 | 740 | 0.08 | 37.00 | 2.90 |
| SWC072 | WI | 68 | 1178 | 14 | 118 | 10252 | 0.10 | 86.88 | 8.70 |

# *Xcel Energy Wisconsin Reliability Indices for year 1998*

| System Aggregate Numbers *With Storms* | | | System Aggregate Numbers *Without Storms* | | |
|---|---|---|---|---|---|
| **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 1.66 | 237.25 | 394.70 | 0.91 | 104.49 | 95.23 |

| | Aggregate numbers by Operating Area *With Storms* | | | Aggregate numbers by Operating Area *Without Storms* | | |
|---|---|---|---|---|---|---|
| | **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 60 Indianhead – Amery | 1.40 | 167.91 | 234.41 | 0.85 | 124.66 | 105.52 |
| 61 Lakes-Rice Lake | 1.74 | 219.09 | 382.24 | 0.86 | 111.40 | 96.35 |
| 62 Lake Superior – Ashland | 2.32 | 98.06 | 227.28 | 1.39 | 81.47 | 113.08 |
| 63 Range – Ironwood | 2.30 | 144.78 | 333.69 | 1.35 | 130.19 | 175.91 |
| 64 Central East – Abbotsford | 1.89 | 98.15 | 185.13 | 1.07 | 48.59 | 52.13 |
| 65 Central Metro – Eau Claire | 1.50 | 153.33 | 230.64 | 0.92 | 59.29 | 54.28 |
| 66 Central West – Menomenie | 2.24 | 257.59 | 577.53 | 1.33 | 148.10 | 197.15 |
| 67 Southern – Blair/Sparta | 1.62 | 736.21 | 1190.67 | 0.62 | 162.96 | 101.15 |
| 68 LaCrosse | 1.00 | 369.31 | 368.22 | 0.42 | 137.66 | 57.61 |

# *Year 1998 Reliability Indices*

## *With Storms*

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| | **Grand Total** | | 234696 | | 390454 | 92634803 | 1.66 | 237.25 | 394.70 |
| | **60 Total** | | 30412 | | 42457 | 7128871 | 1.40 | 167.91 | 234.41 |
| | **61 Total** | | 23455 | | 40921 | 8965475 | 1.74 | 219.09 | 382.24 |
| | **62 Total** | | 17871 | | 41421 | 4061719 | 2.32 | 98.06 | 227.28 |
| | **63 Total** | | 20597 | | 47471 | 6872932 | 2.30 | 144.78 | 333.69 |
| | **64 Total** | | 19870 | | 37479 | 3678587 | 1.89 | 98.15 | 185.13 |
| | **65 Total** | | 46428 | | 69838 | 10708012 | 1.50 | 153.33 | 230.64 |
| | **66 Total** | | 16119 | | 36140 | 9309227 | 2.24 | 257.59 | 577.53 |
| | **67 Total** | | 24120 | | 39009 | 28718874 | 1.62 | 736.21 | 1190.67 |
| | **68 Total** | | 35824 | | 35718 | 13191106 | 1.00 | 369.31 | 368.22 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AMY001 | WI | 60 | 563 | 7 | 113 | 13076 | 0.20 | 115.72 | 23.23 |
| BAY021 | WI | 60 | 793 | 49 | 2719 | 702878 | 3.43 | 258.51 | 886.35 |
| BEA414 | WI | 60 | 820 | 47 | 686 | 150767 | 0.84 | 219.78 | 183.86 |
| BEA415 | WI | 60 | 377 | 11 | 487 | 7865 | 1.29 | 16.15 | 20.86 |
| CLL081 | WI | 60 | 486 | 36 | 347 | 43060 | 0.71 | 124.09 | 88.60 |
| CLL082 | WI | 60 | 397 | 7 | 380 | 34942 | 0.96 | 91.95 | 88.02 |
| CUM081 | WI | 60 | 218 | 20 | 842 | 165634 | 3.86 | 196.71 | 759.79 |
| CUM082 | WI | 60 | 101 | 4 | 28 | 1954 | 0.28 | 69.79 | 19.35 |
| ELL021 | WI | 60 | 1027 | 22 | 353 | 58631 | 0.34 | 166.09 | 57.09 |
| ELL022 | WI | 60 | 308 | 6 | 26 | 1962 | 0.08 | 75.46 | 6.37 |
| GLN393 | WI | 60 | 598 | 2 | 86 | 1078 | 0.14 | 12.53 | 1.80 |
| GMT021 | WI | 60 | 197 | 18 | 247 | 26972 | 1.25 | 109.20 | 136.91 |
| GST021 | WI | 60 | 394 | 9 | 9 | 1199 | 0.02 | 133.22 | 3.04 |
| GST023 | WI | 60 | 565 | 9 | 1191 | 66346 | 2.11 | 55.71 | 117.43 |
| HUN021 | WI | 60 | 2 | 5 | 543 | 33072 | 271.50 | 60.91 | 16536.00 |
| KIN081 | WI | 60 | 361 | 42 | 1095 | 229144 | 3.03 | 209.26 | 634.75 |
| LKC081 | WI | 60 | 1221 | 65 | 2973 | 387798 | 2.43 | 130.44 | 317.61 |
| LUK021 | WI | 60 | 1017 | 27 | 423 | 68683 | 0.42 | 162.37 | 67.53 |
| NOM021 | WI | 60 | 16 | 1 | 16 | 1104 | 1.00 | 69.00 | 69.00 |
| OPK010 | WI | 60 | 346 | 12 | 72 | 22475 | 0.21 | 312.15 | 64.96 |
| OPK011 | WI | 60 | 9 | 3 | 425 | 69882 | 47.22 | 164.43 | 7764.67 |
| OSC021 | WI | 60 | 1221 | 23 | 3004 | 237651 | 2.46 | 79.11 | 194.64 |
| OSC022 | WI | 60 | 724 | 24 | 1220 | 109024 | 1.69 | 89.36 | 150.59 |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRE021 | WI | 60 | 1204 | 43 | 756 | 130744 | 0.63 | 172.94 | 108.59 |
| PRE022 | WI | 60 | 663 | 21 | 1396 | 248335 | 2.11 | 177.89 | 374.56 |
| RIC081 | WI | 60 | 1968 | 80 | 1872 | 499709 | 0.95 | 266.94 | 253.92 |
| RIC082 | WI | 60 | 25 | 1 | 2 | 144 | 0.08 | 72.00 | 5.76 |
| RSH081 | WI | 60 | 1983 | 45 | 3280 | 680458 | 1.65 | 207.46 | 343.15 |
| RSH091 | WI | 60 | 943 | 46 | 2681 | 444829 | 2.84 | 165.92 | 471.72 |
| RSH092 | WI | 60 | 286 | 9 | 26 | 5526 | 0.09 | 212.54 | 19.32 |
| SCF024 | WI | 60 | 177 | 17 | 152 | 11318 | 0.86 | 74.46 | 63.94 |
| SCF025 | WI | 60 | 949 | 13 | 407 | 53825 | 0.43 | 132.25 | 56.72 |
| TUR021 | WI | 60 | 284 | 2 | 249 | 135456 | 0.88 | 544.00 | 476.96 |
| TUR022 | WI | 60 | 341 | 5 | 426 | 189675 | 1.25 | 445.25 | 556.23 |
| TWT081 | WI | 60 | 1097 | 31 | 347 | 65625 | 0.32 | 189.12 | 59.82 |
| WLR081 | WI | 60 | 604 | 25 | 257 | 46630 | 0.43 | 181.44 | 77.20 |
| WLR082 | WI | 60 | 2160 | 96 | 7307 | 1229846 | 3.38 | 168.31 | 569.37 |
| WLR091 | WI | 60 | 2216 | 31 | 1827 | 96071 | 0.82 | 52.58 | 43.35 |
| WLR092 | WI | 60 | 3734 | 36 | 4187 | 855483 | 1.12 | 204.32 | 229.11 |
| BIR021 | WI | 61 | 903 | 53 | 1617 | 384055 | 1.79 | 237.51 | 425.31 |
| BIR022 | WI | 61 | 565 | 37 | 479 | 96754 | 0.85 | 201.99 | 171.25 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BRU021 | WI | 61 | 1174 | 41 | 1878 | 391444 | 1.60 | 208.44 | 333.43 |
| CAB021 | WI | 61 | 470 | 7 | 7 | 2076 | 0.01 | 296.57 | 4.42 |
| CAB022 | WI | 61 | 468 | 36 | 1082 | 215701 | 2.31 | 199.35 | 460.90 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CAB023 | WI | 61 | 0 | 18 | 789 | 190839 | 0.00 | 241.87 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CMR021 | WI | 61 | 1078 | 26 | 1306 | 409047 | 1.21 | 313.21 | 379.45 |
| CON021 | WI | 61 | 310 | 17 | 205 | 127263 | 0.66 | 620.80 | 410.53 |
| DEW021 | WI | 61 | 209 | 15 | 636 | 152414 | 3.04 | 239.64 | 729.25 |
| DRM021 | WI | 61 | 193 | 6 | 143 | 46936 | 0.74 | 328.22 | 243.19 |
| EWA001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FIN021 | WI | 61 | 654 | 7 | 56 | 28045 | 0.09 | 500.80 | 42.88 |
| FIN022 | WI | 61 | 1917 | 94 | 3107 | 578093 | 1.62 | 186.06 | 301.56 |
| HAW001 | WI | 61 | 228 | 2 | 2 | 426 | 0.01 | 213.00 | 1.87 |
| HWD021 | WI | 61 | 531 | 15 | 219 | 103493 | 0.41 | 472.57 | 194.90 |
| HWD022 | WI | 61 | 658 | 33 | 1051 | 88169 | 1.60 | 83.89 | 134.00 |
| HWK021 | WI | 61 | 224 | 1 | 10 | 200 | 0.04 | 20.00 | 0.89 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OPY081 | WI | 61 | 580 | 2 | 27 | 2128 | 0.05 | 78.81 | 3.67 |
| PMP001 | WI | 61 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| POK061 | WI | 61 | 782 | 14 | 573 | 130100 | 0.73 | 227.05 | 166.37 |
| POK062 | WI | 61 | 877 | 24 | 1808 | 961691 | 2.06 | 531.91 | 1096.57 |
| RCL021 | WI | 61 | 51 | 4 | 57 | 3092 | 1.12 | 54.25 | 60.63 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCL031 | WI | 61 | 1356 | 77 | 5188 | 518098 | 3.83 | 99.86 | 382.08 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RID081 | WI | 61 | 525 | 23 | 209 | 31260 | 0.40 | 149.57 | 59.54 |
| RID082 | WI | 61 | 735 | 35 | 741 | 99392 | 1.01 | 134.13 | 135.23 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SLD021 | WI | 61 | 282 | 9 | 364 | 301487 | 1.29 | 828.26 | 1069.10 |
| SND021 | WI | 61 | 2491 | 158 | 10083 | 2265095 | 4.05 | 224.64 | 909.31 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TAD021 | WI | 61 | 335 | 14 | 1015 | 112777 | 3.03 | 111.11 | 336.65 |
| THA001 | WI | 61 | 0 | 2 | 2 | 593 | 0.00 | 296.50 | 0.00 |
| TNY021 | WI | 61 | 338 | 24 | 1243 | 370189 | 3.68 | 297.82 | 1095.23 |
| TRL081 | WI | 61 | 1093 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRL082 | WI | 61 | 82 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDM081 | WI | 61 | 746 | 41 | 768 | 208370 | 1.03 | 271.32 | 279.32 |
| WTH001 | WI | 61 | 3 | 1 | 3 | 1800 | 1.00 | 600.00 | 600.00 |
| WTL061 | WI | 61 | 1393 | 37 | 3214 | 516002 | 2.31 | 160.55 | 370.42 |
| WTL062 | WI | 61 | 1127 | 45 | 1597 | 518176 | 1.42 | 324.47 | 459.78 |
| YLR081 | WI | 61 | 3 | 2 | 4 | 306 | 1.33 | 76.50 | 102.00 |
| YLR082 | WI | 61 | 1062 | 22 | 1438 | 109964 | 1.35 | 76.47 | 103.54 |
| AMC001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| AMC002 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BAV001 | WI | 62 | 731 | 4 | 827 | 72450 | 1.13 | 87.61 | 99.11 |
| BFT061 | WI | 62 | 557 | 11 | 1267 | 242729 | 2.27 | 191.58 | 435.78 |
| BFT062 | WI | 62 | 424 | 5 | 378 | 7701 | 0.89 | 20.37 | 18.16 |
| BKD021 | WI | 62 | 285 | 23 | 887 | 79407 | 3.11 | 89.52 | 278.62 |
| BNT021 | WI | 62 | 466 | 29 | 2319 | 285947 | 4.98 | 123.31 | 613.62 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| BYF021 | WI | 62 | 2131 | 100 | 9736 | 906594 | 4.57 | 93.12 | 425.43 |
| CRN001 | WI | 62 | 117 | 1 | 1 | 80 | 0.01 | 80.00 | 0.68 |
| CTA021 | WI | 62 | 313 | 24 | 614 | 87761 | 1.96 | 142.93 | 280.39 |
| FAY001 | WI | 62 | 467 | 9 | 562 | 11587 | 1.20 | 20.62 | 24.81 |
| FLB010 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GDN021 | WI | 62 | 418 | 23 | 1233 | 83095 | 2.95 | 67.39 | 198.79 |
| GRV021 | WI | 62 | 106 | 1 | 106 | 3180 | 1.00 | 30.00 | 30.00 |
| HER001 | WI | 62 | 139 | 4 | 8 | 1999 | 0.06 | 249.88 | 14.38 |
| HWY021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LPA001 | WI | 62 | 3 | 1 | 3 | 210 | 1.00 | 70.00 | 70.00 |
| MLN001 | WI | 62 | 585 | 12 | 1850 | 111495 | 3.16 | 60.27 | 190.59 |
| MNR021 | WI | 62 | 92 | 10 | 207 | 19620 | 2.25 | 94.78 | 213.26 |
| MNR022 | WI | 62 | 109 | 3 | 215 | 12584 | 1.97 | 58.53 | 115.45 |
| MSE001 | WI | 62 | 31 | 5 | 155 | 14570 | 5.00 | 94.00 | 470.00 |
| MSE021 | WI | 62 | 29 | 1 | 28 | 1960 | 0.97 | 70.00 | 67.59 |
| NFO021 | WI | 62 | 1051 | 9 | 868 | 45092 | 0.83 | 51.95 | 42.90 |
| NFO031 | WI | 62 | 1296 | 50 | 5133 | 589601 | 3.96 | 114.86 | 454.94 |
| OGE021 | WI | 62 | 171 | 7 | 361 | 27564 | 2.11 | 76.35 | 161.19 |
| OLU021 | WI | 62 | 90 | 5 | 92 | 15973 | 1.02 | 173.62 | 177.48 |
| PHL021 | WI | 62 | 734 | 14 | 268 | 42711 | 0.37 | 159.37 | 58.19 |
| PHL031 | WI | 62 | 990 | 30 | 698 | 153685 | 0.71 | 220.18 | 155.24 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRN021 | WI | 62 | 764 | 31 | 377 | 43375 | 0.49 | 115.05 | 56.77 |
| PTW001 | WI | 62 | 302 | 8 | 55 | 10659 | 0.18 | 193.80 | 35.29 |
| RBL021 | WI | 62 | 134 | 11 | 156 | 10461 | 1.16 | 67.06 | 78.07 |
| RBL022 | WI | 62 | 173 | 15 | 206 | 27714 | 1.19 | 134.53 | 160.20 |
| RBL023 | WI | 62 | 668 | 11 | 1406 | 98496 | 2.10 | 70.05 | 147.45 |
| RES001 | WI | 62 | 100 | 38 | 1714 | 95728 | 17.14 | 55.85 | 957.28 |
| SOE001 | WI | 62 | 500 | 7 | 508 | 10658 | 1.02 | 20.98 | 21.32 |
| SQN001 | WI | 62 | 3 | 3 | 7 | 1479 | 2.33 | 211.29 | 493.00 |
| SST061 | WI | 62 | 542 | 16 | 1748 | 168375 | 3.23 | 96.32 | 310.65 |
| SST062 | WI | 62 | 586 | 9 | 1260 | 161590 | 2.15 | 128.25 | 275.75 |
| SVN001 | WI | 62 | 290 | 17 | 2475 | 236358 | 8.53 | 95.50 | 815.03 |
| TST001 | WI | 62 | 300 | 6 | 855 | 39628 | 2.85 | 46.35 | 132.09 |
| VAV001 | WI | 62 | 282 | 6 | 418 | 8268 | 1.48 | 19.78 | 29.32 |
| WBI021 | WI | 62 | 3 | 1 | 3 | 255 | 1.00 | 85.00 | 85.00 |
| WBN021 | WI | 62 | 831 | 19 | 1101 | 103382 | 1.32 | 93.90 | 124.41 |
| WBN022 | WI | 62 | 435 | 12 | 584 | 72228 | 1.34 | 123.68 | 166.04 |
| WHR021 | WI | 62 | 147 | 9 | 331 | 53296 | 2.25 | 161.02 | 362.56 |
| WHR022 | WI | 62 | 218 | 9 | 37 | 11619 | 0.17 | 314.03 | 53.30 |
| WHR023 | WI | 62 | 236 | 10 | 364 | 90555 | 1.54 | 248.78 | 383.71 |
| ALN001 | WI | 63 | 6 | 3 | 13 | 1379 | 2.17 | 106.08 | 229.83 |
| AYR021 | WI | 63 | 812 | 13 | 806 | 72596 | 0.99 | 90.07 | 89.40 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AYR022 | WI | 63 | 872 | 38 | 1338 | 188117 | 1.53 | 140.60 | 215.73 |
| BES021 | WI | 63 | 1057 | 11 | 820 | 135092 | 0.78 | 164.75 | 127.81 |
| BES022 | WI | 63 | 1082 | 3 | 12 | 1660 | 0.01 | 138.33 | 1.53 |
| BLD021 | WI | 63 | 629 | 17 | 1515 | 328221 | 2.41 | 216.65 | 521.81 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CNR001 | WI | 63 | 3 | 1 | 6 | 1338 | 2.00 | 223.00 | 446.00 |
| DST001 | WI | 63 | 190 | 5 | 761 | 58495 | 4.01 | 76.87 | 307.87 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GER001 | WI | 63 | 435 | 8 | 1041 | 65221 | 2.39 | 62.65 | 149.93 |
| GLA021 | WI | 63 | 75 | 4 | 85 | 15566 | 1.13 | 183.13 | 207.55 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 468 | 1.00 | 156.00 | 156.00 |
| HGN021 | WI | 63 | 6 | 2 | 7 | 1542 | 1.17 | 220.29 | 257.00 |
| HUR021 | WI | 63 | 291 | 4 | 307 | 26156 | 1.05 | 85.20 | 89.88 |
| HUR022 | WI | 63 | 666 | 19 | 1484 | 146666 | 2.23 | 98.83 | 220.22 |
| IHD021 | WI | 63 | 320 | 22 | 1854 | 393447 | 5.79 | 212.22 | 1229.52 |
| IRB001 | WI | 63 | 149 | 6 | 500 | 26691 | 3.36 | 53.38 | 179.13 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW001 | WI | 63 | 352 | 3 | 15 | 1158 | 0.04 | 77.20 | 3.29 |
| IRW002 | WI | 63 | 561 | 7 | 148 | 31365 | 0.26 | 211.93 | 55.91 |
| IRW003 | WI | 63 | 530 | 3 | 39 | 5447 | 0.07 | 139.67 | 10.28 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW005 | WI | 63 | 588 | 23 | 521 | 64427 | 0.89 | 123.66 | 109.57 |
| JKS021 | WI | 63 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LUP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MCO001 | WI | 63 | 201 | 6 | 229 | 36002 | 1.14 | 157.21 | 179.11 |
| MCO021 | WI | 63 | 392 | 27 | 789 | 135491 | 2.01 | 171.72 | 345.64 |
| MCR001 | WI | 63 | 3 | 1 | 1 | 615 | 0.33 | 615.00 | 205.00 |
| MCR021 | WI | 63 | 1668 | 109 | 8314 | 997778 | 4.98 | 120.01 | 598.19 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 669 | 1.00 | 223.00 | 223.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MNT001 | WI | 63 | 823 | 19 | 5214 | 297573 | 6.34 | 57.07 | 361.57 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MRC022 | WI | 63 | 1507 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NRA001 | WI | 63 | 470 | 6 | 65 | 6043 | 0.14 | 92.97 | 12.86 |
| NSI001 | WI | 63 | 628 | 7 | 739 | 52026 | 1.18 | 70.40 | 82.84 |
| OJB021 | WI | 63 | 5 | 2 | 8 | 1024 | 1.60 | 128.00 | 204.80 |
| PSI021 | WI | 63 | 1247 | 109 | 7095 | 1496410 | 5.69 | 210.91 | 1200.01 |
| RMS001 | WI | 63 | 613 | 16 | 1876 | 436325 | 3.06 | 232.58 | 711.79 |
| RTL021 | WI | 63 | 1034 | 103 | 3497 | 522415 | 3.38 | 149.39 | 505.24 |
| RTL022 | WI | 63 | 936 | 91 | 4646 | 828689 | 4.96 | 178.37 | 885.35 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUP021 | WI | 63 | 149 | 9 | 176 | 19170 | 1.18 | 108.92 | 128.66 |
| SXF021 | WI | 63 | 203 | 10 | 265 | 42141 | 1.31 | 159.02 | 207.59 |
| TLA001 | WI | 63 | 1 | 1 | 1 | 223 | 1.00 | 223.00 | 223.00 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| TWN021 | WI | 63 | 691 | 25 | 1617 | 201690 | 2.34 | 124.73 | 291.88 |
| TWN022 | WI | 63 | 673 | 26 | 1563 | 223004 | 2.32 | 142.68 | 331.36 |
| UPS001 | WI | 63 | 45 | 2 | 96 | 10272 | 2.13 | 107.00 | 228.27 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDB001 | WI | 63 | 7 | 2 | 2 | 320 | 0.29 | 160.00 | 45.71 |
| BYD001 | WI | 64 | 312 | 15 | 1174 | 74783 | 3.76 | 63.70 | 239.69 |
| CTS021 | WI | 64 | 718 | 9 | 556 | 135870 | 0.77 | 244.37 | 189.23 |
| GLM021 | WI | 64 | 473 | 20 | 705 | 169638 | 1.49 | 240.62 | 358.64 |
| LKH010 | WI | 64 | 3 | 4 | 12 | 2277 | 4.00 | 189.75 | 759.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LOY021 | WI | 64 | 958 | 22 | 3157 | 447582 | 3.30 | 141.77 | 467.20 |
| LOY022 | WI | 64 | 748 | 23 | 1814 | 172906 | 2.43 | 95.32 | 231.16 |
| LYN021 | WI | 64 | 253 | 14 | 229 | 30558 | 0.91 | 133.44 | 120.78 |
| LYN022 | WI | 64 | 415 | 8 | 38 | 2494 | 0.09 | 65.63 | 6.01 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV021 | WI | 64 | 984 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV031 | WI | 64 | 584 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV032 | WI | 64 | 536 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV101 | WI | 64 | 596 | 4 | 5 | 1149 | 0.01 | 229.80 | 1.93 |
| NLV102 | WI | 64 | 466 | 3 | 12 | 191 | 0.03 | 15.92 | 0.41 |
| NLV178 | WI | 64 | 574 | 16 | 110 | 15828 | 0.19 | 143.89 | 27.57 |
| NLV202 | WI | 64 | 614 | 16 | 173 | 15600 | 0.28 | 90.17 | 25.41 |
| OWN021 | WI | 64 | 1229 | 54 | 5587 | 486792 | 4.55 | 87.13 | 396.09 |
| SPE021 | WI | 64 | 1001 | 22 | 224 | 34138 | 0.22 | 152.40 | 34.10 |
| STA081 | WI | 64 | 275 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA082 | WI | 64 | 701 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA083 | WI | 64 | 553 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STN001 | WI | 64 | 41 | 7 | 176 | 6158 | 4.29 | 34.99 | 150.20 |
| STN002 | WI | 64 | 921 | 15 | 3796 | 136949 | 4.12 | 36.08 | 148.70 |
| STN003 | WI | 64 | 381 | 13 | 1901 | 119617 | 4.99 | 62.92 | 313.96 |
| TCN081 | WI | 64 | 2048 | 55 | 8584 | 1191911 | 4.19 | 138.85 | 581.99 |
| TCN091 | WI | 64 | 941 | 58 | 3607 | 442547 | 3.83 | 122.69 | 470.29 |
| TCN092 | WI | 64 | 2132 | 19 | 194 | 8667 | 0.09 | 44.68 | 4.07 |
| TRP021 | WI | 64 | 499 | 35 | 2226 | 85633 | 4.46 | 38.47 | 171.61 |
| TRP022 | WI | 64 | 911 | 10 | 3199 | 97299 | 3.51 | 30.42 | 106.80 |
| AUG021 | WI | 65 | 309 | 9 | 349 | 64042 | 1.13 | 183.50 | 207.26 |
| AUG022 | WI | 65 | 690 | 13 | 2192 | 309511 | 3.18 | 141.20 | 448.57 |
| BLR001 | WI | 65 | 10 | 2 | 5 | 729 | 0.50 | 145.80 | 72.90 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD061 | WI | 65 | 49 | 3 | 121 | 4296 | 2.47 | 35.50 | 87.67 |
| CHF021 | WI | 65 | 641 | 5 | 591 | 32776 | 0.92 | 55.46 | 51.13 |
| CHF022 | WI | 65 | 1562 | 30 | 2455 | 113533 | 1.57 | 46.25 | 72.68 |
| CHF023 | WI | 65 | 0 | 27 | 1045 | 49922 | 0.00 | 47.77 | 0.00 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CHF024 | WI | 65 | 1358 | 41 | 5218 | 573239 | 3.84 | 109.86 | 422.12 |
| CHF031 | WI | 65 | 420 | 6 | 143 | 8668 | 0.34 | 60.62 | 20.64 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CHF033 | WI | 65 | 559 | 8 | 27 | 2037 | 0.05 | 75.44 | 3.64 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR198 | WI | 65 | 3 | 1 | 1 | 412 | 0.33 | 412.00 | 137.33 |
| EGP021 | WI | 65 | 2078 | 68 | 2236 | 354883 | 1.08 | 158.71 | 170.78 |
| EGP022 | WI | 65 | 291 | 15 | 39 | 3933 | 0.13 | 100.85 | 13.52 |
| ELK001 | WI | 65 | 403 | 24 | 1333 | 219678 | 3.31 | 164.80 | 545.11 |
| ELS021 | WI | 65 | 424 | 8 | 855 | 95996 | 2.02 | 112.28 | 226.41 |
| ELS022 | WI | 65 | 465 | 11 | 1024 | 121027 | 2.20 | 118.19 | 260.27 |
| ELS023 | WI | 65 | 15 | 2 | 42 | 4494 | 2.80 | 107.00 | 299.60 |
| ELS024 | WI | 65 | 97 | 4 | 210 | 22207 | 2.16 | 105.75 | 228.94 |
| ELS027 | WI | 65 | 2100 | 60 | 4453 | 1164541 | 2.12 | 261.52 | 554.54 |
| ELS031 | WI | 65 | 743 | 14 | 540 | 243405 | 0.73 | 450.75 | 327.60 |
| ELS032 | WI | 65 | 1168 | 17 | 920 | 320915 | 0.79 | 348.82 | 274.76 |
| ELS033 | WI | 65 | 1488 | 24 | 584 | 264582 | 0.39 | 453.05 | 177.81 |
| ELS034 | WI | 65 | 282 | 8 | 11 | 659 | 0.04 | 59.91 | 2.34 |
| FLC097 | WI | 65 | 605 | 14 | 740 | 123671 | 1.22 | 167.12 | 204.41 |
| FOL001 | WI | 65 | 253 | 4 | 97 | 12834 | 0.38 | 132.31 | 50.73 |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HAL062 | WI | 65 | 1611 | 23 | 3722 | 214678 | 2.31 | 57.68 | 133.26 |
| HAL063 | WI | 65 | 1476 | 2 | 263 | 7906 | 0.18 | 30.06 | 5.36 |
| HAL072 | WI | 65 | 1149 | 14 | 1245 | 34453 | 1.08 | 27.67 | 29.99 |
| HAL073 | WI | 65 | 397 | 23 | 861 | 231256 | 2.17 | 268.59 | 582.51 |
| HYD021 | WI | 65 | 22 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD031 | WI | 65 | 56 | 3 | 3 | 592 | 0.05 | 197.33 | 10.57 |
| HYD032 | WI | 65 | 2398 | 51 | 1149 | 478726 | 0.48 | 416.65 | 199.64 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JIM021 | WI | 65 | 360 | 19 | 471 | 43397 | 1.31 | 92.14 | 120.55 |
| LON061 | WI | 65 | 1293 | 19 | 406 | 116198 | 0.31 | 286.20 | 89.87 |
| LON062 | WI | 65 | 455 | 9 | 131 | 15709 | 0.29 | 119.92 | 34.53 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LON071 | WI | 65 | 654 | 18 | 117 | 6155 | 0.18 | 52.61 | 9.41 |
| LON072 | WI | 65 | 666 | 18 | 572 | 37233 | 0.86 | 65.09 | 55.91 |
| MAD061 | WI | 65 | 315 | 6 | 6 | 963 | 0.02 | 160.50 | 3.06 |
| MAD062 | WI | 65 | 930 | 52 | 3266 | 566751 | 3.51 | 173.53 | 609.41 |
| MAD071 | WI | 65 | 733 | 2 | 12 | 582 | 0.02 | 48.50 | 0.79 |
| MAD072 | WI | 65 | 2103 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NAP021 | WI | 65 | 514 | 14 | 323 | 30415 | 0.63 | 94.16 | 59.17 |
| NAP022 | WI | 65 | 1398 | 20 | 1823 | 148728 | 1.30 | 81.58 | 106.39 |
| OTC021 | WI | 65 | 460 | 6 | 331 | 12488 | 0.72 | 37.73 | 27.15 |
| OTC022 | WI | 65 | 1565 | 35 | 2349 | 490391 | 1.50 | 208.77 | 313.35 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| OTC023 | WI | 65 | 1369 | 31 | 1803 | 136445 | 1.32 | 75.68 | 99.67 |
| OTC031 | WI | 65 | 1697 | 26 | 425 | 46524 | 0.25 | 109.47 | 27.42 |
| OTC032 | WI | 65 | 1441 | 49 | 4201 | 944507 | 2.92 | 224.83 | 655.45 |
| PRS563 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RVW021 | WI | 65 | 81 | 2 | 26 | 2168 | 0.32 | 83.38 | 26.77 |
| SHW021 | WI | 65 | 262 | 14 | 659 | 67445 | 2.52 | 102.34 | 257.42 |
| STE471 | WI | 65 | 3 | 1 | 1 | 73 | 0.33 | 73.00 | 24.33 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STM021 | WI | 65 | 520 | 10 | 227 | 50936 | 0.44 | 224.39 | 97.95 |
| STM022 | WI | 65 | 990 | 21 | 720 | 23512 | 0.73 | 32.66 | 23.75 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRX021 | WI | 65 | 953 | 59 | 2825 | 651329 | 2.96 | 230.56 | 683.45 |
| TRX022 | WI | 65 | 747 | 10 | 3941 | 545152 | 5.28 | 138.33 | 729.79 |
| TRX023 | WI | 65 | 0 | 36 | 2070 | 241301 | 0.00 | 116.57 | 0.00 |
| TRX031 | WI | 65 | 74 | 6 | 319 | 32094 | 4.31 | 100.61 | 433.70 |
| TRX032 | WI | 65 | 1786 | 64 | 5690 | 1073354 | 3.19 | 188.64 | 600.98 |
| TRX033 | WI | 65 | 341 | 5 | 456 | 106501 | 1.34 | 233.55 | 312.32 |
| USR533 | WI | 65 | 6 | 1 | 1 | 48 | 0.17 | 48.00 | 8.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WIB569 | WI | 65 | 1235 | 38 | 4193 | 238012 | 3.40 | 56.76 | 192.72 |
| ALM559 | WI | 66 | 508 | 15 | 230 | 74266 | 0.45 | 322.90 | 146.19 |
| ALM560 | WI | 66 | 15 | 11 | 51 | 26897 | 3.40 | 527.39 | 1793.13 |
| ARK081 | WI | 66 | 80 | 5 | 37 | 20594 | 0.46 | 556.59 | 257.43 |
| ARK082 | WI | 66 | 601 | 18 | 1073 | 307528 | 1.79 | 286.61 | 511.69 |
| CEF081 | WI | 66 | 808 | 24 | 573 | 134674 | 0.71 | 235.03 | 166.68 |
| COC021 | WI | 66 | 397 | 39 | 2170 | 724351 | 5.47 | 333.80 | 1824.56 |
| DUR021 | WI | 66 | 482 | 18 | 382 | 58125 | 0.79 | 152.16 | 120.59 |
| DUR022 | WI | 66 | 1010 | 38 | 3044 | 617550 | 3.01 | 202.87 | 611.44 |
| EGA021 | WI | 66 | 116 | 14 | 314 | 108337 | 2.71 | 345.02 | 933.94 |
| EGA022 | WI | 66 | 347 | 19 | 573 | 113837 | 1.65 | 198.67 | 328.06 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELM021 | WI | 66 | 218 | 35 | 1386 | 1400342 | 6.36 | 1010.35 | 6423.59 |
| ELM022 | WI | 66 | 585 | 13 | 2999 | 95720 | 5.13 | 31.92 | 163.62 |
| HAY081 | WI | 66 | 645 | 38 | 2093 | 517277 | 3.24 | 247.15 | 801.98 |
| HAY082 | WI | 66 | 1685 | 34 | 1972 | 587304 | 1.17 | 297.82 | 348.55 |
| MDR021 | WI | 66 | 148 | 38 | 1496 | 463602 | 10.11 | 309.89 | 3132.45 |
| MEN021 | WI | 66 | 872 | 26 | 723 | 229279 | 0.83 | 317.12 | 262.93 |
| MEN022 | WI | 66 | 1527 | 52 | 2537 | 604548 | 1.66 | 238.29 | 395.91 |
| MEN023 | WI | 66 | 343 | 2 | 42 | 29794 | 0.12 | 709.38 | 86.86 |
| MEN031 | WI | 66 | 25 | 4 | 69 | 2072 | 2.76 | 30.03 | 82.88 |
| MEN032 | WI | 66 | 1779 | 53 | 6841 | 1236388 | 3.85 | 180.73 | 694.99 |
| NEL021 | WI | 66 | 245 | 1 | 14 | 1554 | 0.06 | 111.00 | 6.34 |
| PEP021 | WI | 66 | 897 | 59 | 1176 | 685732 | 1.31 | 583.11 | 764.47 |
| RCD022 | WI | 66 | 101 | 30 | 1093 | 51594 | 10.82 | 47.20 | 510.83 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| RCD023 | WI | 66 | 887 | 4 | 142 | 15481 | 0.16 | 109.02 | 17.45 |
| RCD024 | WI | 66 | 380 | 14 | 1203 | 284596 | 3.17 | 236.57 | 748.94 |
| RCD031 | WI | 66 | 3 | 1 | 3 | 777 | 1.00 | 259.00 | 259.00 |
| RCD032 | WI | 66 | 6 | 1 | 9 | 612 | 1.50 | 68.00 | 102.00 |
| RCD033 | WI | 66 | 3 | 1 | 3 | 204 | 1.00 | 68.00 | 68.00 |
| RSK021 | WI | 66 | 392 | 43 | 1118 | 229328 | 2.85 | 205.12 | 585.02 |
| SPR021 | WI | 66 | 744 | 23 | 1826 | 348450 | 2.45 | 190.83 | 468.35 |
| WND081 | WI | 66 | 270 | 57 | 948 | 338414 | 3.51 | 356.98 | 1253.39 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC117 | WI | 67 | 295 | 8 | 595 | 5705482 | 2.02 | 9589.05 | 19340.62 |
| ALC118 | WI | 67 | 324 | 20 | 266 | 164712 | 0.82 | 619.22 | 508.37 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA021 | WI | 67 | 671 | 56 | 505 | 757470 | 0.75 | 1499.94 | 1128.87 |
| BLA022 | WI | 67 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA023 | WI | 67 | 557 | 8 | 63 | 21556 | 0.11 | 342.16 | 38.70 |
| CAT021 | WI | 67 | 484 | 58 | 2342 | 2617828 | 4.84 | 1117.77 | 5408.74 |
| CPM021 | WI | 67 | 0 | 1 | 3 | 291 | 0.00 | 97.00 | 0.00 |
| CPM022 | WI | 67 | 5 | 1 | 17 | 1649 | 3.40 | 97.00 | 329.80 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM032 | WI | 67 | 617 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM033 | WI | 67 | 394 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CSH021 | WI | 67 | 122 | 14 | 675 | 134931 | 5.53 | 199.90 | 1105.99 |
| CSH022 | WI | 67 | 425 | 42 | 1849 | 479315 | 4.35 | 259.23 | 1127.80 |
| CVA021 | WI | 67 | 668 | 69 | 1578 | 812778 | 2.36 | 515.07 | 1216.73 |
| CVA022 | WI | 67 | 364 | 39 | 801 | 455822 | 2.20 | 569.07 | 1252.26 |
| ETK021 | WI | 67 | 335 | 24 | 595 | 621441 | 1.78 | 1044.44 | 1855.05 |
| GAL021 | WI | 67 | 1238 | 106 | 1386 | 1618618 | 1.12 | 1167.83 | 1307.45 |
| GVA021 | WI | 67 | 309 | 7 | 34 | 4098 | 0.11 | 120.53 | 13.26 |
| HAF001 | WI | 67 | 108 | 7 | 554 | 468057 | 5.13 | 844.87 | 4333.86 |
| MER021 | WI | 67 | 754 | 55 | 1418 | 1323614 | 1.88 | 933.44 | 1755.46 |
| MLS021 | WI | 67 | 514 | 29 | 4117 | 4933055 | 8.01 | 1198.22 | 9597.38 |
| MLS022 | WI | 67 | 0 | 1 | 3 | 600 | 0.00 | 200.00 | 0.00 |
| RKL021 | WI | 67 | 699 | 36 | 566 | 777026 | 0.81 | 1372.84 | 1111.63 |
| SPA021 | WI | 67 | 175 | 5 | 193 | 110489 | 1.10 | 572.48 | 631.37 |
| SPA022 | WI | 67 | 1683 | 64 | 2779 | 495741 | 1.65 | 178.39 | 294.56 |
| SPA031 | WI | 67 | 1560 | 28 | 576 | 165775 | 0.37 | 287.80 | 106.27 |
| SPA032 | WI | 67 | 1775 | 110 | 2384 | 2544604 | 1.34 | 1067.37 | 1433.58 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRE021 | WI | 67 | 18 | 8 | 28 | 8133 | 1.56 | 290.46 | 451.83 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| VIR002 | WI | 67 | 498 | 11 | 194 | 187877 | 0.39 | 968.44 | 377.26 |
| VIR003 | WI | 67 | 893 | 18 | 556 | 165315 | 0.62 | 297.33 | 185.12 |
| VIR061 | WI | 67 | 1298 | 61 | 4109 | 766702 | 3.17 | 186.59 | 590.68 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WHH022 | WI | 67 | 559 | 18 | 1664 | 295402 | 2.98 | 177.53 | 528.45 |
| WHH023 | WI | 67 | 745 | 24 | 1352 | 243317 | 1.81 | 179.97 | 326.60 |
| WSM081 | WI | 67 | 1199 | 85 | 5311 | 1680662 | 4.43 | 316.45 | 1401.72 |
| WSM091 | WI | 67 | 1948 | 109 | 2091 | 1066250 | 1.07 | 509.92 | 547.36 |
| WSM092 | WI | 67 | 1085 | 18 | 405 | 90264 | 0.37 | 222.87 | 83.19 |
| COU061 | WI | 68 | 1561 | 15 | 495 | 82210 | 0.32 | 166.08 | 52.66 |
| COU062 | WI | 68 | 1371 | 78 | 2879 | 817665 | 2.10 | 284.01 | 596.40 |
| COU068 | WI | 68 | 1874 | 53 | 1251 | 912086 | 0.67 | 729.09 | 486.71 |
| COU069 | WI | 68 | 468 | 14 | 380 | 72585 | 0.81 | 191.01 | 155.10 |
| COU071 | WI | 68 | 1271 | 47 | 1094 | 383215 | 0.86 | 350.29 | 301.51 |
| COU077 | WI | 68 | 1765 | 68 | 1685 | 1726406 | 0.95 | 1024.57 | 978.13 |
| COU078 | WI | 68 | 1211 | 32 | 768 | 277921 | 0.63 | 361.88 | 229.50 |
| COU079 | WI | 68 | 546 | 64 | 1980 | 855248 | 3.63 | 431.94 | 1566.39 |
| FEN061 | WI | 68 | 1182 | 28 | 3347 | 243841 | 2.83 | 72.85 | 206.30 |
| FEN062 | WI | 68 | 483 | 8 | 32 | 15788 | 0.07 | 493.38 | 32.69 |
| FEN063 | WI | 68 | 597 | 1 | 1 | 95 | 0.00 | 95.00 | 0.16 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FEN072 | WI | 68 | 847 | 12 | 43 | 8114 | 0.05 | 188.70 | 9.58 |
| FEN073 | WI | 68 | 946 | 28 | 1312 | 201108 | 1.39 | 153.28 | 212.59 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GEN197 | WI | 68 | 760 | 27 | 1563 | 999053 | 2.06 | 639.19 | 1314.54 |
| GEN198 | WI | 68 | 268 | 17 | 1740 | 411709 | 6.49 | 236.61 | 1536.23 |
| HLA062 | WI | 68 | 1417 | 42 | 672 | 466470 | 0.47 | 694.15 | 329.20 |
| HLA063 | WI | 68 | 0 | 39 | 676 | 104760 | 0.00 | 154.97 | 0.00 |
| HLA071 | WI | 68 | 1205 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LAX062 | WI | 68 | 1845 | 62 | 3657 | 1700998 | 1.98 | 465.13 | 921.95 |
| LAX063 | WI | 68 | 1484 | 18 | 501 | 191754 | 0.34 | 382.74 | 129.21 |
| LAX065 | WI | 68 | 953 | 5 | 71 | 29808 | 0.07 | 419.83 | 31.28 |
| LAX067 | WI | 68 | 787 | 22 | 321 | 72456 | 0.41 | 225.72 | 92.07 |
| LAX074 | WI | 68 | 631 | 10 | 100 | 22624 | 0.16 | 226.24 | 35.85 |
| LAX075 | WI | 68 | 1601 | 34 | 1305 | 816063 | 0.82 | 625.34 | 509.72 |
| LAX076 | WI | 68 | 1153 | 17 | 118 | 33264 | 0.10 | 281.90 | 28.85 |
| LAX077 | WI | 68 | 1098 | 26 | 647 | 278515 | 0.59 | 430.47 | 253.66 |
| MAF061 | WI | 68 | 269 | 19 | 418 | 58805 | 1.55 | 140.68 | 218.61 |
| MAF062 | WI | 68 | 46 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MAF063 | WI | 68 | 1541 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MAF071 | WI | 68 | 1043 | 56 | 771 | 218174 | 0.74 | 282.98 | 209.18 |
| MAF072 | WI | 68 | 631 | 41 | 1144 | 481981 | 1.81 | 421.31 | 763.84 |
| ONA061 | WI | 68 | 2208 | 48 | 1350 | 818502 | 0.61 | 606.30 | 370.70 |

## *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| ONA062 | WI | 68 | 939 | 25 | 2397 | 686109 | 2.55 | 286.24 | 730.68 |
| SWC061 | WI | 68 | 353 | 8 | 933 | 92515 | 2.64 | 99.16 | 262.08 |
| SWC062 | WI | 68 | 12 | 1 | 15 | 675 | 1.25 | 45.00 | 56.25 |
| SWC071 | WI | 68 | 255 | 9 | 561 | 53510 | 2.20 | 95.38 | 209.84 |
| SWC072 | WI | 68 | 1178 | 9 | 1491 | 57079 | 1.27 | 38.28 | 48.45 |

# *Year 1998 Reliability Indices*

## *Storm Normalized*

## *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| **Grand Total** | | | 234693 | | 213902 | 22350014 | 0.91 | 104.49 | 95.23 |
| **60 Total** | | | 30412 | | 25743 | 3209135 | 0.85 | 124.66 | 105.52 |
| **61 Total** | | | 23455 | | 20287 | 2259960 | 0.86 | 111.40 | 96.35 |
| **62 Total** | | | 17871 | | 24804 | 2020841 | 1.39 | 81.47 | 113.08 |
| **63 Total** | | | 20594 | | 27826 | 3622600 | 1.35 | 130.19 | 175.91 |
| **64 Total** | | | 19870 | | 21316 | 1035795 | 1.07 | 48.59 | 52.13 |
| **65 Total** | | | 46428 | | 42506 | 2520331 | 0.92 | 59.29 | 54.28 |
| **66 Total** | | | 16119 | | 21458 | 3177927 | 1.33 | 148.10 | 197.15 |
| **67 Total** | | | 24120 | | 14971 | 2439723 | 0.62 | 162.96 | 101.15 |
| **68 Total** | | | 35824 | | 14991 | 2063702 | 0.42 | 137.66 | 57.61 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AMY001 | WI | 60 | 563 | 5 | 111 | 12543 | 0.20 | 113.00 | 22.28 |
| BAY021 | WI | 60 | 793 | 32 | 1536 | 219606 | 1.94 | 142.97 | 276.93 |
| BEA414 | WI | 60 | 820 | 30 | 306 | 73556 | 0.37 | 240.38 | 89.70 |
| BEA415 | WI | 60 | 377 | 9 | 484 | 7033 | 1.28 | 14.53 | 18.66 |
| CLL081 | WI | 60 | 486 | 13 | 51 | 4374 | 0.10 | 85.76 | 9.00 |
| CLL082 | WI | 60 | 397 | 7 | 380 | 34942 | 0.96 | 91.95 | 88.02 |
| CUM081 | WI | 60 | 218 | 13 | 210 | 30716 | 0.96 | 146.27 | 140.90 |
| CUM082 | WI | 60 | 101 | 4 | 28 | 1954 | 0.28 | 69.79 | 19.35 |
| ELL021 | WI | 60 | 1027 | 13 | 226 | 14884 | 0.22 | 65.86 | 14.49 |
| ELL022 | WI | 60 | 308 | 4 | 24 | 1617 | 0.08 | 67.38 | 5.25 |
| GLN393 | WI | 60 | 598 | 2 | 86 | 1078 | 0.14 | 12.53 | 1.80 |
| GMT021 | WI | 60 | 197 | 11 | 198 | 18545 | 1.01 | 93.66 | 94.14 |
| GST021 | WI | 60 | 394 | 8 | 8 | 1175 | 0.02 | 146.88 | 2.98 |
| GST023 | WI | 60 | 565 | 8 | 1190 | 66296 | 2.11 | 55.71 | 117.34 |
| HUN021 | WI | 60 | 2 | 5 | 543 | 33072 | 271.50 | 60.91 | 16536.00 |
| KIN081 | WI | 60 | 361 | 19 | 415 | 40539 | 1.15 | 97.68 | 112.30 |
| LKC081 | WI | 60 | 1221 | 39 | 2031 | 145331 | 1.66 | 71.56 | 119.03 |
| LUK021 | WI | 60 | 1017 | 19 | 401 | 65881 | 0.39 | 164.29 | 64.78 |
| NOM021 | WI | 60 | 16 | 1 | 16 | 1104 | 1.00 | 69.00 | 69.00 |
| OPK010 | WI | 60 | 346 | 8 | 34 | 3895 | 0.10 | 114.56 | 11.26 |
| OPK011 | WI | 60 | 9 | 1 | 1 | 1578 | 0.11 | 1578.00 | 175.33 |
| OSC021 | WI | 60 | 1221 | 19 | 1638 | 120483 | 1.34 | 73.55 | 98.68 |
| OSC022 | WI | 60 | 724 | 20 | 1071 | 72418 | 1.48 | 67.62 | 100.02 |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRE021 | WI | 60 | 1204 | 32 | 521 | 58442 | 0.43 | 112.17 | 48.54 |
| PRE022 | WI | 60 | 663 | 14 | 1355 | 235100 | 2.04 | 173.51 | 354.60 |
| RIC081 | WI | 60 | 1968 | 47 | 575 | 138703 | 0.29 | 241.22 | 70.48 |
| RIC082 | WI | 60 | 25 | 1 | 2 | 144 | 0.08 | 72.00 | 5.76 |
| RSH081 | WI | 60 | 1983 | 17 | 82 | 6980 | 0.04 | 85.12 | 3.52 |
| RSH091 | WI | 60 | 943 | 17 | 1017 | 164518 | 1.08 | 161.77 | 174.46 |
| RSH092 | WI | 60 | 286 | 7 | 11 | 650 | 0.04 | 59.09 | 2.27 |
| SCF024 | WI | 60 | 177 | 12 | 147 | 10566 | 0.83 | 71.88 | 59.69 |
| SCF025 | WI | 60 | 949 | 9 | 27 | 1695 | 0.03 | 62.78 | 1.79 |
| TUR021 | WI | 60 | 284 | 2 | 249 | 135456 | 0.88 | 544.00 | 476.96 |
| TUR022 | WI | 60 | 341 | 4 | 344 | 185329 | 1.01 | 538.75 | 543.49 |
| TWT081 | WI | 60 | 1097 | 15 | 91 | 4464 | 0.08 | 49.05 | 4.07 |
| WLR081 | WI | 60 | 604 | 16 | 193 | 34164 | 0.32 | 177.02 | 56.56 |
| WLR082 | WI | 60 | 2160 | 66 | 4690 | 594700 | 2.17 | 126.80 | 275.32 |
| WLR091 | WI | 60 | 2216 | 19 | 1664 | 47682 | 0.75 | 28.66 | 21.52 |
| WLR092 | WI | 60 | 3734 | 29 | 3787 | 617922 | 1.01 | 163.17 | 165.49 |
| BIR021 | WI | 61 | 903 | 31 | 595 | 55233 | 0.66 | 92.83 | 61.17 |
| BIR022 | WI | 61 | 565 | 22 | 310 | 25625 | 0.55 | 82.66 | 45.35 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BRU021 | WI | 61 | 1174 | 27 | 62 | 3044 | 0.05 | 49.10 | 2.59 |
| CAB021 | WI | 61 | 470 | 2 | 2 | 355 | 0.00 | 177.50 | 0.76 |
| CAB022 | WI | 61 | 468 | 23 | 432 | 56712 | 0.92 | 131.28 | 121.18 |

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| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CAB023 | WI | 61 | 0 | 14 | 547 | 95051 | 0.00 | 173.77 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CMR021 | WI | 61 | 1078 | 20 | 1273 | 382463 | 1.18 | 300.44 | 354.79 |
| CON021 | WI | 61 | 310 | 4 | 4 | 240 | 0.01 | 60.00 | 0.77 |
| DEW021 | WI | 61 | 209 | 13 | 426 | 28599 | 2.04 | 67.13 | 136.84 |
| DRM021 | WI | 61 | 193 | 6 | 143 | 46936 | 0.74 | 328.22 | 243.19 |
| EWA001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FIN021 | WI | 61 | 654 | 4 | 4 | 294 | 0.01 | 73.50 | 0.45 |
| FIN022 | WI | 61 | 1917 | 70 | 1862 | 187075 | 0.97 | 100.47 | 97.59 |
| HAW001 | WI | 61 | 228 | 1 | 1 | 42 | 0.00 | 42.00 | 0.18 |
| HWD021 | WI | 61 | 531 | 10 | 123 | 7999 | 0.23 | 65.03 | 15.06 |
| HWD022 | WI | 61 | 658 | 24 | 918 | 26117 | 1.40 | 28.45 | 39.69 |
| HWK021 | WI | 61 | 224 | 1 | 10 | 200 | 0.04 | 20.00 | 0.89 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| OPY081 | WI | 61 | 580 | 1 | 26 | 2002 | 0.04 | 77.00 | 3.45 |
| PMP001 | WI | 61 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| POK061 | WI | 61 | 782 | 8 | 101 | 3211 | 0.13 | 31.79 | 4.11 |
| POK062 | WI | 61 | 877 | 19 | 564 | 141395 | 0.64 | 250.70 | 161.23 |
| RCL021 | WI | 61 | 51 | 2 | 5 | 640 | 0.10 | 128.00 | 12.55 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RCL031 | WI | 61 | 1356 | 53 | 2666 | 235036 | 1.97 | 88.16 | 173.33 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RID081 | WI | 61 | 525 | 13 | 61 | 9365 | 0.12 | 153.52 | 17.84 |
| RID082 | WI | 61 | 735 | 18 | 378 | 24158 | 0.51 | 63.91 | 32.87 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SLD021 | WI | 61 | 282 | 5 | 88 | 4791 | 0.31 | 54.44 | 16.99 |
| SND021 | WI | 61 | 2491 | 99 | 4643 | 513274 | 1.86 | 110.55 | 206.05 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TAD021 | WI | 61 | 335 | 10 | 983 | 95085 | 2.93 | 96.73 | 283.84 |
| THA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TNY021 | WI | 61 | 338 | 18 | 683 | 52308 | 2.02 | 76.59 | 154.76 |
| TRL081 | WI | 61 | 1093 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRL082 | WI | 61 | 82 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDM081 | WI | 61 | 746 | 28 | 267 | 11071 | 0.36 | 41.46 | 14.84 |
| WTH001 | WI | 61 | 3 | 1 | 3 | 1800 | 1.00 | 600.00 | 600.00 |
| WTL061 | WI | 61 | 1393 | 23 | 1572 | 137906 | 1.13 | 87.73 | 99.00 |
| WTL062 | WI | 61 | 1127 | 19 | 147 | 13743 | 0.13 | 93.49 | 12.19 |
| YLR081 | WI | 61 | 3 | 2 | 4 | 306 | 1.33 | 76.50 | 102.00 |
| YLR082 | WI | 61 | 1062 | 16 | 1384 | 97884 | 1.30 | 70.73 | 92.17 |
| AMC001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| AMC002 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BAV001 | WI | 62 | 731 | 3 | 815 | 72198 | 1.11 | 88.59 | 98.77 |
| BFT061 | WI | 62 | 557 | 10 | 925 | 182195 | 1.66 | 196.97 | 327.10 |
| BFT062 | WI | 62 | 424 | 5 | 378 | 7701 | 0.89 | 20.37 | 18.16 |
| BKD021 | WI | 62 | 285 | 17 | 368 | 27525 | 1.29 | 74.80 | 96.58 |
| BNT021 | WI | 62 | 466 | 16 | 1084 | 57802 | 2.33 | 53.32 | 124.04 |

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| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| BYF021 | WI | 62 | 2131 | 79 | 4523 | 487349 | 2.12 | 107.75 | 228.69 |
| CRN001 | WI | 62 | 117 | 1 | 1 | 80 | 0.01 | 80.00 | 0.68 |
| CTA021 | WI | 62 | 313 | 14 | 176 | 11375 | 0.56 | 64.63 | 36.34 |
| FAY001 | WI | 62 | 467 | 7 | 560 | 11472 | 1.20 | 20.49 | 24.57 |
| FLB010 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GDN021 | WI | 62 | 418 | 9 | 790 | 72740 | 1.89 | 92.08 | 174.02 |
| GRV021 | WI | 62 | 106 | 1 | 106 | 3180 | 1.00 | 30.00 | 30.00 |
| HER001 | WI | 62 | 139 | 4 | 8 | 1999 | 0.06 | 249.88 | 14.38 |
| HWY021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LPA001 | WI | 62 | 3 | 1 | 3 | 210 | 1.00 | 70.00 | 70.00 |
| MLN001 | WI | 62 | 585 | 9 | 1226 | 84023 | 2.10 | 68.53 | 143.63 |
| MNR021 | WI | 62 | 92 | 6 | 105 | 7443 | 1.14 | 70.89 | 80.90 |
| MNR022 | WI | 62 | 109 | 1 | 106 | 7420 | 0.97 | 70.00 | 68.07 |
| MSE001 | WI | 62 | 31 | 5 | 155 | 14570 | 5.00 | 94.00 | 470.00 |
| MSE021 | WI | 62 | 29 | 1 | 28 | 1960 | 0.97 | 70.00 | 67.59 |
| NFO021 | WI | 62 | 1051 | 9 | 868 | 45092 | 0.83 | 51.95 | 42.90 |
| NFO031 | WI | 62 | 1296 | 35 | 2629 | 161122 | 2.03 | 61.29 | 124.32 |
| OGE021 | WI | 62 | 171 | 7 | 361 | 27564 | 2.11 | 76.35 | 161.19 |
| OLU021 | WI | 62 | 90 | 4 | 91 | 15833 | 1.01 | 173.99 | 175.92 |
| PHL021 | WI | 62 | 734 | 10 | 170 | 16465 | 0.23 | 96.85 | 22.43 |
| PHL031 | WI | 62 | 990 | 19 | 133 | 9177 | 0.13 | 69.00 | 9.27 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRN021 | WI | 62 | 764 | 25 | 351 | 33415 | 0.46 | 95.20 | 43.74 |
| PTW001 | WI | 62 | 302 | 7 | 54 | 10624 | 0.18 | 196.74 | 35.18 |
| RBL021 | WI | 62 | 134 | 9 | 154 | 10249 | 1.15 | 66.55 | 76.49 |
| RBL022 | WI | 62 | 173 | 5 | 180 | 10806 | 1.04 | 60.03 | 62.46 |
| RBL023 | WI | 62 | 668 | 10 | 1405 | 98089 | 2.10 | 69.81 | 146.84 |
| RES001 | WI | 62 | 100 | 36 | 1321 | 80008 | 13.21 | 60.57 | 800.08 |
| SOE001 | WI | 62 | 500 | 7 | 508 | 10658 | 1.02 | 20.98 | 21.32 |
| SQN001 | WI | 62 | 3 | 1 | 3 | 138 | 1.00 | 46.00 | 46.00 |
| SST061 | WI | 62 | 542 | 11 | 1247 | 100780 | 2.30 | 80.82 | 185.94 |
| SST062 | WI | 62 | 586 | 8 | 952 | 116622 | 1.62 | 122.50 | 199.01 |
| SVN001 | WI | 62 | 290 | 7 | 561 | 53458 | 1.93 | 95.29 | 184.34 |
| TST001 | WI | 62 | 300 | 4 | 287 | 5832 | 0.96 | 20.32 | 19.44 |
| VAV001 | WI | 62 | 282 | 2 | 300 | 4050 | 1.06 | 13.50 | 14.36 |
| WBI021 | WI | 62 | 3 | 1 | 3 | 255 | 1.00 | 85.00 | 85.00 |
| WBN021 | WI | 62 | 831 | 8 | 998 | 70485 | 1.20 | 70.63 | 84.82 |
| WBN022 | WI | 62 | 435 | 8 | 470 | 33159 | 1.08 | 70.55 | 76.23 |
| WHR021 | WI | 62 | 147 | 8 | 205 | 25954 | 1.39 | 126.60 | 176.56 |
| WHR022 | WI | 62 | 218 | 7 | 10 | 684 | 0.05 | 68.40 | 3.14 |
| WHR023 | WI | 62 | 236 | 6 | 186 | 29080 | 0.79 | 156.34 | 123.22 |
| ALN001 | WI | 63 | 6 | 2 | 7 | 443 | 1.17 | 63.29 | 73.83 |
| AYR021 | WI | 63 | 812 | 11 | 744 | 58234 | 0.92 | 78.27 | 71.72 |

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## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| AYR022 | WI | 63 | 872 | 30 | 1293 | 177433 | 1.48 | 137.23 | 203.48 |
| BES021 | WI | 63 | 1057 | 7 | 16 | 971 | 0.02 | 60.69 | 0.92 |
| BES022 | WI | 63 | 1082 | 3 | 12 | 1660 | 0.01 | 138.33 | 1.53 |
| BLD021 | WI | 63 | 629 | 15 | 1513 | 327582 | 2.41 | 216.51 | 520.80 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CNR001 | WI | 63 | 3 | 1 | 6 | 1338 | 2.00 | 223.00 | 446.00 |
| DST001 | WI | 63 | 190 | 2 | 380 | 43320 | 2.00 | 114.00 | 228.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GER001 | WI | 63 | 435 | 4 | 521 | 42487 | 1.20 | 81.55 | 97.67 |
| GLA021 | WI | 63 | 75 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GOG001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HGN021 | WI | 63 | 6 | 2 | 7 | 1542 | 1.17 | 220.29 | 257.00 |
| HUR021 | WI | 63 | 291 | 2 | 171 | 19629 | 0.59 | 114.79 | 67.45 |
| HUR022 | WI | 63 | 666 | 14 | 890 | 104771 | 1.34 | 117.72 | 157.31 |
| IHD021 | WI | 63 | 320 | 12 | 1064 | 204091 | 3.33 | 191.81 | 637.78 |
| IRB001 | WI | 63 | 149 | 2 | 167 | 13058 | 1.12 | 78.19 | 87.64 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW001 | WI | 63 | 352 | 3 | 15 | 1158 | 0.04 | 77.20 | 3.29 |
| IRW002 | WI | 63 | 561 | 4 | 23 | 2318 | 0.04 | 100.78 | 4.13 |
| IRW003 | WI | 63 | 530 | 2 | 9 | 677 | 0.02 | 75.22 | 1.28 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| IRW005 | WI | 63 | 588 | 21 | 301 | 21776 | 0.51 | 72.35 | 37.03 |
| JKS021 | WI | 63 | 4 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LUP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MCO001 | WI | 63 | 201 | 4 | 4 | 554 | 0.02 | 138.50 | 2.76 |
| MCO021 | WI | 63 | 392 | 19 | 285 | 43594 | 0.73 | 152.96 | 111.21 |
| MCR021 | WI | 63 | 1668 | 85 | 6222 | 490082 | 3.73 | 78.77 | 293.81 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 669 | 1.00 | 223.00 | 223.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MNT001 | WI | 63 | 823 | 12 | 2577 | 174277 | 3.13 | 67.63 | 211.76 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MRC022 | WI | 63 | 1507 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NRA001 | WI | 63 | 470 | 5 | 64 | 5711 | 0.14 | 89.23 | 12.15 |
| NSI001 | WI | 63 | 628 | 3 | 3 | 389 | 0.00 | 129.67 | 0.62 |
| OJB021 | WI | 63 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PSI021 | WI | 63 | 1247 | 80 | 1773 | 440976 | 1.42 | 248.72 | 353.63 |
| RMS001 | WI | 63 | 613 | 8 | 1265 | 281497 | 2.06 | 222.53 | 459.21 |
| RTL021 | WI | 63 | 1034 | 82 | 2388 | 343623 | 2.31 | 143.90 | 332.32 |
| RTL022 | WI | 63 | 936 | 70 | 3632 | 556689 | 3.88 | 153.27 | 594.75 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUP021 | WI | 63 | 149 | 7 | 174 | 19010 | 1.17 | 109.25 | 127.58 |
| SXF021 | WI | 63 | 203 | 6 | 162 | 19139 | 0.80 | 118.14 | 94.28 |
| TLA001 | WI | 63 | 1 | 1 | 1 | 223 | 1.00 | 223.00 | 223.00 |
| TWN021 | WI | 63 | 691 | 17 | 793 | 59382 | 1.15 | 74.88 | 85.94 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| TWN022 | WI | 63 | 673 | 21 | 1339 | 163977 | 1.99 | 122.46 | 243.65 |
| UPS001 | WI | 63 | 45 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WDB001 | WI | 63 | 7 | 2 | 2 | 320 | 0.29 | 160.00 | 45.71 |
| BYD001 | WI | 64 | 312 | 10 | 1121 | 65514 | 3.59 | 58.44 | 209.98 |
| CTS021 | WI | 64 | 718 | 5 | 282 | 39864 | 0.39 | 141.36 | 55.52 |
| GLM021 | WI | 64 | 473 | 14 | 507 | 126910 | 1.07 | 250.32 | 268.31 |
| LKH010 | WI | 64 | 3 | 3 | 9 | 1677 | 3.00 | 186.33 | 559.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LOY021 | WI | 64 | 958 | 10 | 1026 | 149009 | 1.07 | 145.23 | 155.54 |
| LOY022 | WI | 64 | 748 | 16 | 96 | 7107 | 0.13 | 74.03 | 9.50 |
| LYN021 | WI | 64 | 253 | 11 | 56 | 5082 | 0.22 | 90.75 | 20.09 |
| LYN022 | WI | 64 | 415 | 6 | 36 | 2091 | 0.09 | 58.08 | 5.04 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV021 | WI | 64 | 984 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV031 | WI | 64 | 584 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV032 | WI | 64 | 536 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NLV101 | WI | 64 | 596 | 3 | 3 | 361 | 0.01 | 120.33 | 0.61 |
| NLV102 | WI | 64 | 466 | 3 | 12 | 191 | 0.03 | 15.92 | 0.41 |
| NLV178 | WI | 64 | 574 | 15 | 108 | 15498 | 0.19 | 143.50 | 27.00 |
| NLV202 | WI | 64 | 614 | 14 | 161 | 12529 | 0.26 | 77.82 | 20.41 |
| OWN021 | WI | 64 | 1229 | 29 | 4345 | 174130 | 3.54 | 40.08 | 141.68 |
| SPE021 | WI | 64 | 1001 | 16 | 50 | 4703 | 0.05 | 94.06 | 4.70 |
| STA081 | WI | 64 | 275 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA082 | WI | 64 | 701 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STA083 | WI | 64 | 553 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STN001 | WI | 64 | 41 | 5 | 173 | 5654 | 4.22 | 32.68 | 137.90 |
| STN002 | WI | 64 | 921 | 12 | 3751 | 127094 | 4.07 | 33.88 | 138.00 |
| STN003 | WI | 64 | 381 | 8 | 1717 | 67798 | 4.51 | 39.49 | 177.95 |
| TCN081 | WI | 64 | 2048 | 31 | 2245 | 48324 | 1.10 | 21.53 | 23.60 |
| TCN091 | WI | 64 | 941 | 17 | 151 | 10226 | 0.16 | 67.72 | 10.87 |
| TCN092 | WI | 64 | 2132 | 13 | 179 | 6830 | 0.08 | 38.16 | 3.20 |
| TRP021 | WI | 64 | 499 | 25 | 2091 | 68498 | 4.19 | 32.76 | 137.27 |
| TRP022 | WI | 64 | 911 | 8 | 3197 | 96705 | 3.51 | 30.25 | 106.15 |
| AUG021 | WI | 65 | 309 | 6 | 6 | 729 | 0.02 | 121.50 | 2.36 |
| AUG022 | WI | 65 | 690 | 6 | 33 | 2986 | 0.05 | 90.48 | 4.33 |
| BLR001 | WI | 65 | 10 | 2 | 5 | 729 | 0.50 | 145.80 | 72.90 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CAD061 | WI | 65 | 49 | 3 | 121 | 4296 | 2.47 | 35.50 | 87.67 |
| CHF021 | WI | 65 | 641 | 5 | 591 | 32776 | 0.92 | 55.46 | 51.13 |
| CHF022 | WI | 65 | 1562 | 27 | 2288 | 86161 | 1.46 | 37.66 | 55.16 |
| CHF023 | WI | 65 | 0 | 19 | 976 | 38454 | 0.00 | 39.40 | 0.00 |
| CHF024 | WI | 65 | 1358 | 32 | 4774 | 451255 | 3.52 | 94.52 | 332.29 |

## *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| CHF031 | WI | 65 | 420 | 6 | 143 | 8668 | 0.34 | 60.62 | 20.64 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CHF033 | WI | 65 | 559 | 7 | 26 | 1944 | 0.05 | 74.77 | 3.48 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| EGP021 | WI | 65 | 2078 | 50 | 1859 | 220931 | 0.89 | 118.84 | 106.32 |
| EGP022 | WI | 65 | 291 | 13 | 36 | 3136 | 0.12 | 87.11 | 10.78 |
| ELK001 | WI | 65 | 403 | 15 | 617 | 39033 | 1.53 | 63.26 | 96.86 |
| ELS021 | WI | 65 | 424 | 5 | 438 | 22542 | 1.03 | 51.47 | 53.17 |
| ELS022 | WI | 65 | 465 | 8 | 526 | 30666 | 1.13 | 58.30 | 65.95 |
| ELS023 | WI | 65 | 15 | 1 | 21 | 714 | 1.40 | 34.00 | 47.60 |
| ELS024 | WI | 65 | 97 | 3 | 106 | 3487 | 1.09 | 32.90 | 35.95 |
| ELS027 | WI | 65 | 2100 | 25 | 2784 | 154289 | 1.33 | 55.42 | 73.47 |
| ELS031 | WI | 65 | 743 | 7 | 214 | 62600 | 0.29 | 292.52 | 84.25 |
| ELS032 | WI | 65 | 1168 | 5 | 181 | 12342 | 0.15 | 68.19 | 10.57 |
| ELS033 | WI | 65 | 1488 | 11 | 264 | 10842 | 0.18 | 41.07 | 7.29 |
| ELS034 | WI | 65 | 282 | 8 | 11 | 659 | 0.04 | 59.91 | 2.34 |
| FLC097 | WI | 65 | 605 | 12 | 138 | 15153 | 0.23 | 109.80 | 25.05 |
| FOL001 | WI | 65 | 253 | 2 | 51 | 1564 | 0.20 | 30.67 | 6.18 |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HAL062 | WI | 65 | 1611 | 17 | 3634 | 175073 | 2.26 | 48.18 | 108.67 |
| HAL063 | WI | 65 | 1476 | 2 | 263 | 7906 | 0.18 | 30.06 | 5.36 |
| HAL072 | WI | 65 | 1149 | 12 | 1235 | 27333 | 1.07 | 22.13 | 23.79 |
| HAL073 | WI | 65 | 397 | 13 | 523 | 69865 | 1.32 | 133.59 | 175.98 |
| HYD021 | WI | 65 | 22 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| HYD031 | WI | 65 | 56 | 3 | 3 | 592 | 0.05 | 197.33 | 10.57 |
| HYD032 | WI | 65 | 2398 | 40 | 346 | 33471 | 0.14 | 96.74 | 13.96 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| JIM021 | WI | 65 | 360 | 16 | 361 | 28806 | 1.00 | 79.80 | 80.02 |
| LON061 | WI | 65 | 1293 | 14 | 281 | 49382 | 0.22 | 175.74 | 38.19 |
| LON062 | WI | 65 | 455 | 7 | 129 | 15405 | 0.28 | 119.42 | 33.86 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LON071 | WI | 65 | 654 | 13 | 110 | 4284 | 0.17 | 38.95 | 6.55 |
| LON072 | WI | 65 | 666 | 16 | 371 | 26495 | 0.56 | 71.42 | 39.78 |
| MAD061 | WI | 65 | 315 | 4 | 4 | 125 | 0.01 | 31.25 | 0.40 |
| MAD062 | WI | 65 | 930 | 17 | 262 | 19760 | 0.28 | 75.42 | 21.25 |
| MAD071 | WI | 65 | 733 | 2 | 12 | 582 | 0.02 | 48.50 | 0.79 |
| MAD072 | WI | 65 | 2103 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| NAP021 | WI | 65 | 514 | 9 | 281 | 22146 | 0.55 | 78.81 | 43.09 |
| NAP022 | WI | 65 | 1398 | 13 | 1738 | 126933 | 1.24 | 73.03 | 90.80 |
| OTC021 | WI | 65 | 460 | 5 | 329 | 10494 | 0.72 | 31.90 | 22.81 |
| OTC022 | WI | 65 | 1565 | 22 | 1808 | 104138 | 1.16 | 57.60 | 66.54 |
| OTC023 | WI | 65 | 1369 | 18 | 1530 | 55897 | 1.12 | 36.53 | 40.83 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| OTC031 | WI | 65 | 1697 | 25 | 424 | 46431 | 0.25 | 109.51 | 27.36 |
| OTC032 | WI | 65 | 1441 | 26 | 458 | 29084 | 0.32 | 63.50 | 20.18 |
| PRS563 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RVW021 | WI | 65 | 81 | 1 | 18 | 2016 | 0.22 | 112.00 | 24.89 |
| SHW021 | WI | 65 | 262 | 9 | 600 | 24793 | 2.29 | 41.32 | 94.63 |
| STE471 | WI | 65 | 3 | 1 | 1 | 73 | 0.33 | 73.00 | 24.33 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| STM021 | WI | 65 | 520 | 6 | 85 | 6476 | 0.16 | 76.19 | 12.45 |
| STM022 | WI | 65 | 990 | 18 | 669 | 18041 | 0.68 | 26.97 | 18.22 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRX021 | WI | 65 | 953 | 36 | 1250 | 37718 | 1.31 | 30.17 | 39.58 |
| TRX022 | WI | 65 | 747 | 6 | 1573 | 16389 | 2.11 | 10.42 | 21.94 |
| TRX023 | WI | 65 | 0 | 18 | 1009 | 25050 | 0.00 | 24.83 | 0.00 |
| TRX031 | WI | 65 | 74 | 2 | 159 | 3507 | 2.15 | 22.06 | 47.39 |
| TRX032 | WI | 65 | 1786 | 39 | 2910 | 123960 | 1.63 | 42.60 | 69.41 |
| TRX033 | WI | 65 | 341 | 2 | 22 | 2193 | 0.06 | 99.68 | 6.43 |
| USR533 | WI | 65 | 6 | 1 | 1 | 48 | 0.17 | 48.00 | 8.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WIB569 | WI | 65 | 1235 | 27 | 3898 | 199909 | 3.16 | 51.29 | 161.87 |
| ALM559 | WI | 66 | 508 | 9 | 148 | 14860 | 0.29 | 100.41 | 29.25 |
| ALM560 | WI | 66 | 15 | 2 | 2 | 296 | 0.13 | 148.00 | 19.73 |
| ARK081 | WI | 66 | 80 | 1 | 1 | 88 | 0.01 | 88.00 | 1.10 |
| ARK082 | WI | 66 | 601 | 7 | 517 | 53150 | 0.86 | 102.80 | 88.44 |
| CEF081 | WI | 66 | 808 | 15 | 252 | 16977 | 0.31 | 67.37 | 21.01 |
| COC021 | WI | 66 | 397 | 23 | 806 | 85928 | 2.03 | 106.61 | 216.44 |
| DUR021 | WI | 66 | 482 | 14 | 368 | 44594 | 0.76 | 121.18 | 92.52 |
| DUR022 | WI | 66 | 1010 | 22 | 2043 | 193855 | 2.02 | 94.89 | 191.94 |
| EGA021 | WI | 66 | 116 | 5 | 159 | 9308 | 1.37 | 58.54 | 80.24 |
| EGA022 | WI | 66 | 347 | 13 | 431 | 46189 | 1.24 | 107.17 | 133.11 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ELM021 | WI | 66 | 218 | 20 | 1065 | 1340626 | 4.89 | 1258.80 | 6149.66 |
| ELM022 | WI | 66 | 585 | 10 | 2995 | 92363 | 5.12 | 30.84 | 157.89 |
| HAY081 | WI | 66 | 645 | 5 | 667 | 62181 | 1.03 | 93.22 | 96.40 |
| HAY082 | WI | 66 | 1685 | 23 | 1243 | 36232 | 0.74 | 29.15 | 21.50 |
| MDR021 | WI | 66 | 148 | 22 | 990 | 151411 | 6.69 | 152.94 | 1023.05 |
| MEN021 | WI | 66 | 872 | 20 | 416 | 44096 | 0.48 | 106.00 | 50.57 |
| MEN022 | WI | 66 | 1527 | 38 | 1491 | 81811 | 0.98 | 54.87 | 53.58 |
| MEN023 | WI | 66 | 343 | 1 | 1 | 28 | 0.00 | 28.00 | 0.08 |
| MEN031 | WI | 66 | 25 | 3 | 36 | 686 | 1.44 | 19.06 | 27.44 |
| MEN032 | WI | 66 | 1779 | 41 | 4321 | 639656 | 2.43 | 148.03 | 359.56 |
| NEL021 | WI | 66 | 245 | 1 | 14 | 1554 | 0.06 | 111.00 | 6.34 |
| PEP021 | WI | 66 | 897 | 34 | 459 | 88621 | 0.51 | 193.07 | 98.80 |
| RCD022 | WI | 66 | 101 | 24 | 1051 | 35333 | 10.41 | 33.62 | 349.83 |
| RCD023 | WI | 66 | 887 | 4 | 142 | 15481 | 0.16 | 109.02 | 17.45 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| RCD024 | WI | 66 | 380 | 8 | 621 | 20345 | 1.63 | 32.76 | 53.54 |
| RCD031 | WI | 66 | 3 | 1 | 3 | 777 | 1.00 | 259.00 | 259.00 |
| RCD032 | WI | 66 | 6 | 1 | 9 | 612 | 1.50 | 68.00 | 102.00 |
| RCD033 | WI | 66 | 3 | 1 | 3 | 204 | 1.00 | 68.00 | 68.00 |
| RSK021 | WI | 66 | 392 | 20 | 439 | 34241 | 1.12 | 78.00 | 87.35 |
| SPR021 | WI | 66 | 744 | 13 | 220 | 19745 | 0.30 | 89.75 | 26.54 |
| WND081 | WI | 66 | 270 | 17 | 545 | 46679 | 2.02 | 85.65 | 172.89 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| ALC117 | WI | 67 | 295 | 6 | 303 | 52597 | 1.03 | 173.59 | 178.29 |
| ALC118 | WI | 67 | 324 | 14 | 121 | 20296 | 0.37 | 167.74 | 62.64 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA021 | WI | 67 | 671 | 20 | 63 | 8437 | 0.09 | 133.92 | 12.57 |
| BLA022 | WI | 67 | 17 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| BLA023 | WI | 67 | 557 | 3 | 3 | 1386 | 0.01 | 462.00 | 2.49 |
| CAT021 | WI | 67 | 484 | 41 | 965 | 267085 | 1.99 | 276.77 | 551.83 |
| CPM021 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM022 | WI | 67 | 5 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM032 | WI | 67 | 617 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM033 | WI | 67 | 394 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| CSH021 | WI | 67 | 122 | 9 | 410 | 26837 | 3.36 | 65.46 | 219.98 |
| CSH022 | WI | 67 | 425 | 33 | 1360 | 122110 | 3.20 | 89.79 | 287.32 |
| CVA021 | WI | 67 | 668 | 34 | 238 | 60953 | 0.36 | 256.11 | 91.25 |
| CVA022 | WI | 67 | 364 | 17 | 106 | 4646 | 0.29 | 43.83 | 12.76 |
| ETK021 | WI | 67 | 335 | 21 | 105 | 8461 | 0.31 | 80.58 | 25.26 |
| GAL021 | WI | 67 | 1238 | 50 | 295 | 48990 | 0.24 | 166.07 | 39.57 |
| GVA021 | WI | 67 | 309 | 5 | 32 | 3976 | 0.10 | 124.25 | 12.87 |
| HAF001 | WI | 67 | 108 | 1 | 170 | 17510 | 1.57 | 103.00 | 162.13 |
| MER021 | WI | 67 | 754 | 23 | 111 | 58482 | 0.15 | 526.86 | 77.56 |
| MLS021 | WI | 67 | 514 | 17 | 1578 | 350330 | 3.07 | 222.01 | 681.58 |
| MLS022 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| RKL021 | WI | 67 | 699 | 23 | 177 | 69869 | 0.25 | 394.74 | 99.96 |
| SPA021 | WI | 67 | 175 | 3 | 3 | 159 | 0.02 | 53.00 | 0.91 |
| SPA022 | WI | 67 | 1683 | 28 | 2142 | 77447 | 1.27 | 36.16 | 46.02 |
| SPA031 | WI | 67 | 1560 | 10 | 36 | 6007 | 0.02 | 166.86 | 3.85 |
| SPA032 | WI | 67 | 1775 | 74 | 839 | 118766 | 0.47 | 141.56 | 66.91 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| TRE021 | WI | 67 | 18 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| VIR002 | WI | 67 | 498 | 5 | 29 | 3513 | 0.06 | 121.14 | 7.05 |

# *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| VIR003 | WI | 67 | 893 | 10 | 71 | 8811 | 0.08 | 124.10 | 9.87 |
| VIR061 | WI | 67 | 1298 | 34 | 1652 | 457722 | 1.27 | 277.07 | 352.64 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| WHH022 | WI | 67 | 559 | 11 | 1656 | 293919 | 2.96 | 177.49 | 525.79 |
| WHH023 | WI | 67 | 745 | 14 | 890 | 80208 | 1.19 | 90.12 | 107.66 |
| WSM081 | WI | 67 | 1199 | 51 | 758 | 122309 | 0.63 | 161.36 | 102.01 |
| WSM091 | WI | 67 | 1948 | 51 | 607 | 118106 | 0.31 | 194.57 | 60.63 |
| WSM092 | WI | 67 | 1085 | 14 | 251 | 30791 | 0.23 | 122.67 | 28.38 |
| COU061 | WI | 68 | 1561 | 11 | 466 | 74432 | 0.30 | 159.73 | 47.68 |
| COU062 | WI | 68 | 1371 | 32 | 1008 | 100908 | 0.74 | 100.11 | 73.60 |
| COU068 | WI | 68 | 1874 | 26 | 416 | 39509 | 0.22 | 94.97 | 21.08 |
| COU069 | WI | 68 | 468 | 8 | 154 | 37582 | 0.33 | 244.04 | 80.30 |
| COU071 | WI | 68 | 1271 | 19 | 375 | 30026 | 0.30 | 80.07 | 23.62 |
| COU077 | WI | 68 | 1765 | 35 | 542 | 51291 | 0.31 | 94.63 | 29.06 |
| COU078 | WI | 68 | 1211 | 15 | 129 | 11284 | 0.11 | 87.47 | 9.32 |
| COU079 | WI | 68 | 546 | 26 | 482 | 52769 | 0.88 | 109.48 | 96.65 |
| FEN061 | WI | 68 | 1182 | 19 | 3298 | 231477 | 2.79 | 70.19 | 195.84 |
| FEN062 | WI | 68 | 483 | 4 | 4 | 519 | 0.01 | 129.75 | 1.07 |
| FEN063 | WI | 68 | 597 | 1 | 1 | 95 | 0.00 | 95.00 | 0.16 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| FEN072 | WI | 68 | 847 | 12 | 43 | 8114 | 0.05 | 188.70 | 9.58 |
| FEN073 | WI | 68 | 946 | 11 | 81 | 5719 | 0.09 | 70.60 | 6.05 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| GEN197 | WI | 68 | 760 | 14 | 83 | 15319 | 0.11 | 184.57 | 20.16 |
| GEN198 | WI | 68 | 268 | 11 | 1163 | 161449 | 4.34 | 138.82 | 602.42 |
| HLA062 | WI | 68 | 1417 | 17 | 35 | 4071 | 0.02 | 116.31 | 2.87 |
| HLA063 | WI | 68 | 0 | 29 | 630 | 69715 | 0.00 | 110.66 | 0.00 |
| HLA071 | WI | 68 | 1205 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| LAX062 | WI | 68 | 1845 | 22 | 212 | 33095 | 0.11 | 156.11 | 17.94 |
| LAX063 | WI | 68 | 1484 | 12 | 124 | 6682 | 0.08 | 53.89 | 4.50 |
| LAX065 | WI | 68 | 953 | 2 | 68 | 28931 | 0.07 | 425.46 | 30.36 |
| LAX067 | WI | 68 | 787 | 13 | 273 | 51559 | 0.35 | 188.86 | 65.51 |
| LAX074 | WI | 68 | 631 | 7 | 79 | 6603 | 0.13 | 83.58 | 10.46 |
| LAX075 | WI | 68 | 1601 | 11 | 245 | 116713 | 0.15 | 476.38 | 72.90 |
| LAX076 | WI | 68 | 1153 | 8 | 41 | 3485 | 0.04 | 85.00 | 3.02 |
| LAX077 | WI | 68 | 1098 | 12 | 118 | 12085 | 0.11 | 102.42 | 11.01 |
| MAF061 | WI | 68 | 269 | 6 | 283 | 19485 | 1.05 | 68.85 | 72.43 |
| MAF062 | WI | 68 | 46 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MAF063 | WI | 68 | 1541 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| MAF071 | WI | 68 | 1043 | 22 | 248 | 15964 | 0.24 | 64.37 | 15.31 |
| MAF072 | WI | 68 | 631 | 18 | 341 | 60467 | 0.54 | 177.32 | 95.83 |
| ONA061 | WI | 68 | 2208 | 37 | 1152 | 104407 | 0.52 | 90.63 | 47.29 |
| ONA062 | WI | 68 | 939 | 17 | 2319 | 664244 | 2.47 | 286.44 | 707.40 |

## *Xcel Energy North 1998 YE Feeder Reliability*
## *All Levels Without Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI | CAIDI | SAIDI |
|---|---|---|---|---|---|---|---|---|---|
| SWC061 | WI | 68 | 353 | 5 | 217 | 14209 | 0.61 | 65.48 | 40.25 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 | 0.00 | 0.00 |
| SWC071 | WI | 68 | 255 | 6 | 66 | 9099 | 0.26 | 137.86 | 35.68 |
| SWC072 | WI | 68 | 1178 | 8 | 295 | 22395 | 0.25 | 75.92 | 19.01 |

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# *Year 2000*
# *SAIFI*

## *With Storms*

# *Xcel Energy Wisconsin Reliability Indices for year 2000*

| System Aggregate Numbers *With Storms* | | | System Aggregate Numbers *Without Storms* | | |
|---|---|---|---|---|---|
| **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 1.31 | 131.71 | 172.38 | 1.03 | 94.81 | 97.34 |

| | Aggregate numbers by Operating Area *With Storms* | | | Aggregate numbers by Operating Area *Without Storms* | | |
|---|---|---|---|---|---|---|
| | **SAIFI** | **CAIDI** | **SAIDI** | **SAIFI** | **CAIDI** | **SAIDI** |
| 60 Indianhead – Amery | 1.48 | 175.60 | 259.38 | 0.92 | 88.69 | 81.68 |
| 61 Lakes-Rice Lake | 2.21 | 184.19 | 406.16 | 1.70 | 113.96 | 194.05 |
| 62 Lake Superior – Ashland | 1.55 | 149.55 | 231.81 | 1.26 | 113.10 | 142.33 |
| 63 Range – Ironwood | 2.28 | 98.57 | 225.16 | 2.05 | 93.31 | 190.89 |
| 64 Central East – Abbotsford | 1.10 | 138.33 | 152.63 | 0.66 | 111.67 | 73.78 |
| 65 Central Metro – Eau Claire | 0.90 | 107.44 | 96.45 | 0.74 | 80.03 | 58.85 |
| 66 Central West – Menomenie | 1.13 | 91.66 | 103.15 | 0.97 | 84.18 | 81.76 |
| 67 Southern – Blair/Sparta | 1.15 | 106.58 | 122.20 | 0.85 | 90.22 | 76.76 |
| 68 LaCrosse | 0.78 | 92.25 | 71.80 | 0.72 | 82.85 | 59.33 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280145 | | 30[illegible] | 396[illegible]8258 | [illegible] |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 |
| RIC082 | WI | 60 | 25 | 0 | 0 | 0 | 0.00 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| CAB023 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| THA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| YLR081 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 |
| FLB010 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 |
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| TST001 | WI | 62 | 300 | 0 | 0 | 0 | 0.00 |
| WBI021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| ALN001 | WI | 63 | 6 | 0 | 0 | 0 | 0.00 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 |
| IRW001 | WI | 63 | 352 | 0 | 0 | 0 | 0.00 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 |
| OJB021 | WI | 63 | 5 | 0 | 0 | 0 | 0.00 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CHF023 | WI | 65 | 0 | 15 | 956 | 82871 | 0.00 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| ELS023 | WI | 65 | 15 | 0 | 0 | 0 | 0.00 |
| ELS024 | WI | 65 | 97 | 0 | 0 | 0 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280145 | | 301211 | 39673258 | [illegible] |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 |
| HYD021 | WI | 65 | 22 | 0 | 0 | 0 | 0.00 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| STE471 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| TRX023 | WI | 65 | 0 | 5 | 58 | 4232 | 0.00 |
| USR533 | WI | 65 | 6 | 0 | 0 | 0 | 0.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 |
| MEN031 | WI | 66 | 25 | 0 | 0 | 0 | 0.00 |
| RCD031 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 |
| RCD032 | WI | 66 | 6 | 0 | 0 | 0 | 0.00 |
| RCD033 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| BLA022 | WI | 67 | 17 | 0 | 0 | 0 | 0.00 |
| CPM021 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| CPM022 | WI | 67 | 5 | 0 | 0 | 0 | 0.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 |
| MLS022 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| HLA063 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 |
| CLL082 | WI | 60 | 397 | 1 | 1 | 41 | 0.00 |
| FEN063 | WI | 68 | 597 | 2 | 2 | 95 | 0.00 |
| TUR021 | WI | 60 | 284 | 1 | 1 | 7 | 0.00 |
| NEL021 | WI | 66 | 245 | 1 | 1 | 314 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 236145 | | 301241 | 39678258 | [illegible] |
| CPM033 | WI | 67 | 394 | 1 | 2 | 160 | 0.01 |
| SOE001 | WI | 62 | 500 | 3 | 3 | 109 | 0.01 |
| ELS034 | WI | 65 | 282 | 2 | 2 | 191 | 0.01 |
| CPM032 | WI | 67 | 617 | 2 | 6 | 414 | 0.01 |
| MAF072 | WI | 68 | 631 | 5 | 7 | 720 | 0.01 |
| SWC061 | WI | 68 | 353 | 4 | 4 | 819 | 0.01 |
| MEN023 | WI | 66 | 343 | 4 | 4 | 185 | 0.01 |
| UPS001 | WI | 63 | 45 | 1 | 1 | 103 | 0.02 |
| VAV001 | WI | 62 | 282 | 7 | 7 | 748 | 0.02 |
| RCD022 | WI | 66 | 101 | 3 | 3 | 147 | 0.03 |
| ELS021 | WI | 65 | 424 | 1 | 13 | 1807 | 0.03 |
| OGE021 | WI | 62 | 171 | 3 | 6 | 435 | 0.04 |
| HYD031 | WI | 65 | 56 | 2 | 2 | 724 | 0.04 |
| MAD062 | WI | 65 | 930 | 12 | 37 | 3167 | 0.04 |
| MCO001 | WI | 63 | 201 | 4 | 8 | 1648 | 0.04 |
| MAD061 | WI | 65 | 315 | 6 | 13 | 1879 | 0.04 |
| BAV001 | WI | 62 | 731 | 6 | 31 | 2215 | 0.04 |
| FEN062 | WI | 68 | 483 | 3 | 21 | 5805 | 0.04 |
| WTL061 | WI | 61 | 1393 | 13 | 64 | 27629 | 0.05 |
| CSH021 | WI | 67 | 122 | 6 | 6 | 863 | 0.05 |
| HLA071 | WI | 68 | 1205 | 12 | 63 | 6732 | 0.05 |
| IRB001 | WI | 63 | 149 | 1 | 8 | 784 | 0.05 |
| FLC097 | WI | 65 | 605 | 6 | 34 | 7685 | 0.06 |
| COU061 | WI | 68 | 1561 | 13 | 92 | 7015 | 0.06 |
| COU078 | WI | 68 | 1211 | 9 | 72 | 2346 | 0.06 |
| ALM560 | WI | 66 | 15 | 1 | 1 | 149 | 0.07 |
| VIR002 | WI | 67 | 498 | 4 | 34 | 3498 | 0.07 |
| CSH022 | WI | 67 | 425 | 19 | 30 | 3940 | 0.07 |
| LAX067 | WI | 68 | 787 | 5 | 56 | 8030 | 0.07 |
| LON061 | WI | 65 | 1293 | 22 | 95 | 6816 | 0.07 |
| PRE022 | WI | 60 | 663 | 8 | 49 | 6614 | 0.07 |
| OTC022 | WI | 65 | 1565 | 18 | 120 | 13486 | 0.08 |
| OSC021 | WI | 60 | 1221 | 25 | 94 | 7673 | 0.08 |
| TRX022 | WI | 65 | 747 | 12 | 59 | 5104 | 0.08 |
| LAX065 | WI | 68 | 953 | 11 | 76 | 10257 | 0.08 |
| LAX063 | WI | 68 | 1484 | 12 | 140 | 15541 | 0.09 |
| STM021 | WI | 65 | 520 | 10 | 51 | 6360 | 0.10 |
| DUR021 | WI | 66 | 482 | 5 | 48 | 4123 | 0.10 |
| LOY021 | WI | 64 | 958 | 18 | 103 | 9922 | 0.11 |
| FIN021 | WI | 61 | 654 | 12 | 71 | 6601 | 0.11 |
| OPK011 | WI | 60 | 9 | 1 | 1 | 800 | 0.11 |
| ARK081 | WI | 66 | 80 | 9 | 9 | 863 | 0.11 |
| COU071 | WI | 68 | 1271 | 12 | 147 | 14478 | 0.12 |
| AUG022 | WI | 65 | 690 | 6 | 83 | 11518 | 0.12 |
| MRC022 | WI | 63 | 1507 | 1 | 186 | 25482 | 0.12 |
| OSC022 | WI | 60 | 724 | 14 | 92 | 4965 | 0.13 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 280145 | | 801211 | 8967258 | [illegible] |
| MAF061 | WI | 68 | 269 | 3 | 35 | 1810 | 0.13 |
| ELK001 | WI | 65 | 403 | 12 | 53 | 11062 | 0.13 |
| FEN073 | WI | 68 | 946 | 21 | 132 | 13087 | 0.14 |
| TRX031 | WI | 65 | 74 | 7 | 11 | 1987 | 0.15 |
| POK062 | WI | 61 | 877 | 21 | 136 | 30318 | 0.16 |
| GLM021 | WI | 64 | 473 | 25 | 75 | 7104 | 0.16 |
| SWC072 | WI | 68 | 1178 | 15 | 187 | 13891 | 0.16 |
| SPA032 | WI | 67 | 1775 | 40 | 283 | 26672 | 0.16 |
| LYN021 | WI | 64 | 253 | 14 | 41 | 5559 | 0.16 |
| SCF025 | WI | 60 | 949 | 19 | 154 | 9092 | 0.16 |
| CMR021 | WI | 61 | 1078 | 29 | 179 | 17990 | 0.17 |
| FEN072 | WI | 68 | 847 | 17 | 142 | 8656 | 0.17 |
| SWC071 | WI | 68 | 255 | 5 | 43 | 5385 | 0.17 |
| RBL021 | WI | 62 | 134 | 6 | 23 | 1902 | 0.17 |
| COU079 | WI | 68 | 546 | 3 | 94 | 8138 | 0.17 |
| AUG021 | WI | 65 | 309 | 18 | 55 | 6545 | 0.18 |
| RVW021 | WI | 65 | 81 | 1 | 15 | 4185 | 0.19 |
| MAF062 | WI | 68 | 46 | 1 | 9 | 1125 | 0.20 |
| STA081 | WI | 64 | 275 | 3 | 54 | 4662 | 0.20 |
| TUR022 | WI | 60 | 341 | 11 | 67 | 24446 | 0.20 |
| WLR091 | WI | 60 | 2216 | 37 | 437 | 75335 | 0.20 |
| LON072 | WI | 65 | 666 | 5 | 134 | 11375 | 0.20 |
| ALM559 | WI | 66 | 508 | 8 | 103 | 35700 | 0.20 |
| MAD071 | WI | 65 | 733 | 16 | 149 | 8776 | 0.20 |
| ELS022 | WI | 65 | 465 | 5 | 97 | 11182 | 0.21 |
| FAY001 | WI | 62 | 467 | 16 | 98 | 8351 | 0.21 |
| ELS032 | WI | 65 | 1168 | 11 | 246 | 14356 | 0.21 |
| VIR061 | WI | 67 | 1298 | 31 | 285 | 29409 | 0.22 |
| LAX062 | WI | 68 | 1845 | 30 | 422 | 56984 | 0.23 |
| NAP022 | WI | 65 | 1398 | 19 | 340 | 49187 | 0.24 |
| BLA023 | WI | 67 | 557 | 9 | 138 | 20888 | 0.25 |
| GST023 | WI | 60 | 565 | 13 | 142 | 20195 | 0.25 |
| MAD072 | WI | 65 | 2103 | 42 | 532 | 57195 | 0.25 |
| WTL062 | WI | 61 | 1127 | 22 | 296 | 19597 | 0.26 |
| SPE021 | WI | 64 | 1001 | 16 | 264 | 38939 | 0.26 |
| MAF063 | WI | 68 | 1541 | 17 | 407 | 38859 | 0.26 |
| CLL081 | WI | 60 | 486 | 12 | 133 | 18290 | 0.27 |
| RCL021 | WI | 61 | 51 | 1 | 14 | 1008 | 0.27 |
| ELM022 | WI | 66 | 585 | 12 | 163 | 27290 | 0.28 |
| LYN022 | WI | 64 | 415 | 15 | 117 | 19747 | 0.28 |
| LON062 | WI | 65 | 455 | 8 | 130 | 8377 | 0.29 |
| COU062 | WI | 68 | 1371 | 22 | 404 | 38097 | 0.29 |
| OTC032 | WI | 65 | 1441 | 25 | 438 | 47576 | 0.30 |
| BFT062 | WI | 62 | 424 | 3 | 130 | 4672 | 0.31 |
| TRP022 | WI | 64 | 911 | 11 | 288 | 43630 | 0.32 |
| ELS033 | WI | 65 | 1488 | 29 | 476 | 44911 | 0.32 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | [illegible] | | [illegible] | [illegible] | [illegible] |
| PHL031 | WI | 62 | 990 | 34 | 321 | 16131 | 0.32 |
| COU077 | WI | 68 | 1765 | 30 | 577 | 50660 | 0.33 |
| DUR022 | WI | 66 | 1010 | 31 | 331 | 67021 | 0.33 |
| HWD021 | WI | 61 | 531 | 14 | 175 | 35483 | 0.33 |
| OTC031 | WI | 65 | 1697 | 42 | 561 | 130825 | 0.33 |
| ARK082 | WI | 66 | 601 | 16 | 200 | 45253 | 0.33 |
| PRS563 | WI | 65 | 3 | 1 | 1 | 24 | 0.33 |
| TRE021 | WI | 67 | 18 | 3 | 6 | 808 | 0.33 |
| MEN021 | WI | 66 | 872 | 25 | 307 | 26737 | 0.35 |
| STN001 | WI | 64 | 41 | 1 | 15 | 1605 | 0.37 |
| COU068 | WI | 68 | 1874 | 30 | 696 | 150967 | 0.37 |
| GVA021 | WI | 67 | 309 | 16 | 120 | 7869 | 0.39 |
| FEN061 | WI | 68 | 1182 | 16 | 470 | 36779 | 0.40 |
| TRP021 | WI | 64 | 499 | 35 | 200 | 17385 | 0.40 |
| LON071 | WI | 65 | 654 | 11 | 275 | 31777 | 0.42 |
| CVA021 | WI | 67 | 668 | 17 | 281 | 29879 | 0.42 |
| JIM021 | WI | 65 | 360 | 14 | 154 | 21986 | 0.43 |
| BFT061 | WI | 62 | 557 | 9 | 240 | 37368 | 0.43 |
| NLV032 | WI | 64 | 536 | 16 | 235 | 61714 | 0.44 |
| EGA022 | WI | 66 | 347 | 14 | 153 | 29005 | 0.44 |
| TRX032 | WI | 65 | 1786 | 33 | 804 | 58103 | 0.45 |
| ETK021 | WI | 67 | 335 | 16 | 156 | 34823 | 0.47 |
| EGP021 | WI | 65 | 2078 | 61 | 968 | 271166 | 0.47 |
| AYR021 | WI | 63 | 812 | 12 | 392 | 17925 | 0.48 |
| WLR081 | WI | 60 | 604 | 23 | 293 | 74872 | 0.49 |
| MEN022 | WI | 66 | 1527 | 33 | 850 | 52945 | 0.56 |
| MEN032 | WI | 66 | 1779 | 40 | 1023 | 103590 | 0.58 |
| STM022 | WI | 65 | 990 | 21 | 573 | 54883 | 0.58 |
| ELS031 | WI | 65 | 743 | 7 | 431 | 161710 | 0.58 |
| CHF031 | WI | 65 | 420 | 12 | 246 | 11253 | 0.59 |
| RBL023 | WI | 62 | 668 | 25 | 409 | 62552 | 0.61 |
| HAL072 | WI | 65 | 1149 | 18 | 706 | 60024 | 0.61 |
| SPA021 | WI | 67 | 175 | 8 | 108 | 8306 | 0.62 |
| ELS027 | WI | 65 | 2100 | 41 | 1304 | 157831 | 0.62 |
| STA082 | WI | 64 | 701 | 15 | 452 | 48283 | 0.64 |
| COU069 | WI | 68 | 468 | 12 | 308 | 25293 | 0.66 |
| HWY021 | WI | 62 | 3 | 2 | 2 | 193 | 0.67 |
| BEA414 | WI | 60 | 820 | 29 | 551 | 41980 | 0.67 |
| RSK021 | WI | 66 | 392 | 24 | 273 | 18052 | 0.70 |
| HAL073 | WI | 65 | 397 | 16 | 281 | 30746 | 0.71 |
| GER001 | WI | 63 | 435 | 6 | 309 | 5261 | 0.71 |
| WDB001 | WI | 63 | 7 | 5 | 5 | 1542 | 0.71 |
| TCN081 | WI | 64 | 2048 | 57 | 1528 | 231137 | 0.75 |
| HWD022 | WI | 61 | 658 | 28 | 493 | 129301 | 0.75 |
| STN002 | WI | 64 | 921 | 15 | 698 | 59963 | 0.76 |
| PRE021 | WI | 60 | 1204 | 27 | 921 | 165954 | 0.76 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 230145 | | 301211 | 39676258 | [illegible] |
| BEA415 | WI | 60 | 377 | 9 | 301 | 18508 | 0.80 |
| TCN091 | WI | 64 | 941 | 48 | 779 | 174274 | 0.83 |
| YLR082 | WI | 61 | 1062 | 35 | 935 | 62518 | 0.88 |
| NLV031 | WI | 64 | 584 | 34 | 529 | 59905 | 0.91 |
| NAP021 | WI | 65 | 514 | 28 | 469 | 52053 | 0.91 |
| LOY022 | WI | 64 | 748 | 14 | 702 | 264160 | 0.94 |
| STN003 | WI | 64 | 381 | 4 | 362 | 29635 | 0.95 |
| PMP001 | WI | 61 | 6 | 1 | 6 | 36 | 1.00 |
| LUP001 | WI | 63 | 3 | 1 | 3 | 18 | 1.00 |
| LPA001 | WI | 62 | 3 | 1 | 3 | 156 | 1.00 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 165 | 1.00 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 384 | 1.00 |
| EWA001 | WI | 61 | 3 | 1 | 3 | 552 | 1.00 |
| AMC002 | WI | 62 | 3 | 1 | 3 | 1365 | 1.00 |
| CHF021 | WI | 65 | 641 | 10 | 645 | 62858 | 1.01 |
| HUR021 | WI | 63 | 291 | 8 | 296 | 17341 | 1.02 |
| PRN021 | WI | 62 | 764 | 32 | 779 | 147955 | 1.02 |
| MDR021 | WI | 66 | 148 | 13 | 153 | 26928 | 1.03 |
| RIC081 | WI | 60 | 1968 | 51 | 2072 | 363092 | 1.05 |
| PHL021 | WI | 62 | 734 | 14 | 778 | 112732 | 1.06 |
| LKC081 | WI | 60 | 1221 | 40 | 1295 | 322356 | 1.06 |
| OLU021 | WI | 62 | 90 | 4 | 97 | 5833 | 1.08 |
| GLA021 | WI | 63 | 75 | 2 | 81 | 522 | 1.08 |
| RCD024 | WI | 66 | 380 | 13 | 417 | 82213 | 1.10 |
| SPA031 | WI | 67 | 1560 | 16 | 1715 | 64764 | 1.10 |
| GST021 | WI | 60 | 394 | 5 | 445 | 29311 | 1.13 |
| PTW001 | WI | 62 | 302 | 10 | 342 | 20918 | 1.13 |
| HAF001 | WI | 67 | 108 | 4 | 123 | 6670 | 1.14 |
| WBN021 | WI | 62 | 831 | 4 | 949 | 49331 | 1.14 |
| ALC118 | WI | 67 | 324 | 19 | 381 | 22550 | 1.18 |
| CRN001 | WI | 62 | 117 | 2 | 138 | 8556 | 1.18 |
| LAX076 | WI | 68 | 1153 | 19 | 1374 | 66317 | 1.19 |
| ELM021 | WI | 66 | 218 | 15 | 261 | 53259 | 1.20 |
| HER001 | WI | 62 | 139 | 7 | 167 | 11086 | 1.20 |
| MLS021 | WI | 67 | 514 | 16 | 620 | 32900 | 1.21 |
| CUM082 | WI | 60 | 101 | 4 | 122 | 12522 | 1.21 |
| HAY081 | WI | 66 | 645 | 15 | 781 | 108861 | 1.21 |
| MNR022 | WI | 62 | 109 | 5 | 132 | 8229 | 1.21 |
| EGA021 | WI | 66 | 116 | 12 | 142 | 26809 | 1.22 |
| TRX033 | WI | 65 | 341 | 4 | 419 | 23021 | 1.23 |
| WHH022 | WI | 67 | 559 | 19 | 688 | 68652 | 1.23 |
| HLA062 | WI | 68 | 1417 | 21 | 1748 | 100218 | 1.23 |
| CEF081 | WI | 66 | 808 | 35 | 1005 | 71170 | 1.24 |
| CHF022 | WI | 65 | 1562 | 18 | 1944 | 204835 | 1.24 |
| MLN001 | WI | 62 | 585 | 21 | 736 | 79491 | 1.26 |
| SPA022 | WI | 67 | 1683 | 27 | 2132 | 59331 | 1.27 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 230145 | | 301211 | 39673258 | [illegible] |
| TWT081 | WI | 60 | 1097 | 38 | 1422 | 141176 | 1.30 |
| WBN022 | WI | 62 | 435 | 10 | 566 | 31901 | 1.30 |
| RCL031 | WI | 61 | 1356 | 86 | 1766 | 314187 | 1.30 |
| VIR003 | WI | 67 | 893 | 18 | 1169 | 26294 | 1.31 |
| RMS001 | WI | 63 | 613 | 16 | 808 | 79513 | 1.32 |
| BLA021 | WI | 67 | 671 | 23 | 893 | 159957 | 1.33 |
| CVA022 | WI | 67 | 364 | 21 | 487 | 83087 | 1.34 |
| SCF024 | WI | 60 | 177 | 10 | 247 | 12078 | 1.40 |
| TAD021 | WI | 61 | 335 | 12 | 474 | 110836 | 1.41 |
| ONA062 | WI | 68 | 939 | 20 | 1349 | 57473 | 1.44 |
| HAY082 | WI | 66 | 1685 | 23 | 2438 | 89302 | 1.45 |
| HUR022 | WI | 63 | 666 | 12 | 972 | 22165 | 1.46 |
| BAY021 | WI | 60 | 793 | 37 | 1166 | 255428 | 1.47 |
| CTS021 | WI | 64 | 718 | 17 | 1064 | 224040 | 1.48 |
| WSM092 | WI | 67 | 1085 | 16 | 1608 | 138001 | 1.48 |
| CTA021 | WI | 62 | 313 | 14 | 468 | 35497 | 1.50 |
| WSM091 | WI | 67 | 1948 | 50 | 2930 | 172509 | 1.50 |
| MNT001 | WI | 63 | 823 | 10 | 1249 | 14849 | 1.52 |
| ELL021 | WI | 60 | 1027 | 24 | 1568 | 306204 | 1.53 |
| LUK021 | WI | 60 | 1017 | 27 | 1556 | 514081 | 1.53 |
| AYR022 | WI | 63 | 872 | 38 | 1353 | 122176 | 1.55 |
| POK061 | WI | 61 | 782 | 20 | 1233 | 278842 | 1.58 |
| SVN001 | WI | 62 | 290 | 5 | 464 | 45642 | 1.60 |
| WIB569 | WI | 65 | 1235 | 43 | 1991 | 289134 | 1.61 |
| TRX021 | WI | 65 | 953 | 46 | 1558 | 160187 | 1.63 |
| STA083 | WI | 64 | 553 | 13 | 909 | 13754 | 1.64 |
| RSH092 | WI | 60 | 286 | 7 | 474 | 21553 | 1.66 |
| OPY081 | WI | 61 | 580 | 30 | 973 | 81655 | 1.68 |
| OTC021 | WI | 65 | 460 | 19 | 773 | 56731 | 1.68 |
| CHF024 | WI | 65 | 1358 | 32 | 2343 | 203762 | 1.73 |
| OPK010 | WI | 60 | 346 | 9 | 604 | 17680 | 1.75 |
| WHH023 | WI | 67 | 745 | 12 | 1312 | 300305 | 1.76 |
| GLN393 | WI | 60 | 598 | 48 | 1081 | 199335 | 1.81 |
| GEN197 | WI | 68 | 760 | 11 | 1386 | 318974 | 1.82 |
| LAX074 | WI | 68 | 631 | 18 | 1157 | 42105 | 1.83 |
| IRW005 | WI | 63 | 588 | 11 | 1089 | 40481 | 1.85 |
| SHW021 | WI | 65 | 262 | 15 | 503 | 25718 | 1.92 |
| BIR021 | WI | 61 | 903 | 54 | 1745 | 343887 | 1.93 |
| WDM081 | WI | 61 | 746 | 38 | 1445 | 115378 | 1.94 |
| WLR082 | WI | 60 | 2160 | 49 | 4269 | 1262572 | 1.98 |
| BLD021 | WI | 63 | 629 | 19 | 1246 | 107570 | 1.98 |
| HGN021 | WI | 63 | 6 | 2 | 12 | 366 | 2.00 |
| TLA001 | WI | 63 | 1 | 2 | 2 | 61 | 2.00 |
| AMC001 | WI | 62 | 3 | 2 | 6 | 1521 | 2.00 |
| GRV021 | WI | 62 | 106 | 4 | 212 | 58551 | 2.00 |
| LKH010 | WI | 64 | 3 | 2 | 6 | 2754 | 2.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 230145 | | 301211 | 39678258 | [illegible] |
| BIR022 | WI | 61 | 565 | 23 | 1138 | 149599 | 2.01 |
| RSH081 | WI | 60 | 1983 | 32 | 4018 | 127677 | 2.03 |
| SST062 | WI | 62 | 586 | 9 | 1236 | 85400 | 2.11 |
| IRW003 | WI | 63 | 530 | 11 | 1118 | 30420 | 2.11 |
| NRA001 | WI | 63 | 470 | 5 | 1000 | 14176 | 2.13 |
| RTL022 | WI | 63 | 936 | 76 | 1998 | 502965 | 2.13 |
| BKD021 | WI | 62 | 285 | 15 | 616 | 91988 | 2.16 |
| NLV021 | WI | 64 | 984 | 6 | 2127 | 279118 | 2.16 |
| TCN092 | WI | 64 | 2132 | 19 | 4618 | 125956 | 2.17 |
| SXF021 | WI | 63 | 203 | 7 | 443 | 25942 | 2.18 |
| CAD061 | WI | 65 | 49 | 7 | 109 | 15882 | 2.22 |
| NFO021 | WI | 62 | 1051 | 50 | 2341 | 666397 | 2.23 |
| MAF071 | WI | 68 | 1043 | 19 | 2355 | 184032 | 2.26 |
| NSI001 | WI | 63 | 628 | 12 | 1421 | 46310 | 2.26 |
| BES022 | WI | 63 | 1082 | 15 | 2449 | 77014 | 2.26 |
| TWN021 | WI | 63 | 691 | 24 | 1584 | 47748 | 2.29 |
| SPR021 | WI | 66 | 744 | 24 | 1707 | 68207 | 2.29 |
| SLD021 | WI | 61 | 282 | 20 | 648 | 27241 | 2.30 |
| TRL081 | WI | 61 | 1093 | 55 | 2537 | 471142 | 2.32 |
| WTH001 | WI | 61 | 3 | 3 | 7 | 699 | 2.33 |
| OTC023 | WI | 65 | 1369 | 23 | 3209 | 286299 | 2.34 |
| RBL022 | WI | 62 | 173 | 7 | 406 | 46758 | 2.35 |
| GAL021 | WI | 67 | 1238 | 48 | 2913 | 389952 | 2.35 |
| LAX075 | WI | 68 | 1601 | 22 | 3781 | 221992 | 2.36 |
| NFO031 | WI | 62 | 1296 | 31 | 3076 | 447256 | 2.37 |
| ONA061 | WI | 68 | 2208 | 44 | 5296 | 401968 | 2.40 |
| RID081 | WI | 61 | 525 | 23 | 1270 | 98680 | 2.42 |
| ELL022 | WI | 60 | 308 | 9 | 746 | 114379 | 2.42 |
| CHF033 | WI | 65 | 559 | 12 | 1361 | 201631 | 2.43 |
| HAL062 | WI | 65 | 1611 | 30 | 3927 | 307160 | 2.44 |
| WSM081 | WI | 67 | 1199 | 38 | 2954 | 502682 | 2.46 |
| EGP022 | WI | 65 | 291 | 23 | 723 | 39160 | 2.48 |
| JKS021 | WI | 63 | 4 | 2 | 10 | 305 | 2.50 |
| BES021 | WI | 63 | 1057 | 29 | 2688 | 102115 | 2.54 |
| RSH091 | WI | 60 | 943 | 27 | 2413 | 90771 | 2.56 |
| MCR021 | WI | 63 | 1668 | 95 | 4331 | 891450 | 2.60 |
| TRL082 | WI | 61 | 82 | 6 | 218 | 35699 | 2.66 |
| HYD032 | WI | 65 | 2398 | 64 | 6409 | 410968 | 2.67 |
| RCD023 | WI | 66 | 887 | 27 | 2373 | 119458 | 2.68 |
| SST061 | WI | 62 | 542 | 16 | 1454 | 124494 | 2.68 |
| MER021 | WI | 67 | 754 | 12 | 2028 | 316064 | 2.69 |
| HAL063 | WI | 65 | 1476 | 25 | 3973 | 626449 | 2.69 |
| BNT021 | WI | 62 | 466 | 24 | 1264 | 269263 | 2.71 |
| OWN021 | WI | 64 | 1229 | 35 | 3399 | 873486 | 2.77 |
| RKL021 | WI | 67 | 699 | 43 | 1935 | 154251 | 2.77 |
| BYD001 | WI | 64 | 312 | 28 | 876 | 92598 | 2.81 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIFI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280145 | | 801241 | 396[illegible]258 | [illegible] |
| CAT021 | WI | 67 | 484 | 34 | 1377 | 237490 | 2.85 |
| CON021 | WI | 61 | 310 | 21 | 882 | 75324 | 2.85 |
| RTL021 | WI | 63 | 1034 | 95 | 2944 | 367356 | 2.85 |
| TWN022 | WI | 63 | 673 | 25 | 1939 | 136907 | 2.88 |
| BYF021 | WI | 62 | 2131 | 82 | 6174 | 998681 | 2.90 |
| WHR021 | WI | 62 | 147 | 11 | 427 | 48343 | 2.90 |
| SQN001 | WI | 62 | 3 | 3 | 9 | 1218 | 3.00 |
| WHR022 | WI | 62 | 218 | 15 | 659 | 106393 | 3.02 |
| KIN081 | WI | 60 | 361 | 21 | 1104 | 64367 | 3.06 |
| AMY001 | WI | 60 | 563 | 8 | 1745 | 239957 | 3.10 |
| ALC117 | WI | 67 | 295 | 6 | 936 | 44553 | 3.17 |
| HWK021 | WI | 61 | 224 | 7 | 711 | 78095 | 3.17 |
| FOL001 | WI | 65 | 253 | 18 | 809 | 98105 | 3.20 |
| GDN021 | WI | 62 | 418 | 15 | 1342 | 284870 | 3.21 |
| MNR021 | WI | 62 | 92 | 12 | 310 | 27858 | 3.37 |
| PEP021 | WI | 66 | 897 | 35 | 3033 | 295625 | 3.38 |
| LAX077 | WI | 68 | 1098 | 27 | 3742 | 313154 | 3.41 |
| COC021 | WI | 66 | 397 | 13 | 1354 | 178162 | 3.41 |
| FIN022 | WI | 61 | 1917 | 148 | 6770 | 1716828 | 3.53 |
| WLR092 | WI | 60 | 3734 | 68 | 13198 | 3024007 | 3.53 |
| WND081 | WI | 66 | 270 | 13 | 1007 | 131372 | 3.73 |
| IHD021 | WI | 63 | 320 | 16 | 1231 | 85178 | 3.85 |
| WHR023 | WI | 62 | 236 | 28 | 914 | 122671 | 3.87 |
| CNR001 | WI | 63 | 3 | 2 | 12 | 366 | 4.00 |
| GEN198 | WI | 68 | 268 | 6 | 1088 | 344389 | 4.06 |
| SUP021 | WI | 63 | 149 | 8 | 605 | 77476 | 4.06 |
| CUM081 | WI | 60 | 218 | 12 | 920 | 87272 | 4.22 |
| DRM021 | WI | 61 | 193 | 8 | 839 | 159643 | 4.35 |
| IRW002 | WI | 63 | 561 | 11 | 2654 | 94933 | 4.73 |
| RID082 | WI | 61 | 735 | 35 | 3652 | 263490 | 4.97 |
| CAB021 | WI | 61 | 470 | 38 | 2415 | 681575 | 5.14 |
| SND021 | WI | 61 | 2491 | 178 | 13619 | 2763617 | 5.47 |
| MSE021 | WI | 62 | 29 | 7 | 160 | 37246 | 5.52 |
| CAB022 | WI | 61 | 468 | 33 | 2710 | 637365 | 5.79 |
| GMT021 | WI | 60 | 197 | 20 | 1192 | 208877 | 6.05 |
| PSI021 | WI | 63 | 1247 | 119 | 8943 | 1140866 | 7.17 |
| MCO021 | WI | 63 | 392 | 28 | 3212 | 494180 | 8.19 |

# *Year 2000*
# *CAIDI*

## *With Storms*

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280,745 | | 30,121 | 898,968 | [illegible] |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 |
| RIC082 | WI | 60 | 25 | 0 | 0 | 0 | 0.00 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| CAB023 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| THA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| YLR081 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 |
| FLB010 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 |
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| TST001 | WI | 62 | 300 | 0 | 0 | 0 | 0.00 |
| WBI021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| ALN001 | WI | 63 | 6 | 0 | 0 | 0 | 0.00 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 |
| IRW001 | WI | 63 | 352 | 0 | 0 | 0 | 0.00 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 |
| OJB021 | WI | 63 | 5 | 0 | 0 | 0 | 0.00 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| ELS023 | WI | 65 | 15 | 0 | 0 | 0 | 0.00 |
| ELS024 | WI | 65 | 97 | 0 | 0 | 0 | 0.00 |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 280145 | | 301211 | 39[illegible]258 | [illegible] |
| HYD021 | WI | 65 | 22 | 0 | 0 | 0 | 0.00 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| STE471 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| USR533 | WI | 65 | 6 | 0 | 0 | 0 | 0.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 |
| MEN031 | WI | 66 | 25 | 0 | 0 | 0 | 0.00 |
| RCD031 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 |
| RCD032 | WI | 66 | 6 | 0 | 0 | 0 | 0.00 |
| RCD033 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| BLA022 | WI | 67 | 17 | 0 | 0 | 0 | 0.00 |
| CPM021 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| CPM022 | WI | 67 | 5 | 0 | 0 | 0 | 0.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 |
| MLS022 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| HLA063 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 |
| PMP001 | WI | 61 | 6 | 1 | 6 | 36 | 6.00 |
| LUP001 | WI | 63 | 3 | 1 | 3 | 18 | 6.00 |
| GLA021 | WI | 63 | 75 | 2 | 81 | 522 | 6.44 |
| TUR021 | WI | 60 | 284 | 1 | 1 | 7 | 7.00 |
| MNT001 | WI | 63 | 823 | 10 | 1249 | 14849 | 11.89 |
| NRA001 | WI | 63 | 470 | 5 | 1000 | 14176 | 14.18 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280145 | | 301211 | 396[illegible]258 | [illegible] |
| STA083 | WI | 64 | 553 | 13 | 909 | 13754 | 15.13 |
| GER001 | WI | 63 | 435 | 6 | 309 | 5261 | 17.03 |
| VIR003 | WI | 67 | 893 | 18 | 1169 | 26294 | 22.49 |
| HUR022 | WI | 63 | 666 | 12 | 972 | 22165 | 22.80 |
| PRS563 | WI | 65 | 3 | 1 | 1 | 24 | 24.00 |
| IRW003 | WI | 63 | 530 | 11 | 1118 | 30420 | 27.21 |
| TCN092 | WI | 64 | 2132 | 19 | 4618 | 125956 | 27.28 |
| SPA022 | WI | 67 | 1683 | 27 | 2132 | 59331 | 27.83 |
| OPK010 | WI | 60 | 346 | 9 | 604 | 17680 | 29.27 |
| TWN021 | WI | 63 | 691 | 24 | 1584 | 47748 | 30.14 |
| HGN021 | WI | 63 | 6 | 2 | 12 | 366 | 30.50 |
| TLA001 | WI | 63 | 1 | 2 | 2 | 61 | 30.50 |
| JKS021 | WI | 63 | 4 | 2 | 10 | 305 | 30.50 |
| CNR001 | WI | 63 | 3 | 2 | 12 | 366 | 30.50 |
| BES022 | WI | 63 | 1082 | 15 | 2449 | 77014 | 31.45 |
| RSH081 | WI | 60 | 1983 | 32 | 4018 | 127677 | 31.78 |
| COU078 | WI | 68 | 1211 | 9 | 72 | 2346 | 32.58 |
| NSI001 | WI | 63 | 628 | 12 | 1421 | 46310 | 32.59 |
| IRW002 | WI | 63 | 561 | 11 | 2654 | 94933 | 35.77 |
| BFT062 | WI | 62 | 424 | 3 | 130 | 4672 | 35.94 |
| SOE001 | WI | 62 | 500 | 3 | 3 | 109 | 36.33 |
| LAX074 | WI | 68 | 631 | 18 | 1157 | 42105 | 36.39 |
| HAY082 | WI | 66 | 1685 | 23 | 2438 | 89302 | 36.63 |
| IRW005 | WI | 63 | 588 | 11 | 1089 | 40481 | 37.17 |
| RSH091 | WI | 60 | 943 | 27 | 2413 | 90771 | 37.62 |
| SPA031 | WI | 67 | 1560 | 16 | 1715 | 64764 | 37.76 |
| BES021 | WI | 63 | 1057 | 29 | 2688 | 102115 | 37.99 |
| SPR021 | WI | 66 | 744 | 24 | 1707 | 68207 | 39.96 |
| CLL082 | WI | 60 | 397 | 1 | 1 | 41 | 41.00 |
| SLD021 | WI | 61 | 282 | 20 | 648 | 27241 | 42.04 |
| ONA062 | WI | 68 | 939 | 20 | 1349 | 57473 | 42.60 |
| RSH092 | WI | 60 | 286 | 7 | 474 | 21553 | 45.47 |
| AYR021 | WI | 63 | 812 | 12 | 392 | 17925 | 45.73 |
| CHF031 | WI | 65 | 420 | 12 | 246 | 11253 | 45.74 |
| MEN023 | WI | 66 | 343 | 4 | 4 | 185 | 46.25 |
| FEN063 | WI | 68 | 597 | 2 | 2 | 95 | 47.50 |
| ALC117 | WI | 67 | 295 | 6 | 936 | 44553 | 47.60 |
| LAX076 | WI | 68 | 1153 | 19 | 1374 | 66317 | 48.27 |
| SCF024 | WI | 60 | 177 | 10 | 247 | 12078 | 48.90 |
| RCD022 | WI | 66 | 101 | 3 | 3 | 147 | 49.00 |
| PHL031 | WI | 62 | 990 | 34 | 321 | 16131 | 50.25 |
| RCD023 | WI | 66 | 887 | 27 | 2373 | 119458 | 50.34 |
| SHW021 | WI | 65 | 262 | 15 | 503 | 25718 | 51.13 |
| MAF061 | WI | 68 | 269 | 3 | 35 | 1810 | 51.71 |
| WBN021 | WI | 62 | 831 | 4 | 949 | 49331 | 51.98 |
| LPA001 | WI | 62 | 3 | 1 | 3 | 156 | 52.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| | Grand | Total | 280145 | | 30[illegible] | 396[illegible]268 | [illegible] |
| MLS021 | WI | 67 | 514 | 16 | 620 | 32900 | 53.06 |
| OSC022 | WI | 60 | 724 | 14 | 92 | 4965 | 53.97 |
| EGP022 | WI | 65 | 291 | 23 | 723 | 39160 | 54.16 |
| HAF001 | WI | 67 | 108 | 4 | 123 | 6670 | 54.23 |
| TRX033 | WI | 65 | 341 | 4 | 419 | 23021 | 54.94 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 165 | 55.00 |
| WBN022 | WI | 62 | 435 | 10 | 566 | 31901 | 56.36 |
| HLA062 | WI | 68 | 1417 | 21 | 1748 | 100218 | 57.33 |
| KIN081 | WI | 60 | 361 | 21 | 1104 | 64367 | 58.30 |
| ELS032 | WI | 65 | 1168 | 11 | 246 | 14356 | 58.36 |
| SXF021 | WI | 63 | 203 | 7 | 443 | 25942 | 58.56 |
| HUR021 | WI | 63 | 291 | 8 | 296 | 17341 | 58.58 |
| LAX075 | WI | 68 | 1601 | 22 | 3781 | 221992 | 58.71 |
| WSM091 | WI | 67 | 1948 | 50 | 2930 | 172509 | 58.88 |
| MAD071 | WI | 65 | 733 | 16 | 149 | 8776 | 58.90 |
| SCF025 | WI | 60 | 949 | 19 | 154 | 9092 | 59.04 |
| ALC118 | WI | 67 | 324 | 19 | 381 | 22550 | 59.19 |
| OLU021 | WI | 62 | 90 | 4 | 97 | 5833 | 60.13 |
| FEN072 | WI | 68 | 847 | 17 | 142 | 8656 | 60.96 |
| PTW001 | WI | 62 | 302 | 10 | 342 | 20918 | 61.16 |
| BEA415 | WI | 60 | 377 | 9 | 301 | 18508 | 61.49 |
| CRN001 | WI | 62 | 117 | 2 | 138 | 8556 | 62.00 |
| MEN022 | WI | 66 | 1527 | 33 | 850 | 52945 | 62.29 |
| MNR022 | WI | 62 | 109 | 5 | 132 | 8229 | 62.34 |
| HYD032 | WI | 65 | 2398 | 64 | 6409 | 410968 | 64.12 |
| LON062 | WI | 65 | 455 | 8 | 130 | 8377 | 64.44 |
| GVA021 | WI | 67 | 309 | 16 | 120 | 7869 | 65.58 |
| GST021 | WI | 60 | 394 | 5 | 445 | 29311 | 65.87 |
| RSK021 | WI | 66 | 392 | 24 | 273 | 18052 | 66.12 |
| WTL062 | WI | 61 | 1127 | 22 | 296 | 19597 | 66.21 |
| HER001 | WI | 62 | 139 | 7 | 167 | 11086 | 66.38 |
| YLR082 | WI | 61 | 1062 | 35 | 935 | 62518 | 66.86 |
| CPM032 | WI | 67 | 617 | 2 | 6 | 414 | 69.00 |
| SST062 | WI | 62 | 586 | 9 | 1236 | 85400 | 69.09 |
| IHD021 | WI | 63 | 320 | 16 | 1231 | 85178 | 69.19 |
| TWN022 | WI | 63 | 673 | 25 | 1939 | 136907 | 70.61 |
| CEF081 | WI | 66 | 808 | 35 | 1005 | 71170 | 70.82 |
| BAV001 | WI | 62 | 731 | 6 | 31 | 2215 | 71.45 |
| LON061 | WI | 65 | 1293 | 22 | 95 | 6816 | 71.75 |
| RCL021 | WI | 61 | 51 | 1 | 14 | 1008 | 72.00 |
| RID082 | WI | 61 | 735 | 35 | 3652 | 263490 | 72.15 |
| TRX032 | WI | 65 | 1786 | 33 | 804 | 58103 | 72.27 |
| OGE021 | WI | 62 | 171 | 3 | 6 | 435 | 72.50 |
| TRX023 | WI | 65 | 0 | 5 | 58 | 4232 | 72.97 |
| OTC021 | WI | 65 | 460 | 19 | 773 | 56731 | 73.39 |
| SWC072 | WI | 68 | 1178 | 15 | 187 | 13891 | 74.28 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280145 | | [illegible] | [illegible] | [illegible] |
| CTA021 | WI | 62 | 313 | 14 | 468 | 35497 | 75.85 |
| ONA061 | WI | 68 | 2208 | 44 | 5296 | 401968 | 75.90 |
| BEA414 | WI | 60 | 820 | 29 | 551 | 41980 | 76.19 |
| COU061 | WI | 68 | 1561 | 13 | 92 | 7015 | 76.25 |
| SPA021 | WI | 67 | 175 | 8 | 108 | 8306 | 76.91 |
| RID081 | WI | 61 | 525 | 23 | 1270 | 98680 | 77.70 |
| MAF071 | WI | 68 | 1043 | 19 | 2355 | 184032 | 78.15 |
| HAL062 | WI | 65 | 1611 | 30 | 3927 | 307160 | 78.22 |
| FEN061 | WI | 68 | 1182 | 16 | 470 | 36779 | 78.25 |
| RKL021 | WI | 67 | 699 | 43 | 1935 | 154251 | 79.72 |
| WDM081 | WI | 61 | 746 | 38 | 1445 | 115378 | 79.85 |
| CPM033 | WI | 67 | 394 | 1 | 2 | 160 | 80.00 |
| OSC021 | WI | 60 | 1221 | 25 | 94 | 7673 | 81.63 |
| STN003 | WI | 64 | 381 | 4 | 362 | 29635 | 81.86 |
| COU069 | WI | 68 | 468 | 12 | 308 | 25293 | 82.12 |
| RBL021 | WI | 62 | 134 | 6 | 23 | 1902 | 82.70 |
| LAX077 | WI | 68 | 1098 | 27 | 3742 | 313154 | 83.69 |
| OPY081 | WI | 61 | 580 | 30 | 973 | 81655 | 83.92 |
| LON072 | WI | 65 | 666 | 5 | 134 | 11375 | 84.89 |
| HAL072 | WI | 65 | 1149 | 18 | 706 | 60024 | 85.02 |
| FAY001 | WI | 62 | 467 | 16 | 98 | 8351 | 85.21 |
| CON021 | WI | 61 | 310 | 21 | 882 | 75324 | 85.40 |
| MAD062 | WI | 65 | 930 | 12 | 37 | 3167 | 85.59 |
| SST061 | WI | 62 | 542 | 16 | 1454 | 124494 | 85.62 |
| WSM092 | WI | 67 | 1085 | 16 | 1608 | 138001 | 85.82 |
| DUR021 | WI | 66 | 482 | 5 | 48 | 4123 | 85.90 |
| STN002 | WI | 64 | 921 | 15 | 698 | 59963 | 85.91 |
| BLD021 | WI | 63 | 629 | 19 | 1246 | 107570 | 86.33 |
| STA081 | WI | 64 | 275 | 3 | 54 | 4662 | 86.33 |
| TRX022 | WI | 65 | 747 | 12 | 59 | 5104 | 86.51 |
| COU079 | WI | 68 | 546 | 3 | 94 | 8138 | 86.57 |
| CHF023 | WI | 65 | 0 | 15 | 956 | 82871 | 86.69 |
| TRP021 | WI | 64 | 499 | 35 | 200 | 17385 | 86.93 |
| CHF024 | WI | 65 | 1358 | 32 | 2343 | 203762 | 86.97 |
| MEN021 | WI | 66 | 872 | 25 | 307 | 26737 | 87.09 |
| COU077 | WI | 68 | 1765 | 30 | 577 | 50660 | 87.80 |
| OTC023 | WI | 65 | 1369 | 23 | 3209 | 286299 | 89.22 |
| MNR021 | WI | 62 | 92 | 12 | 310 | 27858 | 89.86 |
| AYR022 | WI | 63 | 872 | 38 | 1353 | 122176 | 90.30 |
| FIN021 | WI | 61 | 654 | 12 | 71 | 6601 | 92.97 |
| SPA032 | WI | 67 | 1775 | 40 | 283 | 26672 | 94.25 |
| COU062 | WI | 68 | 1371 | 22 | 404 | 38097 | 94.30 |
| ELS033 | WI | 65 | 1488 | 29 | 476 | 44911 | 94.35 |
| GLM021 | WI | 64 | 473 | 25 | 75 | 7104 | 94.72 |
| CUM081 | WI | 60 | 218 | 12 | 920 | 87272 | 94.86 |
| MAF063 | WI | 68 | 1541 | 17 | 407 | 38859 | 95.48 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 230145 | | 301211 | 39[illegible]268 | [illegible] |
| ELS034 | WI | 65 | 282 | 2 | 2 | 191 | 95.50 |
| STM022 | WI | 65 | 990 | 21 | 573 | 54883 | 95.78 |
| ARK081 | WI | 66 | 80 | 9 | 9 | 863 | 95.89 |
| LOY021 | WI | 64 | 958 | 18 | 103 | 9922 | 96.33 |
| HWY021 | WI | 62 | 3 | 2 | 2 | 193 | 96.50 |
| CHF021 | WI | 65 | 641 | 10 | 645 | 62858 | 97.45 |
| PEP021 | WI | 66 | 897 | 35 | 3033 | 295625 | 97.47 |
| IRB001 | WI | 63 | 149 | 1 | 8 | 784 | 98.00 |
| SVN001 | WI | 62 | 290 | 5 | 464 | 45642 | 98.37 |
| RMS001 | WI | 63 | 613 | 16 | 808 | 79513 | 98.41 |
| COU071 | WI | 68 | 1271 | 12 | 147 | 14478 | 98.49 |
| FEN073 | WI | 68 | 946 | 21 | 132 | 13087 | 99.14 |
| TWT081 | WI | 60 | 1097 | 38 | 1422 | 141176 | 99.28 |
| WHH022 | WI | 67 | 559 | 19 | 688 | 68652 | 99.78 |
| WTH001 | WI | 61 | 3 | 3 | 7 | 699 | 99.86 |
| CMR021 | WI | 61 | 1078 | 29 | 179 | 17990 | 100.50 |
| MEN032 | WI | 66 | 1779 | 40 | 1023 | 103590 | 101.26 |
| CUM082 | WI | 60 | 101 | 4 | 122 | 12522 | 102.64 |
| TRX021 | WI | 65 | 953 | 46 | 1558 | 160187 | 102.82 |
| MAF072 | WI | 68 | 631 | 5 | 7 | 720 | 102.86 |
| VIR002 | WI | 67 | 498 | 4 | 34 | 3498 | 102.88 |
| UPS001 | WI | 63 | 45 | 1 | 1 | 103 | 103.00 |
| VIR061 | WI | 67 | 1298 | 31 | 285 | 29409 | 103.19 |
| CHF022 | WI | 65 | 1562 | 18 | 1944 | 204835 | 105.37 |
| BYD001 | WI | 64 | 312 | 28 | 876 | 92598 | 105.71 |
| CVA021 | WI | 67 | 668 | 17 | 281 | 29879 | 106.33 |
| STA082 | WI | 64 | 701 | 15 | 452 | 48283 | 106.82 |
| VAV001 | WI | 62 | 282 | 7 | 7 | 748 | 106.86 |
| HLA071 | WI | 68 | 1205 | 12 | 63 | 6732 | 106.86 |
| STN001 | WI | 64 | 41 | 1 | 15 | 1605 | 107.00 |
| MAD072 | WI | 65 | 2103 | 42 | 532 | 57195 | 107.51 |
| MLN001 | WI | 62 | 585 | 21 | 736 | 79491 | 108.00 |
| OTC032 | WI | 65 | 1441 | 25 | 438 | 47576 | 108.62 |
| HAL073 | WI | 65 | 397 | 16 | 281 | 30746 | 109.42 |
| HWK021 | WI | 61 | 224 | 7 | 711 | 78095 | 109.84 |
| NAP021 | WI | 65 | 514 | 28 | 469 | 52053 | 110.99 |
| LAX063 | WI | 68 | 1484 | 12 | 140 | 15541 | 111.01 |
| OTC022 | WI | 65 | 1565 | 18 | 120 | 13486 | 112.38 |
| WHR021 | WI | 62 | 147 | 11 | 427 | 48343 | 113.22 |
| NLV031 | WI | 64 | 584 | 34 | 529 | 59905 | 113.24 |
| RBL022 | WI | 62 | 173 | 7 | 406 | 46758 | 115.17 |
| ELS022 | WI | 65 | 465 | 5 | 97 | 11182 | 115.28 |
| LON071 | WI | 65 | 654 | 11 | 275 | 31777 | 115.55 |
| AUG021 | WI | 65 | 309 | 18 | 55 | 6545 | 119.00 |
| ELS027 | WI | 65 | 2100 | 41 | 1304 | 157831 | 121.04 |
| FOL001 | WI | 65 | 253 | 18 | 809 | 98105 | 121.27 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 230145 | | 301281 | 39678258 | [illegible] |
| STM021 | WI | 65 | 520 | 10 | 51 | 6360 | 124.71 |
| RTL021 | WI | 63 | 1034 | 95 | 2944 | 367356 | 124.78 |
| MAF062 | WI | 68 | 46 | 1 | 9 | 1125 | 125.00 |
| SWC071 | WI | 68 | 255 | 5 | 43 | 5385 | 125.23 |
| PSI021 | WI | 63 | 1247 | 119 | 8943 | 1140866 | 127.57 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 384 | 128.00 |
| SUP021 | WI | 63 | 149 | 8 | 605 | 77476 | 128.06 |
| WND081 | WI | 66 | 270 | 13 | 1007 | 131372 | 130.46 |
| NLV021 | WI | 64 | 984 | 6 | 2127 | 279118 | 131.23 |
| CSH022 | WI | 67 | 425 | 19 | 30 | 3940 | 131.33 |
| BIR022 | WI | 61 | 565 | 23 | 1138 | 149599 | 131.46 |
| COC021 | WI | 66 | 397 | 13 | 1354 | 178162 | 131.58 |
| GAL021 | WI | 67 | 1238 | 48 | 2913 | 389952 | 133.87 |
| WHR023 | WI | 62 | 236 | 28 | 914 | 122671 | 134.21 |
| TRE021 | WI | 67 | 18 | 3 | 6 | 808 | 134.67 |
| LAX065 | WI | 68 | 953 | 11 | 76 | 10257 | 134.96 |
| PRE022 | WI | 60 | 663 | 8 | 49 | 6614 | 134.98 |
| LAX062 | WI | 68 | 1845 | 30 | 422 | 56984 | 135.03 |
| SQN001 | WI | 62 | 3 | 3 | 9 | 1218 | 135.33 |
| LYN021 | WI | 64 | 253 | 14 | 41 | 5559 | 135.59 |
| MRC022 | WI | 63 | 1507 | 1 | 186 | 25482 | 137.00 |
| AMY001 | WI | 60 | 563 | 8 | 1745 | 239957 | 137.51 |
| CLL081 | WI | 60 | 486 | 12 | 133 | 18290 | 137.52 |
| AUG022 | WI | 65 | 690 | 6 | 83 | 11518 | 138.77 |
| ELS021 | WI | 65 | 424 | 1 | 13 | 1807 | 139.00 |
| HAY081 | WI | 66 | 645 | 15 | 781 | 108861 | 139.39 |
| GST023 | WI | 60 | 565 | 13 | 142 | 20195 | 142.22 |
| JIM021 | WI | 65 | 360 | 14 | 154 | 21986 | 142.77 |
| LAX067 | WI | 68 | 787 | 5 | 56 | 8030 | 143.39 |
| CSH021 | WI | 67 | 122 | 6 | 6 | 863 | 143.83 |
| MAD061 | WI | 65 | 315 | 6 | 13 | 1879 | 144.54 |
| NAP022 | WI | 65 | 1398 | 19 | 340 | 49187 | 144.67 |
| PHL021 | WI | 62 | 734 | 14 | 778 | 112732 | 144.90 |
| WIB569 | WI | 65 | 1235 | 43 | 1991 | 289134 | 145.22 |
| NFO031 | WI | 62 | 1296 | 31 | 3076 | 447256 | 145.40 |
| CAD061 | WI | 65 | 49 | 7 | 109 | 15882 | 145.71 |
| SPE021 | WI | 64 | 1001 | 16 | 264 | 38939 | 147.50 |
| CHF033 | WI | 65 | 559 | 12 | 1361 | 201631 | 148.15 |
| ALM560 | WI | 66 | 15 | 1 | 1 | 149 | 149.00 |
| BKD021 | WI | 62 | 285 | 15 | 616 | 91988 | 149.33 |
| TCN081 | WI | 64 | 2048 | 57 | 1528 | 231137 | 151.27 |
| BLA023 | WI | 67 | 557 | 9 | 138 | 20888 | 151.36 |
| TRP022 | WI | 64 | 911 | 11 | 288 | 43630 | 151.49 |
| RBL023 | WI | 62 | 668 | 25 | 409 | 62552 | 152.94 |
| ELL022 | WI | 60 | 308 | 9 | 746 | 114379 | 153.32 |
| MCO021 | WI | 63 | 392 | 28 | 3212 | 494180 | 153.85 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280715 | | 301211 | 39[illegible]2568 | [illegible] |
| BFT061 | WI | 62 | 557 | 9 | 240 | 37368 | 155.70 |
| MER021 | WI | 67 | 754 | 12 | 2028 | 316064 | 155.85 |
| HAL063 | WI | 65 | 1476 | 25 | 3973 | 626449 | 157.68 |
| WHR022 | WI | 62 | 218 | 15 | 659 | 106393 | 161.45 |
| BYF021 | WI | 62 | 2131 | 82 | 6174 | 998681 | 161.76 |
| TRL082 | WI | 61 | 82 | 6 | 218 | 35699 | 163.76 |
| ELM022 | WI | 66 | 585 | 12 | 163 | 27290 | 167.42 |
| LYN022 | WI | 64 | 415 | 15 | 117 | 19747 | 168.78 |
| WSM081 | WI | 67 | 1199 | 38 | 2954 | 502682 | 170.17 |
| CVA022 | WI | 67 | 364 | 21 | 487 | 83087 | 170.61 |
| WLR091 | WI | 60 | 2216 | 37 | 437 | 75335 | 172.39 |
| CAT021 | WI | 67 | 484 | 34 | 1377 | 237490 | 172.47 |
| GMT021 | WI | 60 | 197 | 20 | 1192 | 208877 | 175.23 |
| RIC081 | WI | 60 | 1968 | 51 | 2072 | 363092 | 175.24 |
| MDR021 | WI | 66 | 148 | 13 | 153 | 26928 | 176.00 |
| RCL031 | WI | 61 | 1356 | 86 | 1766 | 314187 | 177.91 |
| BLA021 | WI | 67 | 671 | 23 | 893 | 159957 | 179.12 |
| PRE021 | WI | 60 | 1204 | 27 | 921 | 165954 | 180.19 |
| TRX031 | WI | 65 | 74 | 7 | 11 | 1987 | 180.64 |
| EWA001 | WI | 61 | 3 | 1 | 3 | 552 | 184.00 |
| GLN393 | WI | 60 | 598 | 48 | 1081 | 199335 | 184.40 |
| TRL081 | WI | 61 | 1093 | 55 | 2537 | 471142 | 185.71 |
| EGA021 | WI | 66 | 116 | 12 | 142 | 26809 | 188.80 |
| EGA022 | WI | 66 | 347 | 14 | 153 | 29005 | 189.58 |
| PRN021 | WI | 62 | 764 | 32 | 779 | 147955 | 189.93 |
| DRM021 | WI | 61 | 193 | 8 | 839 | 159643 | 190.28 |
| ELL021 | WI | 60 | 1027 | 24 | 1568 | 306204 | 195.28 |
| BIR021 | WI | 61 | 903 | 54 | 1745 | 343887 | 197.07 |
| RCD024 | WI | 66 | 380 | 13 | 417 | 82213 | 197.15 |
| DUR022 | WI | 66 | 1010 | 31 | 331 | 67021 | 202.48 |
| HWD021 | WI | 61 | 531 | 14 | 175 | 35483 | 202.76 |
| SND021 | WI | 61 | 2491 | 178 | 13619 | 2763617 | 202.92 |
| ELM021 | WI | 66 | 218 | 15 | 261 | 53259 | 204.06 |
| SWC061 | WI | 68 | 353 | 4 | 4 | 819 | 204.75 |
| MCR021 | WI | 63 | 1668 | 95 | 4331 | 891450 | 205.83 |
| MCO001 | WI | 63 | 201 | 4 | 8 | 1648 | 206.00 |
| ELK001 | WI | 65 | 403 | 12 | 53 | 11062 | 208.72 |
| CTS021 | WI | 64 | 718 | 17 | 1064 | 224040 | 210.56 |
| GDN021 | WI | 62 | 418 | 15 | 1342 | 284870 | 212.27 |
| BNT021 | WI | 62 | 466 | 24 | 1264 | 269263 | 213.02 |
| COU068 | WI | 68 | 1874 | 30 | 696 | 150967 | 216.91 |
| BAY021 | WI | 60 | 793 | 37 | 1166 | 255428 | 219.06 |
| POK062 | WI | 61 | 877 | 21 | 136 | 30318 | 222.93 |
| ETK021 | WI | 67 | 335 | 16 | 156 | 34823 | 223.22 |
| TCN091 | WI | 64 | 941 | 48 | 779 | 174274 | 223.72 |
| FLC097 | WI | 65 | 605 | 6 | 34 | 7685 | 226.03 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | CAIDI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 230145 | | 301211 | 39676258 | [illegible] |
| POK061 | WI | 61 | 782 | 20 | 1233 | 278842 | 226.15 |
| ARK082 | WI | 66 | 601 | 16 | 200 | 45253 | 226.27 |
| WHH023 | WI | 67 | 745 | 12 | 1312 | 300305 | 228.89 |
| WLR092 | WI | 60 | 3734 | 68 | 13198 | 3024007 | 229.13 |
| GEN197 | WI | 68 | 760 | 11 | 1386 | 318974 | 230.14 |
| MSE021 | WI | 62 | 29 | 7 | 160 | 37246 | 232.79 |
| OTC031 | WI | 65 | 1697 | 42 | 561 | 130825 | 233.20 |
| TAD021 | WI | 61 | 335 | 12 | 474 | 110836 | 233.83 |
| CAB022 | WI | 61 | 468 | 33 | 2710 | 637365 | 235.19 |
| LKC081 | WI | 60 | 1221 | 40 | 1295 | 322356 | 248.92 |
| RTL022 | WI | 63 | 936 | 76 | 1998 | 502965 | 251.73 |
| AMC001 | WI | 62 | 3 | 2 | 6 | 1521 | 253.50 |
| FIN022 | WI | 61 | 1917 | 148 | 6770 | 1716828 | 253.59 |
| WLR081 | WI | 60 | 604 | 23 | 293 | 74872 | 255.54 |
| OWN021 | WI | 64 | 1229 | 35 | 3399 | 873486 | 256.98 |
| HWD022 | WI | 61 | 658 | 28 | 493 | 129301 | 262.27 |
| NLV032 | WI | 64 | 536 | 16 | 235 | 61714 | 262.61 |
| GRV021 | WI | 62 | 106 | 4 | 212 | 58551 | 276.18 |
| FEN062 | WI | 68 | 483 | 3 | 21 | 5805 | 276.43 |
| RVW021 | WI | 65 | 81 | 1 | 15 | 4185 | 279.00 |
| EGP021 | WI | 65 | 2078 | 61 | 968 | 271166 | 280.13 |
| CAB021 | WI | 61 | 470 | 38 | 2415 | 681575 | 282.23 |
| NFO021 | WI | 62 | 1051 | 50 | 2341 | 666397 | 284.66 |
| WLR082 | WI | 60 | 2160 | 49 | 4269 | 1262572 | 295.75 |
| WDB001 | WI | 63 | 7 | 5 | 5 | 1542 | 308.40 |
| NEL021 | WI | 66 | 245 | 1 | 1 | 314 | 314.00 |
| GEN198 | WI | 68 | 268 | 6 | 1088 | 344389 | 316.53 |
| LUK021 | WI | 60 | 1017 | 27 | 1556 | 514081 | 330.39 |
| ALM559 | WI | 66 | 508 | 8 | 103 | 35700 | 346.60 |
| HYD031 | WI | 65 | 56 | 2 | 2 | 724 | 362.00 |
| TUR022 | WI | 60 | 341 | 11 | 67 | 24446 | 364.87 |
| ELS031 | WI | 65 | 743 | 7 | 431 | 161710 | 375.20 |
| LOY022 | WI | 64 | 748 | 14 | 702 | 264160 | 376.30 |
| WTL061 | WI | 61 | 1393 | 13 | 64 | 27629 | 431.70 |
| AMC002 | WI | 62 | 3 | 1 | 3 | 1365 | 455.00 |
| LKH010 | WI | 64 | 3 | 2 | 6 | 2754 | 459.00 |
| OPK011 | WI | 60 | 9 | 1 | 1 | 800 | 800.00 |

# *Year 2000*
# *SAIDI*

## *With Storms*

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 280145 | | 30[illegible] | 39[illegible] | [illegible] |
| OSC031 | WI | 60 | 17 | 0 | 0 | 0 | 0.00 |
| RIC082 | WI | 60 | 25 | 0 | 0 | 0 | 0.00 |
| BMU021 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| CAB023 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| CFO001 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 |
| LDP001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| RCL029 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| RCL039 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| SLA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| SPN001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| THA001 | WI | 61 | 0 | 0 | 0 | 0 | 0.00 |
| YLR081 | WI | 61 | 3 | 0 | 0 | 0 | 0.00 |
| FLB010 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| GAS62I | WI | 62 | 0 | 0 | 0 | 0 | 0.00 |
| GAS62S | WI | 62 | 4 | 0 | 0 | 0 | 0.00 |
| INO001 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| PHL032 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| TST001 | WI | 62 | 300 | 0 | 0 | 0 | 0.00 |
| WBI021 | WI | 62 | 3 | 0 | 0 | 0 | 0.00 |
| ALN001 | WI | 63 | 6 | 0 | 0 | 0 | 0.00 |
| BRA001 | WI | 63 | 1 | 0 | 0 | 0 | 0.00 |
| GAS63E | WI | 63 | 136 | 0 | 0 | 0 | 0.00 |
| GAS63W | WI | 63 | 404 | 0 | 0 | 0 | 0.00 |
| IRP001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| IRP002 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 |
| IRW001 | WI | 63 | 352 | 0 | 0 | 0 | 0.00 |
| IRW004 | WI | 63 | 0 | 0 | 0 | 0 | 0.00 |
| MID001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| MRC021 | WI | 63 | 111 | 0 | 0 | 0 | 0.00 |
| OJB021 | WI | 63 | 5 | 0 | 0 | 0 | 0.00 |
| SAX001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| WAF001 | WI | 63 | 3 | 0 | 0 | 0 | 0.00 |
| LKH020 | WI | 64 | 3 | 0 | 0 | 0 | 0.00 |
| MFN021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| MFS021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| MFW021 | WI | 64 | 0 | 0 | 0 | 0 | 0.00 |
| BLR020 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CAD001 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CHF023 | WI | 65 | 0 | 15 | 956 | 82871 | 0.00 |
| CHF032 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| CHF034 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| COR197 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| COR198 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| ELS023 | WI | 65 | 15 | 0 | 0 | 0 | 0.00 |
| ELS024 | WI | 65 | 97 | 0 | 0 | 0 | 0.00 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 280145 | | 301211 | 396[illegible]258 | [illegible] |
| GAS651 | WI | 65 | 2 | 0 | 0 | 0 | 0.00 |
| HYD021 | WI | 65 | 22 | 0 | 0 | 0 | 0.00 |
| HYD022 | WI | 65 | 63 | 0 | 0 | 0 | 0.00 |
| JEF211 | WI | 65 | 87 | 0 | 0 | 0 | 0.00 |
| JEF221 | WI | 65 | 5 | 0 | 0 | 0 | 0.00 |
| LON063 | WI | 65 | 180 | 0 | 0 | 0 | 0.00 |
| PRS565 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| STE471 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| STE472 | WI | 65 | 3 | 0 | 0 | 0 | 0.00 |
| SUM211 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| SUM212 | WI | 65 | 0 | 0 | 0 | 0 | 0.00 |
| TRX023 | WI | 65 | 0 | 5 | 58 | 4232 | 0.00 |
| USR533 | WI | 65 | 6 | 0 | 0 | 0 | 0.00 |
| USR534 | WI | 65 | 9 | 0 | 0 | 0 | 0.00 |
| EGA023 | WI | 66 | 0 | 0 | 0 | 0 | 0.00 |
| MEN031 | WI | 66 | 25 | 0 | 0 | 0 | 0.00 |
| RCD031 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 |
| RCD032 | WI | 66 | 6 | 0 | 0 | 0 | 0.00 |
| RCD033 | WI | 66 | 3 | 0 | 0 | 0 | 0.00 |
| ALC021 | WI | 67 | 222 | 0 | 0 | 0 | 0.00 |
| ALC022 | WI | 67 | 391 | 0 | 0 | 0 | 0.00 |
| BGR020 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| BLA022 | WI | 67 | 17 | 0 | 0 | 0 | 0.00 |
| CPM021 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| CPM022 | WI | 67 | 5 | 0 | 0 | 0 | 0.00 |
| CPM023 | WI | 67 | 6 | 0 | 0 | 0 | 0.00 |
| CPM024 | WI | 67 | 396 | 0 | 0 | 0 | 0.00 |
| CPM025 | WI | 67 | 225 | 0 | 0 | 0 | 0.00 |
| CPM026 | WI | 67 | 404 | 0 | 0 | 0 | 0.00 |
| CPM034 | WI | 67 | 50 | 0 | 0 | 0 | 0.00 |
| CPM035 | WI | 67 | 90 | 0 | 0 | 0 | 0.00 |
| MLS022 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| SPA033 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| TMU001 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| WBY171 | WI | 67 | 0 | 0 | 0 | 0 | 0.00 |
| FEN071 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| GAS681 | WI | 68 | 23 | 0 | 0 | 0 | 0.00 |
| GAS68A | WI | 68 | 2 | 0 | 0 | 0 | 0.00 |
| GAS68B | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| GAS68C | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| HLA063 | WI | 68 | 0 | 0 | 0 | 0 | 0.00 |
| SWC062 | WI | 68 | 12 | 0 | 0 | 0 | 0.00 |
| TUR021 | WI | 60 | 284 | 1 | 1 | 7 | 0.02 |
| CLL082 | WI | 60 | 397 | 1 | 1 | 41 | 0.10 |
| FEN063 | WI | 68 | 597 | 2 | 2 | 95 | 0.16 |
| SOE001 | WI | 62 | 500 | 3 | 3 | 109 | 0.22 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 280145 | | 301211 | 396 3258 | 1.2 38 |
| CPM033 | WI | 67 | 394 | 1 | 2 | 160 | 0.41 |
| MEN023 | WI | 66 | 343 | 4 | 4 | 185 | 0.54 |
| CPM032 | WI | 67 | 617 | 2 | 6 | 414 | 0.67 |
| ELS034 | WI | 65 | 282 | 2 | 2 | 191 | 0.68 |
| MAF072 | WI | 68 | 631 | 5 | 7 | 720 | 1.14 |
| NEL021 | WI | 66 | 245 | 1 | 1 | 314 | 1.28 |
| RCD022 | WI | 66 | 101 | 3 | 3 | 147 | 1.46 |
| COU078 | WI | 68 | 1211 | 9 | 72 | 2346 | 1.94 |
| UPS001 | WI | 63 | 45 | 1 | 1 | 103 | 2.29 |
| SWC061 | WI | 68 | 353 | 4 | 4 | 819 | 2.32 |
| OGE021 | WI | 62 | 171 | 3 | 6 | 435 | 2.54 |
| VAV001 | WI | 62 | 282 | 7 | 7 | 748 | 2.65 |
| BAV001 | WI | 62 | 731 | 6 | 31 | 2215 | 3.03 |
| MAD062 | WI | 65 | 930 | 12 | 37 | 3167 | 3.41 |
| ELS021 | WI | 65 | 424 | 1 | 13 | 1807 | 4.26 |
| COU061 | WI | 68 | 1561 | 13 | 92 | 7015 | 4.49 |
| IRB001 | WI | 63 | 149 | 1 | 8 | 784 | 5.26 |
| LON061 | WI | 65 | 1293 | 22 | 95 | 6816 | 5.27 |
| HLA071 | WI | 68 | 1205 | 12 | 63 | 6732 | 5.59 |
| MAD061 | WI | 65 | 315 | 6 | 13 | 1879 | 5.97 |
| PMP001 | WI | 61 | 6 | 1 | 6 | 36 | 6.00 |
| LUP001 | WI | 63 | 3 | 1 | 3 | 18 | 6.00 |
| OSC021 | WI | 60 | 1221 | 25 | 94 | 7673 | 6.28 |
| MAF061 | WI | 68 | 269 | 3 | 35 | 1810 | 6.73 |
| TRX022 | WI | 65 | 747 | 12 | 59 | 5104 | 6.83 |
| OSC022 | WI | 60 | 724 | 14 | 92 | 4965 | 6.86 |
| GLA021 | WI | 63 | 75 | 2 | 81 | 522 | 6.96 |
| VIR002 | WI | 67 | 498 | 4 | 34 | 3498 | 7.02 |
| CSH021 | WI | 67 | 122 | 6 | 6 | 863 | 7.07 |
| PRS563 | WI | 65 | 3 | 1 | 1 | 24 | 8.00 |
| MCO001 | WI | 63 | 201 | 4 | 8 | 1648 | 8.20 |
| DUR021 | WI | 66 | 482 | 5 | 48 | 4123 | 8.55 |
| OTC022 | WI | 65 | 1565 | 18 | 120 | 13486 | 8.62 |
| CSH022 | WI | 67 | 425 | 19 | 30 | 3940 | 9.27 |
| SCF025 | WI | 60 | 949 | 19 | 154 | 9092 | 9.58 |
| ALM560 | WI | 66 | 15 | 1 | 1 | 149 | 9.93 |
| PRE022 | WI | 60 | 663 | 8 | 49 | 6614 | 9.98 |
| FIN021 | WI | 61 | 654 | 12 | 71 | 6601 | 10.09 |
| LAX067 | WI | 68 | 787 | 5 | 56 | 8030 | 10.20 |
| FEN072 | WI | 68 | 847 | 17 | 142 | 8656 | 10.22 |
| LOY021 | WI | 64 | 958 | 18 | 103 | 9922 | 10.36 |
| LAX063 | WI | 68 | 1484 | 12 | 140 | 15541 | 10.47 |
| LAX065 | WI | 68 | 953 | 11 | 76 | 10257 | 10.76 |
| ARK081 | WI | 66 | 80 | 9 | 9 | 863 | 10.79 |
| BFT062 | WI | 62 | 424 | 3 | 130 | 4672 | 11.02 |
| COU071 | WI | 68 | 1271 | 12 | 147 | 14478 | 11.39 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 230145 | | 301211 | 39[illegible]8258 | [illegible] |
| SWC072 | WI | 68 | 1178 | 15 | 187 | 13891 | 11.79 |
| MAD071 | WI | 65 | 733 | 16 | 149 | 8776 | 11.97 |
| FEN062 | WI | 68 | 483 | 3 | 21 | 5805 | 12.02 |
| GER001 | WI | 63 | 435 | 6 | 309 | 5261 | 12.09 |
| STM021 | WI | 65 | 520 | 10 | 51 | 6360 | 12.23 |
| ELS032 | WI | 65 | 1168 | 11 | 246 | 14356 | 12.29 |
| FLC097 | WI | 65 | 605 | 6 | 34 | 7685 | 12.70 |
| HYD031 | WI | 65 | 56 | 2 | 2 | 724 | 12.93 |
| FEN073 | WI | 68 | 946 | 21 | 132 | 13087 | 13.83 |
| RBL021 | WI | 62 | 134 | 6 | 23 | 1902 | 14.19 |
| COU079 | WI | 68 | 546 | 3 | 94 | 8138 | 14.90 |
| GLM021 | WI | 64 | 473 | 25 | 75 | 7104 | 15.02 |
| SPA032 | WI | 67 | 1775 | 40 | 283 | 26672 | 15.03 |
| PHL031 | WI | 62 | 990 | 34 | 321 | 16131 | 16.29 |
| CMR021 | WI | 61 | 1078 | 29 | 179 | 17990 | 16.69 |
| AUG022 | WI | 65 | 690 | 6 | 83 | 11518 | 16.69 |
| MRC022 | WI | 63 | 1507 | 1 | 186 | 25482 | 16.91 |
| STA081 | WI | 64 | 275 | 3 | 54 | 4662 | 16.95 |
| LON072 | WI | 65 | 666 | 5 | 134 | 11375 | 17.08 |
| WTL062 | WI | 61 | 1127 | 22 | 296 | 19597 | 17.39 |
| FAY001 | WI | 62 | 467 | 16 | 98 | 8351 | 17.88 |
| MNT001 | WI | 63 | 823 | 10 | 1249 | 14849 | 18.04 |
| LON062 | WI | 65 | 455 | 8 | 130 | 8377 | 18.41 |
| RCL021 | WI | 61 | 51 | 1 | 14 | 1008 | 19.76 |
| WTL061 | WI | 61 | 1393 | 13 | 64 | 27629 | 19.83 |
| SWC071 | WI | 68 | 255 | 5 | 43 | 5385 | 21.12 |
| AUG021 | WI | 65 | 309 | 18 | 55 | 6545 | 21.18 |
| LYN021 | WI | 64 | 253 | 14 | 41 | 5559 | 21.97 |
| AYR021 | WI | 63 | 812 | 12 | 392 | 17925 | 22.08 |
| VIR061 | WI | 67 | 1298 | 31 | 285 | 29409 | 22.66 |
| ELS022 | WI | 65 | 465 | 5 | 97 | 11182 | 24.05 |
| MAF062 | WI | 68 | 46 | 1 | 9 | 1125 | 24.46 |
| STA083 | WI | 64 | 553 | 13 | 909 | 13754 | 24.87 |
| MAF063 | WI | 68 | 1541 | 17 | 407 | 38859 | 25.22 |
| GVA021 | WI | 67 | 309 | 16 | 120 | 7869 | 25.47 |
| CHF031 | WI | 65 | 420 | 12 | 246 | 11253 | 26.79 |
| TRX031 | WI | 65 | 74 | 7 | 11 | 1987 | 26.85 |
| MAD072 | WI | 65 | 2103 | 42 | 532 | 57195 | 27.20 |
| ELK001 | WI | 65 | 403 | 12 | 53 | 11062 | 27.45 |
| COU062 | WI | 68 | 1371 | 22 | 404 | 38097 | 27.79 |
| COU077 | WI | 68 | 1765 | 30 | 577 | 50660 | 28.70 |
| VIR003 | WI | 67 | 893 | 18 | 1169 | 26294 | 29.44 |
| NRA001 | WI | 63 | 470 | 5 | 1000 | 14176 | 30.16 |
| ELS033 | WI | 65 | 1488 | 29 | 476 | 44911 | 30.18 |
| MEN021 | WI | 66 | 872 | 25 | 307 | 26737 | 30.66 |
| LAX062 | WI | 68 | 1845 | 30 | 422 | 56984 | 30.89 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| | Grand | Total | 230145 | | 301211 | 39673258 | [illegible] |
| FEN061 | WI | 68 | 1182 | 16 | 470 | 36779 | 31.12 |
| TRX032 | WI | 65 | 1786 | 33 | 804 | 58103 | 32.53 |
| OTC032 | WI | 65 | 1441 | 25 | 438 | 47576 | 33.02 |
| HUR022 | WI | 63 | 666 | 12 | 972 | 22165 | 33.28 |
| WLR091 | WI | 60 | 2216 | 37 | 437 | 75335 | 34.00 |
| POK062 | WI | 61 | 877 | 21 | 136 | 30318 | 34.57 |
| MEN022 | WI | 66 | 1527 | 33 | 850 | 52945 | 34.67 |
| TRP021 | WI | 64 | 499 | 35 | 200 | 17385 | 34.84 |
| NAP022 | WI | 65 | 1398 | 19 | 340 | 49187 | 35.18 |
| SPA022 | WI | 67 | 1683 | 27 | 2132 | 59331 | 35.25 |
| GST023 | WI | 60 | 565 | 13 | 142 | 20195 | 35.74 |
| BLA023 | WI | 67 | 557 | 9 | 138 | 20888 | 37.50 |
| CLL081 | WI | 60 | 486 | 12 | 133 | 18290 | 37.63 |
| SPE021 | WI | 64 | 1001 | 16 | 264 | 38939 | 38.90 |
| STN001 | WI | 64 | 41 | 1 | 15 | 1605 | 39.15 |
| SPA031 | WI | 67 | 1560 | 16 | 1715 | 64764 | 41.52 |
| CVA021 | WI | 67 | 668 | 17 | 281 | 29879 | 44.73 |
| TRE021 | WI | 67 | 18 | 3 | 6 | 808 | 44.89 |
| RSK021 | WI | 66 | 392 | 24 | 273 | 18052 | 46.05 |
| ELM022 | WI | 66 | 585 | 12 | 163 | 27290 | 46.65 |
| SPA021 | WI | 67 | 175 | 8 | 108 | 8306 | 47.46 |
| LYN022 | WI | 64 | 415 | 15 | 117 | 19747 | 47.58 |
| TRP022 | WI | 64 | 911 | 11 | 288 | 43630 | 47.89 |
| LON071 | WI | 65 | 654 | 11 | 275 | 31777 | 48.59 |
| BEA415 | WI | 60 | 377 | 9 | 301 | 18508 | 49.09 |
| OPK010 | WI | 60 | 346 | 9 | 604 | 17680 | 51.10 |
| BEA414 | WI | 60 | 820 | 29 | 551 | 41980 | 51.20 |
| RVW021 | WI | 65 | 81 | 1 | 15 | 4185 | 51.67 |
| LPA001 | WI | 62 | 3 | 1 | 3 | 156 | 52.00 |
| HAL072 | WI | 65 | 1149 | 18 | 706 | 60024 | 52.24 |
| HAY082 | WI | 66 | 1685 | 23 | 2438 | 89302 | 53.00 |
| COU069 | WI | 68 | 468 | 12 | 308 | 25293 | 54.04 |
| MEY021 | WI | 63 | 3 | 1 | 3 | 165 | 55.00 |
| STM022 | WI | 65 | 990 | 21 | 573 | 54883 | 55.44 |
| IRW003 | WI | 63 | 530 | 11 | 1118 | 30420 | 57.40 |
| LAX076 | WI | 68 | 1153 | 19 | 1374 | 66317 | 57.52 |
| MEN032 | WI | 66 | 1779 | 40 | 1023 | 103590 | 58.23 |
| YLR082 | WI | 61 | 1062 | 35 | 935 | 62518 | 58.87 |
| TCN092 | WI | 64 | 2132 | 19 | 4618 | 125956 | 59.08 |
| WBN021 | WI | 62 | 831 | 4 | 949 | 49331 | 59.36 |
| HUR021 | WI | 63 | 291 | 8 | 296 | 17341 | 59.59 |
| HGN021 | WI | 63 | 6 | 2 | 12 | 366 | 61.00 |
| TLA001 | WI | 63 | 1 | 2 | 2 | 61 | 61.00 |
| JIM021 | WI | 65 | 360 | 14 | 154 | 21986 | 61.07 |
| ONA062 | WI | 68 | 939 | 20 | 1349 | 57473 | 61.21 |
| HAF001 | WI | 67 | 108 | 4 | 123 | 6670 | 61.76 |

# Xcel Energy North 2000 YE Feeder Reliability
## All Levels With Major Storms

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| Grand Total | | | 280145 | | 30[illegible] | 39[illegible]8258 | [illegible] |
| MLS021 | WI | 67 | 514 | 16 | 620 | 32900 | 64.01 |
| HWY021 | WI | 62 | 3 | 2 | 2 | 193 | 64.33 |
| RSH081 | WI | 60 | 1983 | 32 | 4018 | 127677 | 64.39 |
| OLU021 | WI | 62 | 90 | 4 | 97 | 5833 | 64.81 |
| STN002 | WI | 64 | 921 | 15 | 698 | 59963 | 65.11 |
| DUR022 | WI | 66 | 1010 | 31 | 331 | 67021 | 66.36 |
| LAX074 | WI | 68 | 631 | 18 | 1157 | 42105 | 66.73 |
| HWD021 | WI | 61 | 531 | 14 | 175 | 35483 | 66.82 |
| BFT061 | WI | 62 | 557 | 9 | 240 | 37368 | 67.09 |
| TRX033 | WI | 65 | 341 | 4 | 419 | 23021 | 67.51 |
| SCF024 | WI | 60 | 177 | 10 | 247 | 12078 | 68.24 |
| IRW005 | WI | 63 | 588 | 11 | 1089 | 40481 | 68.85 |
| STA082 | WI | 64 | 701 | 15 | 452 | 48283 | 68.88 |
| TWN021 | WI | 63 | 691 | 24 | 1584 | 47748 | 69.10 |
| PTW001 | WI | 62 | 302 | 10 | 342 | 20918 | 69.26 |
| ALC118 | WI | 67 | 324 | 19 | 381 | 22550 | 69.60 |
| ALM559 | WI | 66 | 508 | 8 | 103 | 35700 | 70.28 |
| HLA062 | WI | 68 | 1417 | 21 | 1748 | 100218 | 70.73 |
| BES022 | WI | 63 | 1082 | 15 | 2449 | 77014 | 71.18 |
| TUR022 | WI | 60 | 341 | 11 | 67 | 24446 | 71.69 |
| CRN001 | WI | 62 | 117 | 2 | 138 | 8556 | 73.13 |
| WBN022 | WI | 62 | 435 | 10 | 566 | 31901 | 73.34 |
| NSI001 | WI | 63 | 628 | 12 | 1421 | 46310 | 73.74 |
| GST021 | WI | 60 | 394 | 5 | 445 | 29311 | 74.39 |
| ELS027 | WI | 65 | 2100 | 41 | 1304 | 157831 | 75.16 |
| ARK082 | WI | 66 | 601 | 16 | 200 | 45253 | 75.30 |
| RSH092 | WI | 60 | 286 | 7 | 474 | 21553 | 75.36 |
| MNR022 | WI | 62 | 109 | 5 | 132 | 8229 | 75.50 |
| JKS021 | WI | 63 | 4 | 2 | 10 | 305 | 76.25 |
| OTC031 | WI | 65 | 1697 | 42 | 561 | 130825 | 77.09 |
| HAL073 | WI | 65 | 397 | 16 | 281 | 30746 | 77.45 |
| STN003 | WI | 64 | 381 | 4 | 362 | 29635 | 77.78 |
| HER001 | WI | 62 | 139 | 7 | 167 | 11086 | 79.76 |
| COU068 | WI | 68 | 1874 | 30 | 696 | 150967 | 80.56 |
| EGA022 | WI | 66 | 347 | 14 | 153 | 29005 | 83.59 |
| CEF081 | WI | 66 | 808 | 35 | 1005 | 71170 | 88.08 |
| WSM091 | WI | 67 | 1948 | 50 | 2930 | 172509 | 88.56 |
| OPK011 | WI | 60 | 9 | 1 | 1 | 800 | 88.89 |
| SPR021 | WI | 66 | 744 | 24 | 1707 | 68207 | 91.68 |
| RBL023 | WI | 62 | 668 | 25 | 409 | 62552 | 93.64 |
| RSH091 | WI | 60 | 943 | 27 | 2413 | 90771 | 96.26 |
| SLD021 | WI | 61 | 282 | 20 | 648 | 27241 | 96.60 |
| BES021 | WI | 63 | 1057 | 29 | 2688 | 102115 | 96.61 |
| CHF021 | WI | 65 | 641 | 10 | 645 | 62858 | 98.06 |
| SHW021 | WI | 65 | 262 | 15 | 503 | 25718 | 98.16 |
| NAP021 | WI | 65 | 514 | 28 | 469 | 52053 | 101.27 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 230145 | | [illegible] | [illegible] | [illegible] |
| NLV031 | WI | 64 | 584 | 34 | 529 | 59905 | 102.58 |
| ETK021 | WI | 67 | 335 | 16 | 156 | 34823 | 103.95 |
| TCN081 | WI | 64 | 2048 | 57 | 1528 | 231137 | 112.86 |
| CTA021 | WI | 62 | 313 | 14 | 468 | 35497 | 113.41 |
| NLV032 | WI | 64 | 536 | 16 | 235 | 61714 | 115.14 |
| CNR001 | WI | 63 | 3 | 2 | 12 | 366 | 122.00 |
| WHH022 | WI | 67 | 559 | 19 | 688 | 68652 | 122.81 |
| OTC021 | WI | 65 | 460 | 19 | 773 | 56731 | 123.33 |
| WLR081 | WI | 60 | 604 | 23 | 293 | 74872 | 123.96 |
| CUM082 | WI | 60 | 101 | 4 | 122 | 12522 | 123.98 |
| WSM092 | WI | 67 | 1085 | 16 | 1608 | 138001 | 127.19 |
| SXF021 | WI | 63 | 203 | 7 | 443 | 25942 | 127.79 |
| GOG001 | WI | 63 | 3 | 1 | 3 | 384 | 128.00 |
| TWT081 | WI | 60 | 1097 | 38 | 1422 | 141176 | 128.69 |
| RMS001 | WI | 63 | 613 | 16 | 808 | 79513 | 129.71 |
| EGP021 | WI | 65 | 2078 | 61 | 968 | 271166 | 130.49 |
| CHF022 | WI | 65 | 1562 | 18 | 1944 | 204835 | 131.14 |
| EGP022 | WI | 65 | 291 | 23 | 723 | 39160 | 134.57 |
| RCD023 | WI | 66 | 887 | 27 | 2373 | 119458 | 134.68 |
| MLN001 | WI | 62 | 585 | 21 | 736 | 79491 | 135.88 |
| PRE021 | WI | 60 | 1204 | 27 | 921 | 165954 | 137.84 |
| LAX075 | WI | 68 | 1601 | 22 | 3781 | 221992 | 138.66 |
| AYR022 | WI | 63 | 872 | 38 | 1353 | 122176 | 140.11 |
| OPY081 | WI | 61 | 580 | 30 | 973 | 81655 | 140.78 |
| SST062 | WI | 62 | 586 | 9 | 1236 | 85400 | 145.73 |
| CHF024 | WI | 65 | 1358 | 32 | 2343 | 203762 | 150.05 |
| ALC117 | WI | 67 | 295 | 6 | 936 | 44553 | 151.03 |
| PHL021 | WI | 62 | 734 | 14 | 778 | 112732 | 153.59 |
| WDM081 | WI | 61 | 746 | 38 | 1445 | 115378 | 154.66 |
| SVN001 | WI | 62 | 290 | 5 | 464 | 45642 | 157.39 |
| TRX021 | WI | 65 | 953 | 46 | 1558 | 160187 | 168.09 |
| HAY081 | WI | 66 | 645 | 15 | 781 | 108861 | 168.78 |
| IRW002 | WI | 63 | 561 | 11 | 2654 | 94933 | 169.22 |
| BLD021 | WI | 63 | 629 | 19 | 1246 | 107570 | 171.02 |
| HYD032 | WI | 65 | 2398 | 64 | 6409 | 410968 | 171.38 |
| MAF071 | WI | 68 | 1043 | 19 | 2355 | 184032 | 176.44 |
| KIN081 | WI | 60 | 361 | 21 | 1104 | 64367 | 178.30 |
| MDR021 | WI | 66 | 148 | 13 | 153 | 26928 | 181.95 |
| ONA061 | WI | 68 | 2208 | 44 | 5296 | 401968 | 182.05 |
| EWA001 | WI | 61 | 3 | 1 | 3 | 552 | 184.00 |
| RIC081 | WI | 60 | 1968 | 51 | 2072 | 363092 | 184.50 |
| TCN091 | WI | 64 | 941 | 48 | 779 | 174274 | 185.20 |
| RID081 | WI | 61 | 525 | 23 | 1270 | 98680 | 187.96 |
| HAL062 | WI | 65 | 1611 | 30 | 3927 | 307160 | 190.66 |
| PRN021 | WI | 62 | 764 | 32 | 779 | 147955 | 193.66 |
| HWD022 | WI | 61 | 658 | 28 | 493 | 129301 | 196.51 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | [illegible] | | [illegible] | [illegible] | [illegible] |
| TWN022 | WI | 63 | 673 | 25 | 1939 | 136907 | 203.43 |
| OTC023 | WI | 65 | 1369 | 23 | 3209 | 286299 | 209.13 |
| RCD024 | WI | 66 | 380 | 13 | 417 | 82213 | 216.35 |
| ELS031 | WI | 65 | 743 | 7 | 431 | 161710 | 217.64 |
| WDB001 | WI | 63 | 7 | 5 | 5 | 1542 | 220.29 |
| RKL021 | WI | 67 | 699 | 43 | 1935 | 154251 | 220.67 |
| CVA022 | WI | 67 | 364 | 21 | 487 | 83087 | 228.26 |
| SST061 | WI | 62 | 542 | 16 | 1454 | 124494 | 229.69 |
| EGA021 | WI | 66 | 116 | 12 | 142 | 26809 | 231.11 |
| RCL031 | WI | 61 | 1356 | 86 | 1766 | 314187 | 231.70 |
| WTH001 | WI | 61 | 3 | 3 | 7 | 699 | 233.00 |
| WIB569 | WI | 65 | 1235 | 43 | 1991 | 289134 | 234.12 |
| BLA021 | WI | 67 | 671 | 23 | 893 | 159957 | 238.39 |
| CON021 | WI | 61 | 310 | 21 | 882 | 75324 | 242.98 |
| ELM021 | WI | 66 | 218 | 15 | 261 | 53259 | 244.31 |
| LKC081 | WI | 60 | 1221 | 40 | 1295 | 322356 | 264.01 |
| BIR022 | WI | 61 | 565 | 23 | 1138 | 149599 | 264.78 |
| IHD021 | WI | 63 | 320 | 16 | 1231 | 85178 | 266.18 |
| RBL022 | WI | 62 | 173 | 7 | 406 | 46758 | 270.28 |
| NLV021 | WI | 64 | 984 | 6 | 2127 | 279118 | 283.66 |
| LAX077 | WI | 68 | 1098 | 27 | 3742 | 313154 | 285.20 |
| BYD001 | WI | 64 | 312 | 28 | 876 | 92598 | 296.79 |
| ELL021 | WI | 60 | 1027 | 24 | 1568 | 306204 | 298.15 |
| MNR021 | WI | 62 | 92 | 12 | 310 | 27858 | 302.80 |
| CTS021 | WI | 64 | 718 | 17 | 1064 | 224040 | 312.03 |
| GAL021 | WI | 67 | 1238 | 48 | 2913 | 389952 | 314.99 |
| BAY021 | WI | 60 | 793 | 37 | 1166 | 255428 | 322.10 |
| BKD021 | WI | 62 | 285 | 15 | 616 | 91988 | 322.76 |
| CAD061 | WI | 65 | 49 | 7 | 109 | 15882 | 324.12 |
| WHR021 | WI | 62 | 147 | 11 | 427 | 48343 | 328.86 |
| PEP021 | WI | 66 | 897 | 35 | 3033 | 295625 | 329.57 |
| TAD021 | WI | 61 | 335 | 12 | 474 | 110836 | 330.85 |
| GLN393 | WI | 60 | 598 | 48 | 1081 | 199335 | 333.34 |
| NFO031 | WI | 62 | 1296 | 31 | 3076 | 447256 | 345.10 |
| HWK021 | WI | 61 | 224 | 7 | 711 | 78095 | 348.64 |
| LOY022 | WI | 64 | 748 | 14 | 702 | 264160 | 353.16 |
| RTL021 | WI | 63 | 1034 | 95 | 2944 | 367356 | 355.28 |
| POK061 | WI | 61 | 782 | 20 | 1233 | 278842 | 356.58 |
| RID082 | WI | 61 | 735 | 35 | 3652 | 263490 | 358.49 |
| CHF033 | WI | 65 | 559 | 12 | 1361 | 201631 | 360.70 |
| ELL022 | WI | 60 | 308 | 9 | 746 | 114379 | 371.36 |
| BIR021 | WI | 61 | 903 | 54 | 1745 | 343887 | 380.83 |
| FOL001 | WI | 65 | 253 | 18 | 809 | 98105 | 387.77 |
| CUM081 | WI | 60 | 218 | 12 | 920 | 87272 | 400.33 |
| WHH023 | WI | 67 | 745 | 12 | 1312 | 300305 | 403.09 |
| SQN001 | WI | 62 | 3 | 3 | 9 | 1218 | 406.00 |

# *Xcel Energy North 2000 YE Feeder Reliability*
## *All Levels With Major Storms*

| Feeder | Reg | Div | Custs | # Outs | Cust Ints | Cust Mins | SAIDI |
|---|---|---|---|---|---|---|---|
| | Grand Total | | 230145 | | [illegible] | [illegible] | [illegible] |
| MER021 | WI | 67 | 754 | 12 | 2028 | 316064 | 419.18 |
| WSM081 | WI | 67 | 1199 | 38 | 2954 | 502682 | 419.25 |
| GEN197 | WI | 68 | 760 | 11 | 1386 | 318974 | 419.70 |
| HAL063 | WI | 65 | 1476 | 25 | 3973 | 626449 | 424.42 |
| AMY001 | WI | 60 | 563 | 8 | 1745 | 239957 | 426.21 |
| TRL081 | WI | 61 | 1093 | 55 | 2537 | 471142 | 431.05 |
| TRL082 | WI | 61 | 82 | 6 | 218 | 35699 | 435.35 |
| COC021 | WI | 66 | 397 | 13 | 1354 | 178162 | 448.77 |
| AMC002 | WI | 62 | 3 | 1 | 3 | 1365 | 455.00 |
| BYF021 | WI | 62 | 2131 | 82 | 6174 | 998681 | 468.64 |
| WND081 | WI | 66 | 270 | 13 | 1007 | 131372 | 486.56 |
| WHR022 | WI | 62 | 218 | 15 | 659 | 106393 | 488.04 |
| CAT021 | WI | 67 | 484 | 34 | 1377 | 237490 | 490.68 |
| LUK021 | WI | 60 | 1017 | 27 | 1556 | 514081 | 505.49 |
| AMC001 | WI | 62 | 3 | 2 | 6 | 1521 | 507.00 |
| WHR023 | WI | 62 | 236 | 28 | 914 | 122671 | 519.79 |
| SUP021 | WI | 63 | 149 | 8 | 605 | 77476 | 519.97 |
| MCR021 | WI | 63 | 1668 | 95 | 4331 | 891450 | 534.44 |
| RTL022 | WI | 63 | 936 | 76 | 1998 | 502965 | 537.36 |
| GRV021 | WI | 62 | 106 | 4 | 212 | 58551 | 552.37 |
| BNT021 | WI | 62 | 466 | 24 | 1264 | 269263 | 577.82 |
| WLR082 | WI | 60 | 2160 | 49 | 4269 | 1262572 | 584.52 |
| NFO021 | WI | 62 | 1051 | 50 | 2341 | 666397 | 634.06 |
| GDN021 | WI | 62 | 418 | 15 | 1342 | 284870 | 681.51 |
| OWN021 | WI | 64 | 1229 | 35 | 3399 | 873486 | 710.73 |
| WLR092 | WI | 60 | 3734 | 68 | 13198 | 3024007 | 809.86 |
| DRM021 | WI | 61 | 193 | 8 | 839 | 159643 | 827.17 |
| FIN022 | WI | 61 | 1917 | 148 | 6770 | 1716828 | 895.58 |
| PSI021 | WI | 63 | 1247 | 119 | 8943 | 1140866 | 914.89 |
| LKH010 | WI | 64 | 3 | 2 | 6 | 2754 | 918.00 |
| GMT021 | WI | 60 | 197 | 20 | 1192 | 208877 | 1060.29 |
| SND021 | WI | 61 | 2491 | 178 | 13619 | 2763617 | 1109.44 |
| MCO021 | WI | 63 | 392 | 28 | 3212 | 494180 | 1260.66 |
| MSE021 | WI | 62 | 29 | 7 | 160 | 37246 | 1284.34 |
| GEN198 | WI | 68 | 268 | 6 | 1088 | 344389 | 1285.03 |
| CAB022 | WI | 61 | 468 | 33 | 2710 | 637365 | 1361.89 |
| CAB021 | WI | 61 | 470 | 38 | 2415 | 681575 | 1450.16 |