



Control Number: 30613



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**Service Quality Report**  
**To The**  
**Public Utility Commission of Texas**  
**In Accordance With**  
**Substantive Rule §25.81**  
**2004 Reporting Year**

**Xcel Energy**

**Project 30613**

**000001**

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| System SAIFI           | Annual | Jan  | Feb  | March | April | May  | June | July | Aug  | Sept | Oct  | Nov  | Dec  |
|------------------------|--------|------|------|-------|-------|------|------|------|------|------|------|------|------|
| Forced<br>2004         | 0.51   | 0.03 | 0.04 | 0.03  | 0.02  | 0.05 | 0.07 | 0.03 | 0.05 | 0.03 | 0.02 | 0.11 | 0.04 |
| Scheduled<br>2004      | 0.02   | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Outside Causes<br>2004 | 0.33   | 0.05 | 0.02 | 0.03  | 0.01  | 0.02 | 0.06 | 0.02 | 0.01 | 0.04 | 0.03 | 0.05 | 0.00 |
| Major Events<br>2004   | 0.00   | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| System SAIDI           | Annual | Jan  | Feb  | March | April | May  | June | July | Aug  | Sept | Oct  | Nov   | Dec  |
|------------------------|--------|------|------|-------|-------|------|------|------|------|------|------|-------|------|
| Forced<br>2004         | 50.06  | 2.48 | 2.12 | 2.34  | 1.81  | 2.32 | 8.81 | 4.23 | 4.03 | 1.79 | 1.04 | 15.74 | 3.36 |
| Scheduled<br>2004      | 0.67   | 0.01 | 0.05 | 0.02  | 0.01  | 0.06 | 0.33 | 0.02 | 0.02 | 0.05 | 0.03 | 0.03  | 0.04 |
| Outside Causes<br>2004 | 19.98  | 1.79 | 1.01 | 1.78  | 0.42  | 0.92 | 4.42 | 2.10 | 2.47 | 1.24 | 0.62 | 3.22  | 0.00 |
| Major Events<br>2004   | 0.00   | 0.00 | 0.00 | 0.00  | 0.00  | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00  | 0.00 |

000003

# Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Fee

With More Than 10 Customers

**360**

Add or Delete Rows as Necessary

**Xcel Energy**

| 2004 SAIFI Ranking | 2003 SAIFI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIFI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 1                  | 171                | Coble                     | LV835                 | 10                  | 8.90             |
| 2                  | 277                | County Line               | CL110                 | 21                  | 7.05             |
| 3                  | 218                | Channing                  | 1564                  | 17                  | 5.71             |
| 4                  | 10                 | Herring                   | 1434                  | 1297                | 5.37             |
| 5                  | 181                | West Anton                | 3502                  | 688                 | 4.51             |
| 6                  | 54                 | Spearman Int              | 1512                  | 905                 | 4.18             |
| 7                  | 86                 | Channing                  | 1568                  | 25                  | 4.12             |
| 8                  | 47                 | Vega                      | 5170                  | 646                 | 3.74             |
| 9                  | 300                | Canyon West               | 7128                  | 3350                | 3.37             |
| 10                 | 204                | Barwise                   | IB140                 | 65                  | 3.28             |
| 11                 | 284                | Monroe                    | 6610                  | 517                 | 3.24             |
| 12                 | 3                  | Indiana                   | 7465                  | 35                  | 3.20             |
| 13                 | 314                | Canadian                  | 335                   | 182                 | 3.13             |
| 14                 | 24                 | Etter Rural               | 5410                  | 407                 | 3.07             |
| 15                 | 83                 | Pullman                   | 2A40                  | 101                 | 3.05             |
| 16                 | 137                | Dalhart                   | 1246                  | 1335                | 2.96             |
| 17                 | 175                | East Plant                | A110                  | 895                 | 2.84             |
| 18                 | 178                | Kress Rural               | KR120                 | 148                 | 2.74             |
| 19                 | 343                | Diekemper                 | DE110                 | 21                  | 2.67             |
| 20                 | 242                | Aiken Rural               | LA110                 | 112                 | 2.58             |
| 21                 | 51                 | Farmers                   | 5395                  | 665                 | 2.52             |
| 22                 | 207                | Hastings                  | 7074                  | 1673                | 2.52             |
| 23                 | 11                 | Dumas 19th Street         | 1498                  | 27                  | 2.48             |
| 24                 | 67                 | Mallet                    | LV120                 | 16                  | 2.38             |
| 25                 | 13                 | Russell                   | S280                  | 96                  | 2.31             |
| 26                 | 22                 | Moore Co                  | M060                  | 127                 | 2.29             |
| 27                 | 12                 | Boardman                  | S560                  | 112                 | 2.29             |
| 28                 | 124                | Hastings                  | 7086                  | 659                 | 2.29             |
| 29                 | 338                | Zavalla                   | LV790                 | 13                  | 2.23             |
| 30                 | 197                | Doud                      | 6480                  | 1377                | 2.23             |
| 31                 | 233                | Weatherly                 | 1354                  | 765                 | 2.16             |
| 32                 | 110                | Waterfield                | 2364                  | 361                 | 2.15             |
| 33                 | 5                  | Doss                      | 6660                  | 294                 | 2.15             |
| 34                 | 90                 | Allred                    | S180                  | 112                 | 2.14             |
| 35                 | 60                 | Indiana                   | 7480                  | 1861                | 2.14             |
| 36                 | 2                  | Bowers                    | 5090                  | 149                 | 2.13             |
| 37                 | 231                | Elwood                    | LV140                 | 70                  | 2.11             |
| 38                 | 14                 | Springlake                | SO140                 | 54                  | 2.07             |
| 39                 | 323                | Tuco                      | N404                  | 889                 | 2.06             |
| 40                 | 210                | Littlefield City          | LI630                 | 306                 | 2.06             |
| 41                 | 118                | Buffalo                   | 5165                  | 297                 | 2.04             |
| 42                 | 7                  | Sherman County            | 1452                  | 32                  | 2.03             |
| 43                 | 138                | Allred                    | S140                  | 53                  | 2.02             |

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIFI Ranking | 2003 SAIFI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIFI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 44                 | 81                 | Lynn                      | 6510                  | 316                 | 2.01             |
| 45                 | 85                 | Allen                     | L505                  | 111                 | 2.00             |
| 46                 | 73                 | Pacific                   | LV940                 | 72                  | 1.97             |
| 47                 | 44                 | Middleton                 | LV820                 | 54                  | 1.94             |
| 48                 | 19                 | Moore Co                  | M055                  | 33                  | 1.94             |
| 49                 | 317                | Hale Center               | HC610                 | 370                 | 1.93             |
| 50                 | 122                | Prentice                  | S875                  | 40                  | 1.93             |
| 51                 | 88                 | Zavalla                   | LV780                 | 23                  | 1.87             |
| 52                 | 117                | Riverview                 | R090                  | 29                  | 1.86             |
| 53                 | 114                | Carson County             | 7030                  | 82                  | 1.79             |
| 54                 | 16                 | Lehman                    | LV500                 | 207                 | 1.74             |
| 55                 | 40                 | Jaybee                    | S765                  | 37                  | 1.70             |
| 56                 | 185                | Cherry                    | 5C15                  | 1108                | 1.66             |
| 57                 | 105                | Riverview                 | R100                  | 429                 | 1.64             |
| 58                 | 143                | Moss                      | 6540                  | 315                 | 1.63             |
| 59                 | 170                | Planters                  | L710                  | 838                 | 1.62             |
| 60                 | 292                | Wade                      | 1420                  | 63                  | 1.60             |
| 61                 | 56                 | Waterfield                | 2368                  | 251                 | 1.60             |
| 62                 | 184                | Dimmitt South             | DI110                 | 312                 | 1.46             |
| 63                 | 227                | Ivory                     | L685                  | 806                 | 1.44             |
| 64                 | 28                 | Doss                      | S410                  | 159                 | 1.43             |
| 65                 | 223                | Lockney Rural             | LA140                 | 97                  | 1.37             |
| 66                 | 120                | Ivory                     | L680                  | 86                  | 1.34             |
| 67                 | 363                | Hart                      | HA110                 | 95                  | 1.29             |
| 68                 | 311                | Irick                     | IB110                 | 55                  | 1.29             |
| 69                 | 59                 | South Georgia             | 5B35                  | 1543                | 1.27             |
| 70                 | 336                | Lariat                    | MR110                 | 100                 | 1.24             |
| 71                 | 38                 | Exell                     | 1238                  | 158                 | 1.20             |
| 72                 | 158                | Carson County             | 7034                  | 97                  | 1.20             |
| 73                 | 359                | Slaton                    | 6690                  | 803                 | 1.19             |
| 74                 | 201                | Lockney Rural             | LA150                 | 86                  | 1.17             |
| 75                 | 76                 | Sunset                    | 5D35                  | 211                 | 1.17             |
| 76                 | 229                | Lawrence Park             | 5315                  | 705                 | 1.17             |
| 77                 | 153                | Roxana                    | 2076                  | 873                 | 1.16             |
| 78                 | 46                 | Manhattan                 | 7164                  | 1285                | 1.14             |
| 79                 | 151                | Dumas 19th Street         | 1371                  | 1015                | 1.13             |
| 80                 | 183                | Levelland City            | LV180                 | 2658                | 1.13             |
| 81                 | 196                | Boardman                  | S430                  | 48                  | 1.13             |
| 82                 | 238                | Plainview West            | P110                  | 1026                | 1.12             |
| 83                 | 304                | Plainview East            | P150                  | 181                 | 1.11             |
| 84                 | 26                 | Plant X                   | X310                  | 1034                | 1.10             |
| 85                 | 6                  | Dalhart                   | 1664                  | 61                  | 1.10             |
| 86                 | 250                | Soncy                     | 7024                  | 2101                | 1.10             |
| 87                 | 72                 | Lockney Rural             | 3417                  | 1111                | 1.10             |
| 88                 | 91                 | Littlefield South         | LI120                 | 63                  | 1.10             |
| 89                 | 4                  | Parmer County             | 2465                  | 22                  | 1.09             |
| 90                 | 202                | Soncy                     | 7020                  | 860                 | 1.08             |
| 91                 | 208                | Herring                   | 1438                  | 155                 | 1.08             |

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIFI Ranking | 2003 SAIFI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIFI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 92                 | 358                | Fain                      | 1105                  | 28                  | 1.07             |
| 93                 | 37                 | Tascosa                   | 1218                  | 174                 | 1.07             |
| 94                 | 278                | Riverview                 | R095                  | 730                 | 1.06             |
| 95                 | 353                | Perryton                  | 1535                  | 879                 | 1.06             |
| 96                 | 263                | Allen                     | L520                  | 746                 | 1.05             |
| 97                 | 228                | Plainview South           | P230                  | 622                 | 1.05             |
| 98                 | 41                 | Conway                    | 5005                  | 1834                | 1.05             |
| 99                 | 92                 | Dumas 19th Street         | 1470                  | 2623                | 1.05             |
| 100                | 282                | Allen                     | L510                  | 708                 | 1.04             |
| 101                | 286                | Plainview City            | P690                  | 210                 | 1.04             |
| 102                | 326                | Slaton                    | SL150                 | 1055                | 1.03             |
| 103                | 248                | Plainview South           | P220                  | 1519                | 1.03             |
| 104                | 276                | Riley                     | S500                  | 42                  | 1.02             |
| 105                | 123                | Highland Park             | 5335                  | 810                 | 1.02             |
| 106                | 107                | Stanton                   | L540                  | 527                 | 1.02             |
| 107                | 200                | Sudan Rural               | SR120                 | 558                 | 1.01             |
| 108                | 322                | Hendrick                  | 6685                  | 1429                | 1.00             |
| 109                | 355                | Perryton                  | 1235                  | 1340                | 1.00             |
| 110                | 134                | Lockney Rural             | 3421                  | 17                  | 1.00             |
| 111                | 345                | Soncy                     | 7116                  | 66                  | 1.00             |
| 112                | 127                | Burnett                   | 1394                  | 129                 | 0.97             |
| 113                | 89                 | Plainview North           | P270                  | 142                 | 0.95             |
| 114                | 142                | Springlake                | SO150                 | 73                  | 0.95             |
| 115                | 126                | Lewters                   | L470                  | 39                  | 0.90             |
| 116                | 273                | Whitharral                | LV710                 | 120                 | 0.89             |
| 117                | 168                | Plainview East            | P180                  | 110                 | 0.89             |
| 118                | 186                | Conway                    | 5010                  | 976                 | 0.88             |
| 119                | 43                 | Bowers                    | 2053                  | 52                  | 0.87             |
| 120                | 154                | Irick                     | IB120                 | 20                  | 0.85             |
| 121                | 331                | Olton                     | SO170                 | 633                 | 0.84             |
| 122                | 195                | Kite                      | 5B80                  | 851                 | 0.83             |
| 123                | 58                 | Bush                      | 5205                  | 1277                | 0.76             |
| 124                | 102                | Estacado                  | 5D15                  | 1361                | 0.75             |
| 125                | 103                | Doss                      | 6670                  | 1932                | 0.75             |
| 126                | 93                 | McLean Rural              | 5300                  | 859                 | 0.75             |
| 127                | 150                | Canyon East               | 5190                  | 1162                | 0.74             |
| 128                | 247                | Kress Rural               | KR140                 | 147                 | 0.73             |
| 129                | 206                | Plainview West            | P120                  | 1756                | 0.73             |
| 130                | 230                | Brisco                    | 3457                  | 10                  | 0.70             |
| 131                | 8                  | Springcreek               | 1320                  | 174                 | 0.68             |
| 132                | 125                | Flanagan                  | S550                  | 40                  | 0.68             |
| 133                | 313                | Stanton                   | 6430                  | 946                 | 0.65             |
| 134                | 115                | Roxana                    | 2334                  | 207                 | 0.65             |
| 135                | 133                | Wildorado                 | 2014                  | 189                 | 0.62             |
| 136                | 130                | East Plant                | A126                  | 609                 | 0.61             |
| 137                | 240                | Muleshoe West             | MR130                 | 98                  | 0.61             |
| 138                | 106                | Dalhart                   | 1298                  | 1021                | 0.60             |
| 139                | 45                 | Yellowhouse               | LV900                 | 30                  | 0.57             |

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIFI Ranking | 2003 SAIFI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIFI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 140                | 279                | Murphy                    | 7535                  | 1572                | 0.55             |
| 141                | 255                | Dawn                      | 5A35                  | 323                 | 0.53             |
| 142                | 146                | Fritch                    | 1360                  | 826                 | 0.53             |
| 143                | 96                 | Manhattan                 | 5135                  | 655                 | 0.50             |
| 144                | 316                | Allen                     | L740                  | 751                 | 0.48             |
| 145                | 237                | West Borger               | 1A15                  | 1575                | 0.48             |
| 146                | 31                 | Kingsmill                 | 5110                  | 489                 | 0.47             |
| 147                | 216                | Kress Rural               | KR110                 | 369                 | 0.47             |
| 148                | 34                 | Carlisle                  | 6650                  | 1240                | 0.46             |
| 149                | 87                 | Bowers                    | 2057                  | 541                 | 0.46             |
| 150                | 219                | Hastings                  | 7082                  | 1344                | 0.45             |
| 151                | 71                 | Arrowhead                 | 5D80                  | 225                 | 0.44             |
| 152                | 61                 | Dimmitt East              | DI180                 | 390                 | 0.43             |
| 153                | 49                 | Muleshoe East             | MU630                 | 296                 | 0.42             |
| 154                | 97                 | Lyons                     | 5C25                  | 677                 | 0.41             |
| 155                | 64                 | Friona Rural              | 2436                  | 1621                | 0.40             |
| 156                | 15                 | Tokio                     | S800                  | 103                 | 0.40             |
| 157                | 159                | Amherst                   | AM610                 | 41                  | 0.39             |
| 158                | 129                | Denver City East          | S100                  | 685                 | 0.39             |
| 159                | 176                | Littlefield City          | LI620                 | 166                 | 0.37             |
| 160                | 121                | Westridge                 | P460                  | 457                 | 0.37             |
| 161                | 152                | South Georgia             | 2338                  | 3292                | 0.37             |
| 162                | 140                | 34th Street               | 5B85                  | 1717                | 0.36             |
| 163                | 254                | Muleshoe West             | MR140                 | 688                 | 0.34             |
| 164                | 179                | Happy                     | 7040                  | 304                 | 0.32             |
| 165                | 162                | Cherry                    | 5C10                  | 835                 | 0.31             |
| 166                | 199                | Doss                      | S400                  | 1275                | 0.31             |
| 167                | 99                 | Grave                     | 7178                  | 1524                | 0.31             |
| 168                | 148                | Whitaker                  | 5260                  | 1362                | 0.31             |
| 169                | 265                | Soncy                     | 5130                  | 1178                | 0.31             |
| 170                | 244                | Centre Street             | 5310                  | 1356                | 0.31             |
| 171                | 241                | Allen                     | L750                  | 521                 | 0.30             |
| 172                | 50                 | Bush                      | 5210                  | 2185                | 0.29             |
| 173                | 259                | Doud                      | 6325                  | 1361                | 0.29             |
| 174                | 267                | Sudan Rural               | SR110                 | 120                 | 0.28             |
| 175                | 160                | Weatherly                 | 1350                  | 733                 | 0.28             |
| 176                | 131                | Hastings                  | 7078                  | 2953                | 0.28             |
| 177                | 33                 | Kingsmill                 | 5115                  | 1033                | 0.28             |
| 178                | 325                | Southeast                 | 5C80                  | 383                 | 0.27             |
| 179                | 84                 | Pacific                   | LV930                 | 11                  | 0.27             |
| 180                | 155                | Wellman                   | S755                  | 228                 | 0.27             |
| 181                | 211                | Wheelock                  | 7375                  | 568                 | 0.27             |
| 182                | 349                | Booker                    | 422                   | 212                 | 0.27             |
| 183                | 157                | Industrial                | 1416                  | 706                 | 0.26             |
| 184                | 239                | Littlefield City          | LI640                 | 673                 | 0.26             |
| 185                | 55                 | Lehman                    | LV510                 | 240                 | 0.25             |
| 186                | 205                | South Georgia             | 5B40                  | 2460                | 0.25             |
| 187                | 52                 | Roberts County            | 7010                  | 564                 | 0.25             |



# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIFI Ranking | 2003 SAIFI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIFI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 188                | 132                | Fritch                    | 1364                  | 2064                | 0.24             |
| 189                | 36                 | Farmers                   | 5385                  | 231                 | 0.23             |
| 190                | 235                | Indiana                   | 7450                  | 1210                | 0.23             |
| 191                | 1                  | Dalhart                   | 1580                  | 145                 | 0.23             |
| 192                | 164                | McCullough                | 7005                  | 1506                | 0.22             |
| 193                | 166                | Dumas 19th Street         | 1367                  | 1772                | 0.22             |
| 194                | 266                | South Georgia             | 2346                  | 977                 | 0.21             |
| 195                | 35                 | Kingsmill                 | 5105                  | 647                 | 0.21             |
| 196                | 163                | Littlefield South         | LI110                 | 1495                | 0.21             |
| 197                | 149                | Stanton                   | 6570                  | 82                  | 0.21             |
| 198                | 222                | Wheelock                  | 7365                  | 1168                | 0.21             |
| 199                | 194                | Parmer County             | 2475                  | 796                 | 0.21             |
| 200                | 101                | Southeast                 | 5C85                  | 2416                | 0.20             |
| 201                | 100                | Arrowhead                 | 5D85                  | 1428                | 0.20             |
| 202                | 25                 | Whiteface                 | LV210                 | 154                 | 0.20             |
| 203                | 32                 | Waterfield                | 2361                  | 487                 | 0.20             |
| 204                | 348                | Palo Duro                 | 5235                  | 160                 | 0.20             |
| 205                | 189                | Highland Park             | 5325                  | 312                 | 0.20             |
| 206                | 280                | Barwise                   | IB130                 | 68                  | 0.19             |
| 207                | 226                | Lawrence Park             | 5030                  | 733                 | 0.19             |
| 208                | 256                | Clutter                   | 6620                  | 1187                | 0.19             |
| 209                | 272                | Littlefield City          | LI610                 | 617                 | 0.18             |
| 210                | 169                | Allen                     | L745                  | 534                 | 0.18             |
| 211                | 177                | West Borger               | 1A20                  | 815                 | 0.18             |
| 212                | 187                | Kite                      | 7106                  | 581                 | 0.18             |
| 213                | 356                | Perryton                  | 1230                  | 917                 | 0.18             |
| 214                | 302                | Happy                     | 2326                  | 360                 | 0.18             |
| 215                | 295                | Plainview South           | P210                  | 102                 | 0.18             |
| 216                | 161                | Centre Street             | 5305                  | 2357                | 0.18             |
| 217                | 79                 | Vickers                   | 6680                  | 1588                | 0.18             |
| 218                | 319                | Canyon West               | 5160                  | 668                 | 0.17             |
| 219                | 77                 | Bush                      | 5215                  | 1291                | 0.17             |
| 220                | 303                | Canadian                  | 325                   | 406                 | 0.17             |
| 221                | 220                | Canyon West               | 7124                  | 2244                | 0.17             |
| 222                | NA                 | Bennett                   | S290                  | 130                 | 0.17             |
| 223                | 82                 | Lynn                      | 6340                  | 634                 | 0.17             |
| 224                | 18                 | Etter Rural               | 5405                  | 969                 | 0.17             |
| 225                | 294                | Puckett West              | 5C30                  | 944                 | 0.16             |
| 226                | 75                 | Batton                    | L624                  | 717                 | 0.16             |
| 227                | 221                | Lawrence Park             | 5050                  | 1056                | 0.16             |
| 228                | 39                 | Garza                     | 6520                  | 533                 | 0.16             |
| 229                | 119                | Whitaker                  | 5270                  | 1993                | 0.16             |
| 230                | 253                | Levelland East            | LV960                 | 1083                | 0.16             |
| 231                | 217                | Dimmitt South             | DI120                 | 255                 | 0.15             |
| 232                | 111                | Moss                      | 6320                  | 1845                | 0.15             |
| 233                | 269                | Tenneco                   | S440                  | 53                  | 0.15             |
| 234                | 357                | Dalhart                   | 116                   | 302                 | 0.15             |
| 235                | 180                | McCullough                | 7002                  | 1458                | 0.14             |

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIFI Ranking | 2003 SAIFI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIFI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 236                | 78                 | Slaton                    | 6600                  | 525                 | 0.14             |
| 237                | 246                | 34th Street               | 5B90                  | 873                 | 0.14             |
| 238                | 66                 | Lawrence Park             | 5275                  | 1277                | 0.14             |
| 239                | 236                | Batton                    | L650                  | 239                 | 0.13             |
| 240                | 264                | Estacado                  | 5D10                  | 2590                | 0.13             |
| 241                | 214                | Plainview North           | P260                  | 1559                | 0.13             |
| 242                | 296                | Whitaker                  | 5265                  | 38                  | 0.13             |
| 243                | 80                 | Kingsmill                 | 5100                  | 131                 | 0.13             |
| 244                | 225                | West Borger               | 1A10                  | 914                 | 0.13             |
| 245                | 321                | Batton                    | L640                  | 670                 | 0.13             |
| 246                | 281                | Estacado                  | 5D20                  | 544                 | 0.13             |
| 247                | 53                 | Sherman County            | 1456                  | 952                 | 0.12             |
| 248                | 23                 | Littlefield West          | LI156                 | 259                 | 0.12             |
| 249                | 188                | Morton                    | M130                  | 511                 | 0.12             |
| 250                | 112                | Manhattan                 | 7160                  | 1313                | 0.12             |
| 251                | 172                | South Georgia             | 5B30                  | 1399                | 0.12             |
| 252                | 232                | Muleshoe Valley           | MR150                 | 340                 | 0.12             |
| 253                | 104                | Doud                      | 6305                  | 1142                | 0.12             |
| 254                | 63                 | Texaco                    | LV980                 | 26                  | 0.12             |
| 255                | 351                | Booker                    | 33-08                 | 1228                | 0.11             |
| 256                | 135                | Springcreek               | 1316                  | 434                 | 0.11             |
| 257                | 224                | Hereford                  | 2627                  | 1697                | 0.11             |
| 258                | 203                | Brisco                    | 3434                  | 560                 | 0.11             |
| 259                | 308                | Stanton                   | 6410                  | 644                 | 0.11             |
| 260                | 271                | Levelland City            | LV190                 | 2541                | 0.10             |
| 261                | 147                | Lyons                     | 5C20                  | 1513                | 0.10             |
| 262                | 141                | East Plant                | A118                  | 1704                | 0.10             |
| 263                | 62                 | Dimmitt East              | DI150                 | 963                 | 0.09             |
| 264                | 362                | Hart                      | HA120                 | 628                 | 0.09             |
| 265                | 289                | Amherst                   | AM620                 | 456                 | 0.09             |
| 266                | 258                | Olton                     | SO180                 | 635                 | 0.09             |
| 267                | 42                 | Kingsmill                 | 5095                  | 44                  | 0.09             |
| 268                | 309                | Slaton                    | SL140                 | 1291                | 0.09             |
| 269                | 251                | Hereford                  | 2630                  | 1185                | 0.09             |
| 270                | 360                | Coulter                   | 5280                  | 798                 | 0.08             |
| 271                | 27                 | Van Buren                 | 7046                  | 1729                | 0.08             |
| 272                | 193                | Denver City East          | S110                  | 1503                | 0.08             |
| 273                | 270                | Indiana                   | 7440                  | 37                  | 0.08             |
| 274                | 156                | Lawrence Park             | 5020                  | 1471                | 0.08             |
| 275                | 341                | Farwell                   | FA620                 | 738                 | 0.08             |
| 276                | 69                 | East Plant                | A122                  | 1326                | 0.08             |
| 277                | 173                | Van Buren                 | 7198                  | 1778                | 0.07             |
| 278                | 287                | Middleton                 | LV810                 | 27                  | 0.07             |
| 279                | 21                 | Whiteface                 | LV220                 | 312                 | 0.07             |
| 280                | 234                | Plainview East            | P160                  | 573                 | 0.07             |
| 281                | 57                 | Industrial                | 1412                  | 805                 | 0.07             |
| 282                | 291                | Pierce                    | 5B05                  | 1016                | 0.07             |
| 283                | 116                | McCullough                | 5085                  | 1180                | 0.07             |

000009

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIFI Ranking | 2003 SAIFI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIFI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 284                | 190                | Stanton                   | 6420                  | 457                 | 0.07             |
| 285                | 318                | Spearman                  | 302                   | 642                 | 0.07             |
| 286                | 128                | Pierce                    | 5B00                  | 1140                | 0.06             |
| 287                | 17                 | Cedar Lake East           | S910                  | 33                  | 0.06             |
| 288                | 68                 | Westridge                 | P450                  | 1389                | 0.06             |
| 289                | 324                | Garza                     | PO110                 | 636                 | 0.05             |
| 290                | 268                | Canadian                  | 350                   | 227                 | 0.05             |
| 291                | 145                | Acco                      | L570                  | 172                 | 0.05             |
| 292                | 113                | Garza                     | 6500                  | 504                 | 0.05             |
| 293                | 65                 | Pierce                    | 5B10                  | 841                 | 0.05             |
| 294                | 328                | Canyon East               | 5185                  | 452                 | 0.05             |
| 295                | 252                | 34th Street               | 5B95                  | 1974                | 0.05             |
| 296                | 94                 | Wheelock                  | 7370                  | 1255                | 0.05             |
| 297                | NA                 | Bennett                   | S345                  | 1117                | 0.05             |
| 298                | 209                | Plainview City            | P630                  | 760                 | 0.05             |
| 299                | 312                | Morton                    | M120                  | 765                 | 0.05             |
| 300                | 191                | Clutter                   | 6630                  | 335                 | 0.04             |
| 301                | 342                | Farwell                   | FA610                 | 403                 | 0.04             |
| 302                | 198                | Canadian                  | 340                   | 426                 | 0.04             |
| 303                | 212                | Lawrence Park             | 5025                  | 1740                | 0.04             |
| 304                | 262                | Dalhart                   | 108                   | 363                 | 0.04             |
| 305                | 144                | Plainview West            | P130                  | 603                 | 0.04             |
| 306                | 293                | Carlisle                  | 6635                  | 701                 | 0.04             |
| 307                | 350                | Booker                    | 421                   | 187                 | 0.04             |
| 308                | 305                | Spearman                  | 301                   | 443                 | 0.04             |
| 309                | 285                | Dalhart                   | 114                   | 495                 | 0.03             |
| 310                | 136                | Kite                      | 5075                  | 1057                | 0.03             |
| 311                | 165                | Wildorado                 | 2018                  | 257                 | 0.03             |
| 312                | 307                | Puckett West              | 5C35                  | 1877                | 0.03             |
| 313                | 340                | Ivory                     | L682                  | 138                 | 0.03             |
| 314                | 361                | Tascosa                   | 1222                  | 37                  | 0.03             |
| 315                | 332                | Southland                 | SO110                 | 115                 | 0.03             |
| 316                | 249                | Farmers                   | 5390                  | 2803                | 0.03             |
| 317                | 260                | Plainview City            | P620                  | 433                 | 0.03             |
| 318                | NA                 | Estacado                  | 5D65                  | 762                 | 0.02             |
| 319                | 283                | Muleshoe City             | MU610                 | 571                 | 0.02             |
| 320                | 275                | Spearman                  | 401                   | 411                 | 0.02             |
| 321                | 215                | Murphy                    | 7430                  | 784                 | 0.02             |
| 322                | 139                | Riley                     | S510                  | 127                 | 0.02             |
| 323                | 261                | Coulter                   | 5285                  | 1336                | 0.02             |
| 324                | 301                | Muleshoe East             | MU640                 | 266                 | 0.02             |
| 325                | 320                | Batton                    | L622                  | 611                 | 0.02             |
| 326                | 9                  | Brownfield                | 6580                  | 349                 | 0.02             |
| 327                | 274                | Plainview City            | P680                  | 100                 | 0.02             |
| 328                | 330                | Muleshoe City             | MU620                 | 737                 | 0.02             |
| 329                | 310                | Exell                     | 1242                  | 109                 | 0.02             |
| 330                | 20                 | Allmon                    | AT120                 | 658                 | 0.02             |
| 331                | 257                | Coulter                   | 5290                  | 1588                | 0.02             |

**000010**

# Service Quality Report to the Public Utility Commission of Texas

## **Xcel Energy**

| <b>2004 SAIFI Ranking</b> | <b>2003 SAIFI Ranking</b> | <b>Substation Identification</b> | <b>Feeder Identification</b> | <b>Number of Customers</b> | <b>2004 SAIFI Value</b> |
|---------------------------|---------------------------|----------------------------------|------------------------------|----------------------------|-------------------------|
| 332                       | 74                        | Sherman County                   | 1448                         | 807                        | 0.02                    |
| 333                       | 299                       | Doud                             | 6345                         | 376                        | 0.02                    |
| 334                       | 213                       | Van Buren                        | 7044                         | 940                        | 0.02                    |
| 335                       | 95                        | Levelland East                   | LV950                        | 410                        | 0.01                    |
| 336                       | 167                       | South Georgia                    | 2342                         | 782                        | 0.01                    |
| 337                       | NA                        | Estacado                         | 5D70                         | 481                        | 0.01                    |
| 338                       | 298                       | South Floydada                   | 3547                         | 823                        | 0.01                    |
| 339                       | 245                       | Spearman                         | 402                          | 348                        | 0.01                    |
| 340                       | 354                       | Perryton                         | 1530                         | 1040                       | 0.01                    |
| 341                       | 182                       | Hendrick                         | 6675                         | 1657                       | 0.01                    |
| 342                       | 108                       | Lynn                             | 6300                         | 976                        | 0.01                    |
| 343                       | 339                       | Levelland City                   | LV520                        | 210                        | 0.00                    |
| 344                       | 70                        | Van Buren                        | 7048                         | 433                        | 0.00                    |
| 345                       | 290                       | Puckett West                     | 5C60                         | 710                        | 0.00                    |
| 346                       | 347                       | Booker                           | 535                          | 264                        | 0.00                    |
| 347                       | 29                        | Hale Center                      | HR110                        | 849                        | 0.00                    |
| 348                       | 329                       | Tuco                             | N412                         | 651                        | 0.00                    |
| 349                       | 243                       | Dalhart                          | 106                          | 150                        | 0.00                    |
| 350                       | 192                       | South Floydada                   | 3551                         | 33                         | 0.00                    |
| 351                       | 327                       | Channing                         | 450                          | 230                        | 0.00                    |
| 352                       | 346                       | Sunset                           | 5D30                         | 29                         | 0.00                    |
| 353                       | 315                       | Van Buren                        | 7190                         | 68                         | 0.00                    |
| 354                       | 306                       | Van Buren                        | 7194                         | 414                        | 0.00                    |
| 355                       | 344                       | Bainer                           | BA601                        | 14                         | 0.00                    |
| 356                       | 109                       | Acco                             | L580                         | 157                        | 0.00                    |
| 357                       | 297                       | Plainview City                   | P670                         | 235                        | 0.00                    |
| 358                       | 288                       | Garza                            | PO120                        | 595                        | 0.00                    |
| 359                       | 334                       | Flanagan                         | S540                         | 39                         | 0.00                    |
| 360                       | 333                       | Adair                            | S790                         | 15                         | 0.00                    |

**000011**

# Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With More Than 10 Customers

**360**

Add or Delete Rows as Necessary

## **Xcel Energy**

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 1                  | 266                | County Line               | CL110                 | 21                  | 2613.00          |
| 2                  | 270                | Barwise                   | IB140                 | 65                  | 1924.28          |
| 3                  | 117                | Carson County             | 7030                  | 82                  | 1491.12          |
| 4                  | 79                 | Carson County             | 7034                  | 97                  | 1336.27          |
| 5                  | 147                | West Anton                | 3502                  | 688                 | 1037.73          |
| 6                  | 57                 | Channing                  | 1568                  | 25                  | 869.40           |
| 7                  | 69                 | Riverview                 | R090                  | 29                  | 749.62           |
| 8                  | 10                 | Mallet                    | LV120                 | 16                  | 698.13           |
| 9                  | 247                | Elwood                    | LV140                 | 70                  | 691.43           |
| 10                 | 25                 | Spearman Int              | 1512                  | 905                 | 648.98           |
| 11                 | 5                  | Herring                   | 1434                  | 1297                | 630.94           |
| 12                 | 77                 | Vega                      | 5170                  | 646                 | 622.46           |
| 13                 | 34                 | Riverview                 | R100                  | 429                 | 601.31           |
| 14                 | 214                | Channing                  | 1564                  | 17                  | 551.88           |
| 15                 | 35                 | Pacific                   | LV940                 | 72                  | 551.56           |
| 16                 | 107                | Hastings                  | 7086                  | 659                 | 487.40           |
| 17                 | 356                | Zavalla                   | LV790                 | 13                  | 438.85           |
| 18                 | 109                | Burnett                   | 1394                  | 129                 | 433.94           |
| 19                 | 112                | Zavalla                   | LV780                 | 23                  | 395.96           |
| 20                 | 64                 | Middleton                 | LV820                 | 54                  | 383.52           |
| 21                 | 31                 | Moore Co                  | M060                  | 127                 | 379.49           |
| 22                 | 228                | Monroe                    | 6610                  | 517                 | 373.31           |
| 23                 | 323                | Hendrick                  | 6685                  | 1429                | 340.05           |
| 24                 | 38                 | Moore Co                  | M055                  | 33                  | 325.03           |
| 25                 | 22                 | Dumas 19th Street         | 1498                  | 27                  | 318.15           |
| 26                 | 115                | Pullman                   | 2A40                  | 101                 | 317.60           |
| 27                 | 162                | Conway                    | 5010                  | 976                 | 316.21           |
| 28                 | 102                | Buffalo                   | 5165                  | 297                 | 298.87           |
| 29                 | 43                 | Farmers                   | 5395                  | 665                 | 298.12           |
| 30                 | 358                | Lariat                    | MR110                 | 100                 | 292.94           |
| 31                 | 18                 | Sherman County            | 1452                  | 32                  | 288.75           |
| 32                 | 17                 | Springlake                | SO140                 | 54                  | 272.43           |
| 33                 | 86                 | Waterfield                | 2364                  | 361                 | 271.45           |
| 34                 | 19                 | Boardman                  | S560                  | 112                 | 260.29           |
| 35                 | 352                | Hart                      | HA110                 | 95                  | 259.82           |
| 36                 | 193                | Coble                     | LV835                 | 10                  | 253.90           |
| 37                 | 41                 | Sunset                    | 5D35                  | 211                 | 252.05           |
| 38                 | 328                | Slaton                    | SL150                 | 1055                | 248.02           |
| 39                 | 264                | Aiken Rural               | LA110                 | 112                 | 241.13           |
| 40                 | 194                | Lockney Rural             | LA150                 | 86                  | 215.38           |
| 41                 | 62                 | Prentice                  | S875                  | 40                  | 213.70           |
| 42                 | 6                  | Lehman                    | LV500                 | 207                 | 211.86           |
| 43                 | 180                | Hastings                  | 7074                  | 1673                | 208.04           |

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 44                 | 326                | Tuco                      | N404                  | 889                 | 204.06           |
| 45                 | 349                | Diekemper                 | DE110                 | 21                  | 200.00           |
| 46                 | 101                | Plant X                   | X310                  | 1034                | 199.80           |
| 47                 | 53                 | Ivory                     | L680                  | 86                  | 197.03           |
| 48                 | 7                  | Tascosa                   | 1218                  | 174                 | 189.23           |
| 49                 | 160                | Kress Rural               | KR120                 | 148                 | 184.05           |
| 50                 | 71                 | Highland Park             | 5335                  | 810                 | 169.37           |
| 51                 | 313                | Canadian                  | 335                   | 182                 | 168.93           |
| 52                 | 2                  | Indiana                   | 7465                  | 35                  | 164.97           |
| 53                 | 181                | Lockney Rural             | LA140                 | 97                  | 159.18           |
| 54                 | 120                | Springlake                | SO150                 | 73                  | 159.16           |
| 55                 | 11                 | Exell                     | 1238                  | 158                 | 152.79           |
| 56                 | 234                | Lawrence Park             | 5315                  | 705                 | 152.70           |
| 57                 | 225                | Soncy                     | 7020                  | 860                 | 152.34           |
| 58                 | 146                | Herring                   | 1438                  | 155                 | 151.93           |
| 59                 | 14                 | Jaybee                    | S765                  | 37                  | 151.73           |
| 60                 | 182                | East Plant                | A110                  | 895                 | 151.05           |
| 61                 | 97                 | Planters                  | L710                  | 838                 | 150.13           |
| 62                 | 186                | Plainview East            | P180                  | 110                 | 149.45           |
| 63                 | 44                 | Etter Rural               | 5410                  | 407                 | 146.64           |
| 64                 | 308                | Wade                      | 1420                  | 63                  | 142.30           |
| 65                 | 161                | Cherry                    | 5C15                  | 1108                | 139.79           |
| 66                 | 337                | Perryton                  | 1535                  | 879                 | 137.07           |
| 67                 | 363                | Olton                     | SO170                 | 633                 | 136.88           |
| 68                 | 16                 | Bowers                    | 5090                  | 149                 | 136.37           |
| 69                 | 294                | Plainview East            | P150                  | 181                 | 136.10           |
| 70                 | 134                | Allred                    | S140                  | 53                  | 134.11           |
| 71                 | 104                | Flanagan                  | S550                  | 40                  | 131.80           |
| 72                 | 133                | Roxana                    | 2076                  | 873                 | 130.65           |
| 73                 | 88                 | Dalhart                   | 1246                  | 1335                | 129.78           |
| 74                 | 61                 | Allred                    | S180                  | 112                 | 128.89           |
| 75                 | 286                | Whitharral                | LV710                 | 120                 | 123.78           |
| 76                 | 45                 | Roxana                    | 2334                  | 207                 | 122.42           |
| 77                 | 9                  | Russell                   | S280                  | 96                  | 120.53           |
| 78                 | 12                 | Doss                      | 6660                  | 294                 | 117.86           |
| 79                 | 122                | Lewters                   | L470                  | 39                  | 113.46           |
| 80                 | 151                | Moss                      | 6540                  | 315                 | 113.41           |
| 81                 | 300                | Canyon West               | 7128                  | 3350                | 111.65           |
| 82                 | 267                | Riley                     | S500                  | 42                  | 111.07           |
| 83                 | 183                | Dimmitt South             | DI110                 | 312                 | 110.45           |
| 84                 | 80                 | Waterfield                | 2368                  | 251                 | 107.29           |
| 85                 | 208                | Sudan Rural               | SR120                 | 558                 | 106.80           |
| 86                 | 155                | Westridge                 | P460                  | 457                 | 103.77           |
| 87                 | 23                 | Friona Rural              | 2436                  | 1621                | 95.73            |
| 88                 | 273                | Riverview                 | R095                  | 730                 | 95.62            |
| 89                 | 56                 | Bowers                    | 2057                  | 541                 | 93.81            |
| 90                 | 331                | Fain                      | 1105                  | 28                  | 93.75            |
| 91                 | 66                 | Allen                     | L505                  | 111                 | 88.41            |

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 92                 | 140                | Littlefield South         | LI120                 | 63                  | 88.35            |
| 93                 | 312                | Irick                     | IB110                 | 55                  | 87.65            |
| 94                 | 54                 | Indiana                   | 7480                  | 1861                | 86.81            |
| 95                 | 20                 | Springcreek               | 1320                  | 174                 | 85.90            |
| 96                 | 258                | Soncy                     | 7024                  | 2101                | 84.88            |
| 97                 | 230                | Ivory                     | L685                  | 806                 | 84.57            |
| 98                 | 335                | Perryton                  | 1235                  | 1340                | 84.00            |
| 99                 | 309                | Barwise                   | IB130                 | 68                  | 81.78            |
| 100                | 227                | Littlefield City          | LI630                 | 306                 | 79.85            |
| 101                | 30                 | Lawrence Park             | 5275                  | 1277                | 77.48            |
| 102                | 233                | Kress Rural               | KR140                 | 147                 | 77.35            |
| 103                | 135                | Estacado                  | 5D15                  | 1361                | 77.12            |
| 104                | 190                | Doud                      | 6480                  | 1377                | 77.07            |
| 105                | 199                | Irick                     | IB120                 | 20                  | 74.80            |
| 106                | 3                  | Tokio                     | S800                  | 103                 | 74.50            |
| 107                | 289                | Plainview City            | P690                  | 210                 | 74.24            |
| 108                | 138                | Manhattan                 | 7164                  | 1285                | 73.36            |
| 109                | 94                 | Lyons                     | 5C25                  | 677                 | 71.97            |
| 110                | 292                | Allen                     | L510                  | 708                 | 71.44            |
| 111                | 197                | Lockney Rural             | 3421                  | 17                  | 71.00            |
| 112                | 316                | Allen                     | L740                  | 751                 | 70.56            |
| 113                | 47                 | Stanton                   | L540                  | 527                 | 68.70            |
| 114                | 178                | Lynn                      | 6510                  | 316                 | 68.05            |
| 115                | 219                | Hastings                  | 7082                  | 1344                | 67.43            |
| 116                | 59                 | McLean Rural              | 5300                  | 859                 | 65.20            |
| 117                | 163                | East Plant                | A126                  | 609                 | 65.11            |
| 118                | 275                | Plainview South           | P220                  | 1519                | 64.40            |
| 119                | 196                | Highland Park             | 5325                  | 312                 | 64.34            |
| 120                | 200                | Sudan Rural               | SR110                 | 120                 | 63.82            |
| 121                | 154                | Wildorado                 | 2014                  | 189                 | 62.90            |
| 122                | 93                 | Arrowhead                 | 5D80                  | 225                 | 62.89            |
| 123                | 244                | Weatherly                 | 1354                  | 765                 | 62.52            |
| 124                | 13                 | Dalhart                   | 1664                  | 61                  | 62.13            |
| 125                | 99                 | South Georgia             | 5B35                  | 1543                | 61.74            |
| 126                | 202                | Canyon East               | 5190                  | 1162                | 61.29            |
| 127                | 242                | Murphy                    | 7535                  | 1572                | 60.50            |
| 128                | 1                  | Parmer County             | 2465                  | 22                  | 60.00            |
| 129                | 82                 | Manhattan                 | 5135                  | 655                 | 59.76            |
| 130                | 110                | Grave                     | 7178                  | 1524                | 57.91            |
| 131                | 315                | Hale Center               | HC610                 | 370                 | 56.01            |
| 132                | 159                | Wellman                   | S755                  | 228                 | 55.32            |
| 133                | 260                | Brisco                    | 3457                  | 10                  | 54.60            |
| 134                | 103                | Lockney Rural             | 3417                  | 1111                | 53.38            |
| 135                | 157                | Weatherly                 | 1350                  | 733                 | 52.34            |
| 136                | 276                | Plainview West            | P110                  | 1026                | 48.98            |
| 137                | 124                | Muleshoe East             | MU630                 | 296                 | 48.93            |
| 138                | 284                | Middleton                 | LV810                 | 27                  | 48.85            |
| 139                | 98                 | Plainview North           | P270                  | 142                 | 48.51            |

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# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 140                | 60                 | Dumas 19th Street         | 1470                  | 2623                | 46.44            |
| 141                | 251                | Dawn                      | 5A35                  | 323                 | 45.98            |
| 142                | 100                | Doss                      | 6670                  | 1932                | 45.70            |
| 143                | 136                | Whitaker                  | 5260                  | 1362                | 45.24            |
| 144                | 218                | Plainview South           | P230                  | 622                 | 44.69            |
| 145                | 105                | Yellowhouse               | LV900                 | 30                  | 44.33            |
| 146                | 213                | South Georgia             | 5B40                  | 2460                | 43.96            |
| 147                | 179                | Doud                      | 6325                  | 1361                | 43.59            |
| 148                | 185                | Levelland City            | LV180                 | 2658                | 42.92            |
| 149                | 52                 | Carlisle                  | 6650                  | 1240                | 41.88            |
| 150                | 148                | South Georgia             | 2338                  | 3292                | 41.21            |
| 151                | 174                | Industrial                | 1416                  | 706                 | 40.54            |
| 152                | 48                 | Kingsmill                 | 5110                  | 489                 | 40.23            |
| 153                | 96                 | Bush                      | 5205                  | 1277                | 39.86            |
| 154                | 282                | Canadian                  | 325                   | 406                 | 38.87            |
| 155                | 231                | Kite                      | 5B80                  | 851                 | 37.82            |
| 156                | 246                | Kress Rural               | KR110                 | 369                 | 36.66            |
| 157                | 125                | Fritch                    | 1360                  | 826                 | 35.29            |
| 158                | 153                | Littlefield South         | LI110                 | 1495                | 35.22            |
| 159                | 68                 | Arrowhead                 | 5D85                  | 1428                | 34.76            |
| 160                | 306                | Southeast                 | 5C80                  | 383                 | 34.46            |
| 161                | 280                | Lynn                      | 6340                  | 634                 | 33.80            |
| 162                | 236                | Muleshoe West             | MR140                 | 688                 | 33.71            |
| 163                | 85                 | Roberts County            | 7010                  | 564                 | 33.41            |
| 164                | 29                 | Doss                      | S410                  | 159                 | 33.40            |
| 165                | 113                | Denver City East          | S100                  | 685                 | 33.38            |
| 166                | 321                | Spearman                  | 302                   | 642                 | 33.27            |
| 167                | 189                | Wheelock                  | 7375                  | 568                 | 32.95            |
| 168                | 220                | Plainview West            | P120                  | 1756                | 32.84            |
| 169                | 26                 | Lehman                    | LV510                 | 240                 | 32.76            |
| 170                | 24                 | Kingsmill                 | 5105                  | 647                 | 31.40            |
| 171                | 65                 | Batton                    | L624                  | 717                 | 30.84            |
| 172                | 89                 | Bush                      | 5210                  | 2185                | 30.66            |
| 173                | 116                | Stanton                   | 6570                  | 82                  | 29.84            |
| 174                | 212                | Doss                      | S400                  | 1275                | 29.56            |
| 175                | 36                 | Bowers                    | 2053                  | 52                  | 29.12            |
| 176                | 263                | Muleshoe West             | MR130                 | 98                  | 28.95            |
| 177                | 95                 | Conway                    | 5005                  | 1834                | 28.26            |
| 178                | 191                | Boardman                  | S430                  | 48                  | 27.85            |
| 179                | 165                | 34th Street               | 5B85                  | 1717                | 27.74            |
| 180                | 127                | Manhattan                 | 7160                  | 1313                | 27.53            |
| 181                | 341                | Booker                    | 422                   | 212                 | 26.89            |
| 182                | 90                 | Southeast                 | 5C85                  | 2416                | 25.96            |
| 183                | 238                | Happy                     | 7040                  | 304                 | 25.50            |
| 184                | 224                | Amherst                   | AM610                 | 41                  | 25.07            |
| 185                | 347                | Soncy                     | 7116                  | 66                  | 25.00            |
| 186                | 187                | Allen                     | L750                  | 521                 | 24.57            |
| 187                | 8                  | Whiteface                 | LV210                 | 154                 | 24.22            |



# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 188                | 332                | Dalhart                   | 116                   | 302                 | 24.05            |
| 189                | 206                | 34th Street               | 5B90                  | 873                 | 23.63            |
| 190                | 278                | Batton                    | L650                  | 239                 | 23.57            |
| 191                | 119                | Cherry                    | 5C10                  | 835                 | 23.32            |
| 192                | 141                | Indiana                   | 7450                  | 1210                | 23.12            |
| 193                | 198                | South Georgia             | 2346                  | 977                 | 23.06            |
| 194                | 210                | West Borger               | 1A15                  | 1575                | 22.58            |
| 195                | 201                | Wheelock                  | 7365                  | 1168                | 22.45            |
| 196                | 346                | Slaton                    | 6690                  | 803                 | 22.25            |
| 197                | 177                | West Borger               | 1A20                  | 815                 | 22.17            |
| 198                | 253                | Clutter                   | 6620                  | 1187                | 21.71            |
| 199                | 132                | Hastings                  | 7078                  | 2953                | 21.34            |
| 200                | 106                | Dalhart                   | 1298                  | 1021                | 20.59            |
| 201                | 176                | Bush                      | 5215                  | 1291                | 20.22            |
| 202                | 288                | Stanton                   | 6430                  | 946                 | 19.72            |
| 203                | 46                 | Vickers                   | 6680                  | 1588                | 19.30            |
| 204                | 339                | Booker                    | 33-08                 | 1228                | 18.85            |
| 205                | 128                | Pierce                    | 5B00                  | 1140                | 18.73            |
| 206                | 211                | Van Buren                 | 7198                  | 1778                | 18.68            |
| 207                | 164                | Fritch                    | 1364                  | 2064                | 18.57            |
| 208                | 166                | Tenneco                   | S440                  | 53                  | 18.40            |
| 209                | 229                | Centre Street             | 5310                  | 1356                | 18.26            |
| 210                | 50                 | Waterfield                | 2361                  | 487                 | 18.26            |
| 211                | 130                | Whitaker                  | 5270                  | 1993                | 18.24            |
| 212                | 121                | Moss                      | 6320                  | 1845                | 17.89            |
| 213                | 175                | Dumas 19th Street         | 1367                  | 1772                | 17.83            |
| 214                | 265                | Estacado                  | 5D10                  | 2590                | 17.78            |
| 215                | NA                 | Bennett                   | S290                  | 130                 | 17.71            |
| 216                | 4                  | Dalhart                   | 1580                  | 145                 | 17.57            |
| 217                | 241                | Lawrence Park             | 5050                  | 1056                | 17.53            |
| 218                | 299                | Littlefield City          | LI610                 | 617                 | 17.37            |
| 219                | 75                 | Texaco                    | LV980                 | 26                  | 16.81            |
| 220                | 221                | Parmer County             | 2475                  | 796                 | 15.99            |
| 221                | 168                | Wildorado                 | 2018                  | 257                 | 15.63            |
| 222                | 152                | Dumas 19th Street         | 1371                  | 1015                | 15.33            |
| 223                | 74                 | Slaton                    | 6600                  | 525                 | 15.23            |
| 224                | 342                | Palo Duro                 | 5235                  | 160                 | 15.19            |
| 225                | 254                | Stanton                   | 6410                  | 644                 | 14.85            |
| 226                | 207                | McCullough                | 7002                  | 1458                | 14.54            |
| 227                | 67                 | Farmers                   | 5385                  | 231                 | 14.52            |
| 228                | 262                | Allen                     | L520                  | 746                 | 14.30            |
| 229                | 37                 | East Plant                | A122                  | 1326                | 13.95            |
| 230                | 297                | Puckett West              | 5C30                  | 944                 | 13.81            |
| 231                | 158                | Allen                     | L745                  | 534                 | 13.72            |
| 232                | 15                 | Etter Rural               | 5405                  | 969                 | 13.50            |
| 233                | 334                | Perryton                  | 1230                  | 917                 | 13.29            |
| 234                | 40                 | Dimmitt East              | DI180                 | 390                 | 13.19            |
| 235                | 129                | Littlefield City          | LI620                 | 166                 | 12.93            |

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# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 236                | 188                | West Borger               | 1A10                  | 914                 | 12.84            |
| 237                | 203                | Clutter                   | 6630                  | 335                 | 12.65            |
| 238                | 295                | Soncy                     | 5130                  | 1178                | 11.93            |
| 239                | 343                | Coulter                   | 5280                  | 798                 | 11.64            |
| 240                | 232                | Littlefield City          | LI640                 | 673                 | 11.46            |
| 241                | 226                | Lawrence Park             | 5030                  | 733                 | 11.43            |
| 242                | 167                | South Georgia             | 5B30                  | 1399                | 11.32            |
| 243                | 92                 | Van Buren                 | 7046                  | 1729                | 11.13            |
| 244                | 235                | Dimmitt South             | DI120                 | 255                 | 10.96            |
| 245                | 111                | Lawrence Park             | 5020                  | 1471                | 10.68            |
| 246                | 150                | East Plant                | A118                  | 1704                | 10.60            |
| 247                | 271                | Levelland City            | LV190                 | 2541                | 10.60            |
| 248                | 243                | Olton                     | SO180                 | 635                 | 10.41            |
| 249                | 192                | Plainview North           | P260                  | 1559                | 10.33            |
| 250                | 353                | Hart                      | HA120                 | 628                 | 10.25            |
| 251                | 291                | Estacado                  | 5D20                  | 544                 | 10.22            |
| 252                | 204                | Morton                    | M130                  | 511                 | 10.08            |
| 253                | 170                | Stanton                   | 6420                  | 457                 | 9.96             |
| 254                | 76                 | Kingsmill                 | 5115                  | 1033                | 9.91             |
| 255                | 239                | Lawrence Park             | 5025                  | 1740                | 9.80             |
| 256                | 351                | Farwell                   | FA620                 | 738                 | 9.77             |
| 257                | 261                | Coulter                   | 5285                  | 1336                | 9.76             |
| 258                | 139                | Denver City East          | S110                  | 1503                | 9.69             |
| 259                | 73                 | Sherman County            | 1456                  | 952                 | 9.66             |
| 260                | 318                | Slaton                    | SL140                 | 1291                | 9.36             |
| 261                | 28                 | Whiteface                 | LV220                 | 312                 | 9.24             |
| 262                | 298                | Whitaker                  | 5265                  | 38                  | 9.08             |
| 263                | 293                | Happy                     | 2326                  | 360                 | 9.04             |
| 264                | 256                | Plainview East            | P160                  | 573                 | 8.91             |
| 265                | 32                 | Cedar Lake East           | S910                  | 33                  | 8.88             |
| 266                | 216                | Amherst                   | AM620                 | 456                 | 8.72             |
| 267                | 33                 | Garza                     | 6520                  | 533                 | 8.30             |
| 268                | 279                | Indiana                   | 7440                  | 37                  | 8.30             |
| 269                | 205                | Canyon West               | 7124                  | 2244                | 8.20             |
| 270                | 83                 | Doud                      | 6305                  | 1142                | 8.12             |
| 271                | 322                | Canyon West               | 5160                  | 668                 | 7.78             |
| 272                | 149                | Industrial                | 1412                  | 805                 | 7.69             |
| 273                | 350                | Farwell                   | FA610                 | 403                 | 7.68             |
| 274                | 172                | McCullough                | 7005                  | 1506                | 7.50             |
| 275                | 296                | Pierce                    | 5B05                  | 1016                | 7.28             |
| 276                | 81                 | Pacific                   | LV930                 | 11                  | 7.27             |
| 277                | 222                | Muleshoe Valley           | MR150                 | 340                 | 7.18             |
| 278                | 142                | Centre Street             | 5305                  | 2357                | 7.05             |
| 279                | 290                | Plainview South           | P210                  | 102                 | 6.81             |
| 280                | 320                | Batton                    | L640                  | 670                 | 6.71             |
| 281                | 145                | McCullough                | 5085                  | 1180                | 6.69             |
| 282                | 184                | Plainview West            | P130                  | 603                 | 6.28             |
| 283                | 126                | Springcreek               | 1316                  | 434                 | 6.22             |

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# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 284                | 42                 | Dimmitt East              | DI150                 | 963                 | 5.97             |
| 285                | 240                | Hereford                  | 2627                  | 1697                | 5.92             |
| 286                | 123                | Hereford                  | 2630                  | 1185                | 5.75             |
| 287                | 63                 | Garza                     | 6500                  | 504                 | 5.34             |
| 288                | 143                | Acco                      | L570                  | 172                 | 5.08             |
| 289                | 72                 | Kingsmill                 | 5100                  | 131                 | 5.03             |
| 290                | 248                | Levelland East            | LV960                 | 1083                | 4.96             |
| 291                | 21                 | Littlefield West          | LI156                 | 259                 | 4.78             |
| 292                | 259                | Brisco                    | 3434                  | 560                 | 4.67             |
| 293                | 131                | Kite                      | 7106                  | 581                 | 4.65             |
| 294                | NA                 | Bennett                   | S345                  | 1117                | 4.58             |
| 295                | 340                | Booker                    | 421                   | 187                 | 4.53             |
| 296                | 118                | Wheelock                  | 7370                  | 1255                | 4.53             |
| 297                | 269                | Puckett West              | 5C35                  | 1877                | 4.31             |
| 298                | 237                | Coulter                   | 5290                  | 1588                | 4.23             |
| 299                | 305                | Spearman                  | 301                   | 443                 | 4.08             |
| 300                | 302                | Morton                    | M120                  | 765                 | 4.06             |
| 301                | 78                 | Pierce                    | 5B10                  | 841                 | 3.98             |
| 302                | 245                | 34th Street               | 5B95                  | 1974                | 3.80             |
| 303                | 285                | Carlisle                  | 6635                  | 701                 | 3.72             |
| 304                | 354                | Ivory                     | L682                  | 138                 | 3.71             |
| 305                | 171                | South Georgia             | 2342                  | 782                 | 3.53             |
| 306                | NA                 | Estacado                  | 5D70                  | 481                 | 3.51             |
| 307                | 70                 | Westridge                 | P450                  | 1389                | 3.42             |
| 308                | 310                | Garza                     | PO110                 | 636                 | 3.10             |
| 309                | 283                | Spearman                  | 401                   | 411                 | 2.94             |
| 310                | 250                | Spearman                  | 402                   | 348                 | 2.89             |
| 311                | 27                 | Brownfield                | 6580                  | 349                 | 2.88             |
| 312                | 209                | Lyons                     | 5C20                  | 1513                | 2.75             |
| 313                | 91                 | Sherman County            | 1448                  | 807                 | 2.62             |
| 314                | 84                 | Kingsmill                 | 5095                  | 44                  | 2.59             |
| 315                | 362                | Southland                 | SO110                 | 115                 | 2.56             |
| 316                | 281                | Canadian                  | 350                   | 227                 | 2.53             |
| 317                | 249                | Plainview City            | P630                  | 760                 | 2.45             |
| 318                | 257                | Farmers                   | 5390                  | 2803                | 2.45             |
| 319                | 223                | Canadian                  | 340                   | 426                 | 2.29             |
| 320                | 304                | Muleshoe City             | MU610                 | 571                 | 2.29             |
| 321                | 327                | Canyon East               | 5185                  | 452                 | 2.21             |
| 322                | 319                | Muleshoe East             | MU640                 | 266                 | 2.03             |
| 323                | 108                | Riley                     | S510                  | 127                 | 2.01             |
| 324                | 137                | Kite                      | 5075                  | 1057                | 1.83             |
| 325                | 324                | Batton                    | L622                  | 611                 | 1.67             |
| 326                | 58                 | Levelland East            | LV950                 | 410                 | 1.54             |
| 327                | 51                 | Allmon                    | AT120                 | 658                 | 1.52             |
| 328                | 333                | Tascosa                   | 1222                  | 37                  | 1.49             |
| 329                | 274                | Plainview City            | P620                  | 433                 | 1.43             |
| 330                | 277                | Plainview City            | P680                  | 100                 | 1.35             |
| 331                | 195                | Van Buren                 | 7044                  | 940                 | 1.23             |

# Service Quality Report to the Public Utility Commission of Texas

## Xcel Energy

| 2004 SAIDI Ranking | 2003 SAIDI Ranking | Substation Identification | Feeder Identification | Number of Customers | 2004 SAIDI Value |
|--------------------|--------------------|---------------------------|-----------------------|---------------------|------------------|
| 332                | 311                | Exell                     | 1242                  | 109                 | 1.19             |
| 333                | 255                | Dalhart                   | 108                   | 363                 | 1.15             |
| 334                | 317                | Dalhart                   | 114                   | 495                 | 1.11             |
| 335                | 215                | Murphy                    | 7430                  | 784                 | 1.05             |
| 336                | NA                 | Estacado                  | 5D65                  | 762                 | 1.03             |
| 337                | 330                | Muleshoe City             | MU620                 | 737                 | 0.81             |
| 338                | 307                | Doud                      | 6345                  | 376                 | 0.77             |
| 339                | 336                | Perryton                  | 1530                  | 1040                | 0.69             |
| 340                | 156                | Van Buren                 | 7048                  | 433                 | 0.62             |
| 341                | 287                | South Floydada            | 3547                  | 823                 | 0.53             |
| 342                | 355                | Levelland City            | LV520                 | 210                 | 0.43             |
| 343                | 217                | Hendrick                  | 6675                  | 1657                | 0.32             |
| 344                | 55                 | Hale Center               | HR110                 | 849                 | 0.30             |
| 345                | 39                 | Lynn                      | 6300                  | 976                 | 0.23             |
| 346                | 268                | Puckett West              | 5C60                  | 710                 | 0.19             |
| 347                | 329                | Tuco                      | N412                  | 651                 | 0.14             |
| 348                | 344                | Booker                    | 535                   | 264                 | 0.09             |
| 349                | 252                | Dalhart                   | 106                   | 150                 | 0.00             |
| 350                | 272                | South Floydada            | 3551                  | 33                  | 0.00             |
| 351                | 325                | Channing                  | 450                   | 230                 | 0.00             |
| 352                | 345                | Sunset                    | 5D30                  | 29                  | 0.00             |
| 353                | 314                | Van Buren                 | 7190                  | 68                  | 0.00             |
| 354                | 303                | Van Buren                 | 7194                  | 414                 | 0.00             |
| 355                | 348                | Bainer                    | BA601                 | 14                  | 0.00             |
| 356                | 114                | Acco                      | L580                  | 157                 | 0.00             |
| 357                | 301                | Plainview City            | P670                  | 235                 | 0.00             |
| 358                | 169                | Garza                     | PO120                 | 595                 | 0.00             |
| 359                | 360                | Flanagan                  | S540                  | 39                  | 0.00             |
| 360                | 361                | Adair                     | S790                  | 15                  | 0.00             |

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Service Quality Report to the Public Utility Commission of Texas

**Xcel Energy**

**INTERRUPTION CAUSES**

Provide the percentage of interruptions attributable to each cause.

2004 Reporting Year

| <b>Causes of Forced Interruptions</b>  | <b>Percentage</b> |
|--|-------------------|
| Weather (Including Lightning)          | 54.07%            |
| Vegetation                             | 2.37%             |
| Animals and Birds                      | 3.23%             |
| People (Including cars and farm equip) | 17.02%            |
| Utility-owned Equipment                | 15.67%            |
| Other                                  | 3.48%             |
| Unknown                                | 4.16%             |
|  | 100.00%           |

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