## VIA HAND DELIVERY

Ms. Blanca S. Bayo<br>Division of the Commission Clerk and<br>Administrative Services<br>Florida Public Service Commission<br>2540 Shumard Oak Boulevard, Room 110<br>Tallahassee, Fl 32399-0850

## Re: Florida Power \& Light Company's Annual Distribution Reliability Report

Dear Ms. Bayo:
Please find enclosed, Florida Power \& Light Company's re-submittal of its most recently filed Annual Distribution Reliability Reports for years 2002 and 2003. On March 1, 2004, pursuant to Rule 25-6.049 F.A.C. FPL filed with Mr. Joseph Jenkins, its Annual Distribution Reliability Report for 2003.

After review of both filings, Staff brought to FPL's attention a different interpretation of the Primary Causes section of the filings. FPL made the requested changes to this section and on March 16, 2004 forwarded those changes to Staff.

With this filing, it is FPL's desire to have the attached reports formally reflected as our corrected response under the Rule. Please do not hesitate to call me at (850) 521-3900 if you have any questions.


Bill Feaster
Manager, Regulatory Affairs
$\qquad$
CMP $\qquad$ COM CTR ECR $\qquad$
$\qquad$
SEC Cc: Mr. Jim Breman, Florida Public Service Commission

RECEIVED \& FILED

EPSC-BUREAU OF RECORDS

## REVISED FILING <br> ANNUAL DISTRIBUTION RELIABILITY REPORT 2002 <br> March, 2004

## Florida Power \& Light

SAIDI $=$ System Average Interruption Duration Index
$=\frac{\text { Sum of All Customer Minutes Interrupted (CMI) }}{\text { Total number of Customers Served (C) }}$
CAIDI $=$ Customer Average Interruption Duration Index
$=\frac{\text { Sum of All Customer Minutes Interrupted (CMI) }}{\text { Total number of Customers Interruptions (CI) }}$
SAIFI = System Average Interruption Frequency Index
$=$ Total number of Customers Interruptions (CI) Total number of Customers Served (C)

MAIFIe $=$ Momentary Average Interruption Event
$=$ Sum of All Customer Momentary interruption Events (CME) Total number of Customers Served (C)

L BAR = Minutes of Interruption
Total Number of Outages
$=\underline{273,363,678}$
$=52.8$
5,174,057

$$
=\frac{273,363,678}{4,006,197} \quad=68.2
$$

$$
5,174,057
$$

.

$$
=\frac{5.174,057}{4,006,197} \quad=1.29
$$



| Utility Name  FPL Service Reliability Indices Data |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| District or Service Area | Customer Served (C) | CMI | Cl | CME | \# Cust >5 |
| Brevard | 251,973 | 17,161,531 | 356,349 | 3,863,766 | 14,062 |
| Central Florida | 223,787 | 18,298,009 | 339,559 | 2,491,438 | 5,519 |
| Gulf Coast | 342,679 | 29,598,556 | 527,128 | 3,716,808 | 21,284 |
| Manasota | 330,072 | 22,894,531 | 351,049 | 2,686,047 | 5,790 |
| North Florida | 111,720 | 9,958,850 | 162,773 | 807,487 | 5,476 |
| Toledo Blade | 141,285 | 10,754,597 | 215,944 | 1,875,630 | 4,677 |
| Treasure Coast | 219,945 | 22,153,038 | 423,302 | 3,631,392 | 16,723 |
| Boca Raton | 317,286 | 21,276,092 | 438,104 | 2,871,711 | 7,890 |
| Central | 224,891 | 13,408,197 | 273,404 | 1,755,137 | 6,524 |
| Gulfstream | 298,737 | 17,025,529 | 342,889 | 3,021,022 | 3,213 |
| North Dade | 211,500 | 12,743,247 | 225,839 | 2,032,441 | 2,928 |
| Pompano | 291,116 | 12,786,286 | 275,004 | 2,214,093 | 3,010 |
| South Dade | 267,763 | 16,796,392 | 303,779 | 2,989,808 | 7,672 |
| West Palm | 316,623 | 18,797,085 | 343,098 | 3,943,637 | 4,898 |
| Wingate | 248,234 | 16,702,263 | 358,855 | 2,915,006 | 5,999 |
| West Dade | 208,586 | 13,009,475 | 236,981 | 2,058,228 | 1,722 |
| System Averages | 4,006,197 | 273,363,678 | 5,174,057 | 42,873,651 | 117,387 |


| Service Reliability Indices |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Utility Name | FPL | Year | 2002 |  |  |
| District or |  |  |  |  |  |
| Service Area | SAIDI | CAIDI | SAIFI | MAIFle | CEMI5 |
| ( a ) | (b) | ( c ) | (d) | ( e) | (f) |
| Brevard | 68.1 | 48.2 | 1.41 | 15.3 | 5.6\% |
| Central Florida | 81.8 | 53.9 | 1.52 | 11.1 | 2.5\% |
| Gulf Coast | 86.4 | 56.2 | 1.54 | 10.8 | 6.2\% |
| Manasota | 69.4 | 65.2 | 1.06 | 8.1 | 1.8\% |
| North Florida | 89.1 | 61.2 | 1.46 | 7.2 | 4.9\% |
| Toledo Blade | 76.1 | 49.8 | 1.53 | 13.3 | 3.3\% |
| Treasure Coast | 100.7 | 52.3 | 1.92 | 16.5 | 7.6\% |
| Boca Raton | 67.1 | 48.6 | 1.38 | 9.1 | 2.5\% |
| Central | 59.6 | 49.0 | 1.22 | 7.8 | 2.9\% |
| Gulfstream | 57.0 | 49.7 | 1.15 | 10.1 | 1.1\% |
| North Dade | 60.3 | 56.4 | 1.07 | 9.6 | 1.4\% |
| Pompano | 43.9 | 46.5 | 0.94 | 7.6 | 1.0\% |
| South Dade | 62.7 | 55.3 | 1.13 | 11.2 | 2.9\% |
| West Palm | 59.4 | 54.8 | 1.08 | 12.5 | 1.5\% |
| Wingate | 67.3 | 46.5 | 1.45 | 11.7 | 2.4\% |
| West Dade | 62.4 | 54.9 | 1.14 | 9.9 | 0.8\% |
| System Averages | 68.2 | 52.8 | 1.29 | 10.7 | 2.9\% |


| Primary Causes of Outage Events |  |  |  |
| :---: | :---: | :---: | :---: |
| Utility Name | FPL | Year | $\underline{2002}$ |
|  |  |  | Average |
|  | Number | Average | Restoration |
|  | of Outage | Duration | Time |
| Cause | Events(N) | (L-Bar) | (CAIDI) |
| (a) | (b) | (c) | (d) |
| 1. Vegetation | 16,906 | 149 | 68.0 |
| 2. Equipment Failure | 14,696 | 203 | 53.4 |
| 3. Unknown | 13,678 | 126 | 47.3 |
| 4. Animal | 10,490 | 74 | 54.5 |
| 5. Other Weather | 8,281 | 108 | 68.8 |
| 6. Lightning | 4,625 | 227 | 60.6 |
| 7. Other | 3,077 | 141 | 18.8 |
| 8. Equipment-Connection | 1,875 | 160 | 90.4 |
| 9. Vehicle | 1,645 | 191 | 41.1 |
| 10. Dig-in | 807 | 225 | 54.3 |
| All Remaining Causes | 18,479 | 160 | 55.5 |
| System Total | 94,559 | 150 | 52.8 |


| 3 Percent Feeder List |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Uitility name FPL |  |  | Year_2002 |  |  |  |  | Outage Events(N) (1) | Average Duration "L-Bar" (1) | $\begin{gathered} \text { CAIDI } \\ (\mathrm{k}) \\ \hline \end{gathered}$ | Listed Last Year? (1) | No. of Years in the Last 5 (m) | Corrective Action Completion Date (n) |
| Primary |  |  | Number of Customers |  |  |  |  |  |  |  |  |  |  |
| td. No or Name <br> (a) | Substation Origin (b) | Location (c) | Residential (d) | Commercial (e) | Industria! <br> (f) | Other (g) | Total $(h)$ |  |  |  |  |  |  |
| 801941 | DEAUVILLE | 6873 Harding Ave, Mramı Beach | 1376 | 211 | 0 | 0 | 1587 | 9 | 9 | 8.1 | No | 0 | 6/30/2003 |
| 504965 | GOLDEN GATE | 400215 Ave, Naples | 3440 | 153 | 60 | 0 | 3653 | 8 | 227 | 441 | No | 0 | 6/1/2003 |
| 806937 | BIRD | 6125 SW 40 St, Dade Co | 981 | 163 | 1 | 0 | 1145 | 8 | 95 | 15.4 | No | 0 | 6/1/2003 |
| 208862 | WINDOVER | Brevard County | 2664 | 481 | 16 | 0 | 3161 | 8 | 40 | 136 | No | 0 | 6/1/2003 |
| 408863 | ABERDEEN | 7520 Jog Rd, Boca Raton | 3117 | 170 | 20 | 0 | 3307 | 8 | 39 | 232 | No | 0 | 6/30/2003 |
| 201032 | EAU GALLIE | 1860 Guava Ave, Melbourne | 2242 | 198 | 4 | 0 | 2444 | 8 | 31 | 5.8 | No | 1 | 611/2003 |
| 809662 | COURT | 12590 SW 136 St, S Dade Co | 1489 | 570 | 9 | 0 | 2088 | 7 | 111 | 51.8 | No | 0 | 6/1/2003 |
| 404738 | HILLSBORO | 842 SW 19 St, Boca Raton | 748 | 84 | 15 | 0 | 847 | 7 | 85 | 342 | No | 0 | 6/30/2003 |
| 401633 | OKEECHOBEE | 112 SE 4th Ave, Ökeechobee | 2100 | 311 | 8 | 0 | 2419 | 7 | 83 | 376 | No | 0 | 6/30/2003 |
| 400663 | WABASSO | 8250 66th Ave., Wabasso | 3546 | 608 | 15 | 0 | 4169 | 7 | 66 | 232 | No | 0 | 611/2003 |
| 701433 | PORT SUB | SE 14 Ave \& Eller Dr, Port Everglades | 344 | 348 | 3 | 0 | 695 | 6 | 197 | 36.4 | No | 0 | 6/1/2003 |
| 506663 | LIVINGSTON | 1 mi N/O Golden Gate Pkwy, Livingston Rid | 2900 | 357 | 49 | 0 | 3306 | 6 | 166 | 32.2 | No | 0 | 6/30/2003 |
| 408763 | SABAL | 350 NW Enterpise Dr, | 1330 | 294 | 13 | 0 | 1637 | 6 | 105 | 33.6 | No | 0 | 6/1/2003 |
| 809668 | COURT | 12592 SW 136 St, S Dade Co | 2059 | 350 | 4 | 0 | 2413 | 6 | 101 | 34 | No | 0 | 6/30/2003 |
| 800231 | MIAMI BEACH | East End MaCarthur Cswy, Miamı Beach | 2629 | 309 | 5 | 0 | 2943 | 6 | 95 | 313 | No | 1 | 6,1/12003 |
| 700332 | PINEHURST | 2101 SW 9 Ave, Ft Lauderdale | 398 | 351 | 6 | 0 | 755 | 6 | 91 | 246 | No | 1 | 6/30/2003 |
| 503964 | ESTERO | 4750 Broadway West, Estero | 3537 | 218 | 15 | 0 | 3770 | 6 | 75 | 473 | No | 0 | 1/2/2002 |
| 408035 | CALDWELL | 1st Ave \& NW 24 St, Boca Raton | 1078 | 433 | 7 | 0 | 1518 | 6 | 48 | 13.3 | No | 0 | 611/2003 |
| 101033 | HOLLY HILL | 403 Walker St, Holly Hill | 804 | 154 | 2 | 0 | 960 | 6 | 44 | 5.7 | No | 0 | 214/2003 |
| 208164 | HIELD | 1725 Substation Rd., Malabar | 2141 | 123 | 8 | 0 | 2272 | 6 | 14 | 13 | No | 0 | 6/30/2003 |
| 104834 | TAYLOR | 5055 Spruce Creek Rd, Port Orange | 2536 | 137 | 16 | 0 | 2689 | 5 | 376 | 808 | No | 0 | 6/1/2003 |
| 700463 | OAKLAND PARK | NE 38 St \& 5 Ave, Ft Lauderdale | 1585 | 594 | 6 | 0 | 2185 | 5 | 184 | 23.4 | No | 0 | 6/30/2003 |
| 801735 | 62NDAVE | 1680 SW 62 Ave, Miami | 906 | 55 | 2 | 0 | 963 | 5 | 158 | 77.2 | No | 1 | 5/3/2002 |
| 805732 | GALLOWAY | 8850 SW 68 St, S Dade Co | 660 | 57 | 5 | 0 | 722 | 5 | 151 | 488 | Yes | 2 | 6/1/2003 |
| 806436 | HAINLIN | SW 147 Ave \& 216 St, S Sade Co | 279 | 176 | 21 | 0 | 476 | 5 | 148 | 38.5 | Yes | 1 | 11/1/2002 |
| 706964 | CHAPEL | 6610 SW 196 Ave Pembroke Pines | 2439 | 178 | 14 | 0 | 2631. | 5 | 137 | 38.3 | Yes | 1 | 6/1/2003 |
| 402834 | LANTANA | 1301 Hypoluxo Rd, Lantana | 2397 | 166 | 2 | 0 | 2565 | 5 | 136 | 22.9 | No | 0 | 6/30/2003 |
| 405932 | BUTTS | 21400 Poweriline Rd, Boca Raton. | 832 | 91 | 5 | 0 | 928 | 5 | 131 | 164 | No | 0 | 6/30/2003 |
| 404239 | BOCA TEECA | 601 W. Clintmoore Rd, Boca Raton | 2075 | 94 | 5 | 0 | 2174 | 5 | 112 | 309 | Yes | 1 | 6/1/2003 |
| 702731 | MCARTHUR | 2000 NW 51 Ave, Lauderhill | 1408 | 154 | 4 | 0 | 1566 | 5 | 109 | 22 | No | 0 | 6/1/2003 |
| 400832 | PAHOKEE | 660 S. State market Rd, Pahokee | 276 | 95 | 29 | 0 | 400 | 5 | 107 | 622 | No | 0 | 6/30/2003 |
| 407163 | CRANE | 4000 SW Sandy Tr, Martin County | 3616 | 238 | 6 | 0 | 3860 | 5 | 104 | 236 | Yes. | 3 | 6/1/2003 |
| 701833 | ROCK ISLAND | 2900 NW 31 Ave, Ft Lauderdale | 1532 | 592 | 5 | 0 | 2129 | 5 | 100 | 142 | No | 0 | 6/1/2003 |
| 808436 | SNAKE CREEK | 3875 NW 203 St, N Dade Co | 2231 | 52 | 0 | 0 | 2283 | 5 | 93 | 357 | Yes | 2 | 6/1/2003 |
| 502561 | PALMA SOLA | 7100151 Ave, Bradenton | 2606 | 143 | 36 | 0 | 2785 | 5 | 78 | 593 | No | 0 | 6/1/2003 |
| 503565 | ALLIGATOR | 15 MI EIO SR 951 on Davis Blvd | 5419 | 327 | 49 | 0 | 5795 | 5 | 75 | 186 | No | 0 | 6/1/2003 |
| 700636 | VERENA | 1401 NE 13 Ave, Ft Lauderdale | 1980 | 129 | 5 | 0 | 2114 | 5 | 60 | 45.1 | No | 0 | 6/1/2003 |
| 701638 | PLANTATION | 4900 W Broward blvg, Ft Lauderdale | 1611 | 446 | 5 | 0 | 1762 | 5 | 59 | 26 | No | 0 | 6/30/2003 |
| 800835 | RAILWAY | 523 NW 11 St, Miamı | 357 | 203 | 0 | 0 | 1160 | 5 | 53 | 284 | No | 0 | 6/30/2003 |
| 407663 | LOXAHATCHEE | 15879 Long Valley LA, Loxahatchee | 2923 | 350 | 5 | 0 | 3278 | 5 | 46 | 194 | No | 0 | 6/30/2003 |
| 701432 | PORT SUB | SE 14 Ave \& Eller Dr, Port Everglades | 0 | 12 | 1 | 0 | 13 | 5 | 42 | 255 | No | 0 | 6/30/2003 |
| 703432 | RESERVATION | 5400 String Rd \& N 64 Ave, Hollywood | 1852 | 63 | 2 | 0 | 1917 | 5 | 41 | 234 | No | 0 | 6/30/2003 |
| 805235 | NATOMA | 2475 SW 16 CL, Marmı | 899 | 61 | 3 | 0 | 963 | 5 | 35 | 237 | No | 1 | 6/30/2003 |
| 704566 | MALLARD | 8300 Block Southgate Bivd, Margate | 6313 | 222 | 4 | 0 | 6539 | 5 | 32 | 184 | No | 0 | 6/1/2003 |
| 503562 | ALLIGATOR | 15 Mi E/O SR 951 on Davis Bivd | 3549 | 629 | 19 | 0 | 4197 | 5 | 24 | 167 | No | 0 | 6/30/2003 |
| 100138 | DAYTONA BEACH | 132 N Segrave Ave, Daytona Beach | 360 | 116 | 3 | 0 | 479 | 5 | 17 | 104 | No. | 1 | 6/1/2003 |
| 704061 | MOTOROLA | 7641 W Sunrise Bivd, Sunrise | 2135 | 271 | 3 | 0 | 2409 | 4 | 616 | 38.6 | No | 0 | 6/30/2003 |
| 802436 | SOUTH MIAMI | 5801 SW 68 St, Mlamı | 793 | 185 | 1 | 0 | 979 | 4 | 304 | 422 | No | 2 | 6/30/2003 |
| 402032 | CLEWISTON | USSC Main Canal Rd, Clewiston | 1229 | 163 | 16 | 0 | 1408 | 4 | 179 | 648 | No | 0 | 10/23/2002 |
| 504961 | GOLDEN GATE | 400115 Ave, Naples | 2482 | 251 | 26 | 0 | 2759 | 4 | 178 | 505 | No | 2 | 6/30/2003 |
| 700234 | HOLLYWOOD | 709 N 21 Ave, Hollywood | 1497 | 309 | 3 | 0 | 1809 | 4 | 178 | 374 | No | 1 | 6/1/2003 |
| 408661 | HOMMELAND. | 1113 Windsor Lake Rd, West Palm Beach | 2387 | 422 | 23 | 0 | 2832 | 4 | 171 | 316 | Yes | 1 | 6/30/2003 |
| 806337 | ULETA | 16150 Mamı Gardens Dr, N Miamı Beach | 1163 | 240 | 0 | 0 | 1403 | 4 | 168 | 314 | No | 0 | 6/1/2001 |
| 406161 | TURNPIKE | 2300 Bayshore Blvd, Port St Lucie | 2812 | 157 | 0 | 0 | 2969 | 4 | 162 | 23.6 | No | 0 | 6/1/2003 |
| 705764 | TRACE | 17800 n Saddla Clibb Rd, Fi Lauderdale | 2751 | 190 | 4 | 0 | 2945 | 4 | 162 | 404 | No | 0 | 6/1/2003 |
| 701536 | DANIA | SE 5 Ave \& 3 St, Dania | 3022 | 172 | 2 | 0 | 3496 | 4 | 159 | 383 | No | 1 | 6/1/2003 |
| 503564 | ALLIGATOR | 15 Mi E/O SR 951 on Davis Bivd | 3581 | 304 | 35 | 0 | 3920 | 4 | 147 | 509 | No | 0 | 3/15/2002 |
| 800854 | RAILWAY | 524 NW 11 St, Miami | 294 | 100 | 1 | 0 | 395 | 4 | 141 | 59.7 | No | 0 | 6/1/2003 |
| 804133 | GARDEN | 3802 NW 179 St, N Dade Co | 1364 | 119 | 0 | 0 | 1483 | 4 | 141 | 40.5 | No | 4 | 6/30/2003 |
| 810561 | JASMINE | 8805 SW Krome Ave, S Dade Co | 3775 | 171 | 5 | 0 | 3951 | 4 | 135 | 18.7 | No | 1 | 6/1/2003 |
| 706266 | VALENCIA | 13000 SW 20 St, Davie | 2024 | 143 | 8 | 0 | 2175 | 4 | 128 | 53.4 | No | 0 | 6/30/2003 |
| 502163 | BONITA SPRINGS | 9491 Bonita Beach Rd, Bonita Springs | 2636 | 457 | 30 | 0 | 3123 | 4 | 127 | 27.7 | No | 0 | 3/22/2002 |
| 401634 | OKEECHOBEE | 112 SE 4th Ave, Okeechobee | 1367 | 360 | 2 | 0 | 1729 | 4 | 124 | 291 | No | 0 | 3/1/2002 |
| 503762 | HARBOR | 22505 Hancock Ave, Punta Gorda | 2107 | 316 | 3 | 0 | 2426 | 4 | 107 | 29.7 | No | 1 | 2/1/2003 |
| 207362 | WYOMING | 2525 Quarry Ave | 1768 | 74 | 2 | 0 | 1844 | 4 | 105 | 388 | No | 0 | TBD |
| 804131 | GARDEN | 3801 NW 179 St, N Dade Co | 1142 | 133 | 2 | 0 | 1277 | 4 | 101 | 235 | No | 1 | 611/2003 |
| 400737 | BOCARATON | 310 W Palmetto Park Rd, Boca Raton | 2126 | 103 | 10 | 0 | 2239 | 4 | 96 | 22 | No | 1 | 6/1/2003 |
| 800433 | COCONUT GROVE | 2998 SW 37th Ave, MiamI | 1492 | 270 | 5 | 0 | 1767 | 4 | 94 | 295 | No | 1 | 6/30/2003 |
| 704665 | SPRINGTREE | NW 88 Ave 8.44 St, Lauderhill | 3439 | 232 | 0 | 0 | 3671 | 4 | 92 | 246 | No | 0 | 6/30/2003 |
| 706166 | HOLLYBROOK | 10501 Washington St, Pembroke Pines | 878 | 275 | 0 | 0 | 1153 | 4 | 86 | 34.8 | No | 0 | 2712003 |
| 105831 | ELKTON | 4525 St Ambrose Church Rd | 619 | 123 | 15 | 0 | 757 | 4 | 85 | 29.4 | No | 1 | 6/30/2003 |
| 407561 | GLENDALE | 9597 20th St, Vero Beach | 2448 | 357 | 14 | 0 | 2819 | 4 | 85 | 13.7 | No | 1 | 2/28/2002 |
| 201632 | PALM BAY | 2197 NE Frankim DR, Palm Eay | 2057 | 89 | 1 | 0 | 2147 | 4 | 82 | 28 | No | 0 | 10/10/2002 |
| 809663 | COURT | 12591 SW 136 St, S Dade Co | 2656 | 369 | 3 | 0 | 3028 | 4 | 81 | 309 | No | 0 | 6/30/2003 |
| 301462 | YULEE | Jacksonville | 1489 | 195 | 13 | 0 | 1697 | 4 | 79 | 281 | No | 1 | 12/30/2002 |
| 705562 | SOUTHSIDE | 200 SW 7 St, Ft Lauderdale | 1953 | 112 | 13 | 0 | 2078 | 4 | 78 | 476 | No | 0 | 6/1/2003 |
| 501764 | IONA | 1750 San Carios Blva, Ft Myers | 6129 | 443 | 10 | 0 | 6582 | 4 | 75 | 32.3 | No | 0 | 8/7/2002 |
| 702740 | MCARTHUR | 2001 NW 51 Ave, Lauderhill | 1986 | 70 | 3 | 0 | 2059 | 4 | 75 | 35 | No | 0 | 1/30/2003 |
| 406863 | KIMBERLY | 11000 W Yamato Rd, W Boca Raton | 2016 | 53 | 5 | 0 | 2074 | 4 | 68 | 383 | No | 0 | 6/30/2003 |
| 500663 | CORTEZ | 440244 Ave West, Bradenton | 4768 | 324 | 11. | 0 | 5103 | 4 | 68 | 492 | No | 0 | 6/4/2003 |
| 201134 | PATRICK | Patrick Air Force Base | 1087 | 26 | 20 | 0 | 1133 | 4 | 31 | 5.8 | Yes | 1 | 6/30/2003 |

## ANNUAL DISTRIBUTION RELIABILITY REPORT 2003 <br> March 2004

## SAIDI $=$ System Average Interruption Duration Index

$$
=\frac{\text { Sum of All Customer Minutes Interrupted (CMI) }}{\text { Total number of Customers Served (C) }}
$$

$$
=\frac{279,674,086}{4,101,421}=68.2
$$

CAIDI $=$ Customer Average Interruption Duration Index
$=\frac{\text { Sum of All Customer Minutes interrupted (CMI) }}{\text { Total number of Customers Interruptions (CI) }}$

$$
=\underline{279,674,086}=50.5
$$

Total number of Customers interruptions (CI)
5,539,358
SAIFI $=$ System Average Interruption Frequency Index
$=\frac{\text { Total number of Customers Interruptions (CI) }}{\text { Total number of Customers Served (C) }} \quad=\frac{5.539,358}{4,101,421}=1.35$
MAIFI $=$ Momentary Average Interruption Event
$\begin{array}{rlrl}=\frac{\text { Sum of All Customer Momentary Interruption Events (CME) }}{\text { Total number of Customers Served (C) }} & =\frac{45,827,814}{4,101,421} & =11.2 \\ \text { L BAR } & =\frac{\text { Minutes of Interruption }}{\text { Total Number of Outages }} & =\frac{14,672,365}{96,255} & =152\end{array}$

| Service Reliability Indices Data |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| District or | Customer |  |  |  |  |
| Service Area | Served (C) | CMI | Cl | CME | \# Cust >5 |
| Brevard | 259,357 | 17,162,780 | 342,542 | 3,971,741 | 4,481 |
| Central Florida | 230,764 | 22,964,405 | 436,202 | 2,521,576 | 15,832 |
| Gulf Coast | 357,399 | 28,668,531 | 581,664 | 3,780,572 | 19,804 |
| Manasota | 336,408 | 19,679,342 | 357,883 | 2,792,649 | 4,830 |
| North Florida | 115,386 | 13,550,375 | 218,954 | 955,903 | 8,918 |
| Toledo Blade | 145,814 | 8,954,947 | 145,598 | 1,819,997 | 2,827 |
| Treasure Coast | 229,436 | 23,004,974 | 436,037 | 4,670,281 | 16,693 |
| Boca Raton | 337,025 | 22,141,954 | 461,162 | 2,715,254 | 9,321 |
| Central | 228,043 | 10,645,854 | 214,034 | 1,776,747 | 1,763 |
| Gulfstream | 304,203 | 16,445,283 | 391,920 | 3,327,571 | 6,409 |
| North Dade | 215,306 | 13,629,758 | 236,939 | 2,038,530 | 6,784 |
| Pompano | 293,716 | 15,764,876 | 348,801 | 2,396,302 | 8,092 |
| South Dade | 272,793 | 18,497,081 | 354,003 | 3,506,947 | 8,832 |
| West Palm | 314,635 | 19,770,097 | 373,552 | 4,435,505 | 7,506 |
| Wingate | 249,639 | 17,004,958 | 385,437 | 2,082,285 | 7,673 |
| West Dade | 211,497 | 11,788,871 | 254,630 | 3,035,954 | 4,277 |
| System Averages | 4,101,421 | 279,674,086 | 5,539,358 | 45,827,814 | 134,042 |


| Service Reliability Indices |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Utility Name | FPL | Year | 2003 |  |  |
| District or |  |  |  |  |  |
| Service Area | SAIDI | CAIDI | SAIFI | MAIFIe | CEMI5 |
| ( a ) | ( b$)$ | ( c) | (d) | (e) | (f) |
| Brevard | 66.2 | 50.1 | 1.32 | 15.3 | 1.7\% |
| Central Florida | 99.5 | 52.6 | 1.89 | 10.9 | 6.9\% |
| Gulf Coast | 80.2 | 49.3 | 1.63 | 10.6 | 5.5\% |
| Manasota | 58.5 | 55.0 | 1.06 | 8.3 | 1.4\% |
| North Florida | 117.4 | 61.9 | 1.90 | 8.3 | 7.7\% |
| Toledo Blade | 61.4 | 61.5 | 1.00 | 12.5 | 1.9\% |
| Treasure Coast | 100.3 | 52.8 | 1.90 | 20.4 | 7.3\% |
| Boca Raton | 65.7 | 48.0 | 1.37 | 8.1 | 2.8\% |
| Central | 46.7 | 49.7 | 0.94 | 7.8 | 0.8\% |
| Gulfstream | 54.1 | 42.0 | 1.29 | 10.9 | 2.1\% |
| North Dade | 63.3 | 57.5 | 1.10 | 9.5 | 3.2\% |
| Pompano | 53.7 | 45.2 | 1.19 | 8.2 | 2.8\% |
| South Dade | 67.8 | 52.3 | 1.30 | 12.9 | 3.2\% |
| West Palm | 62.8 | 52.9 | 1.19 | 14.1 | 2.4\% |
| Wingate | 68.1 | 44.1 | 1.54 | 8.3 | 3.1\% |
| West Dade | 55.7 | 46.3 | 1.20 | 14.4 | 2.0\% |
| System Averages | 68.2 | 50.5 | 1.35 | 11.2 | 3.3\% |


| Utility Name | Primary Causes of Outage Events <br> Year |  |  |
| :--- | :---: | :---: | :---: |
|  | FPL | 2003 |  |
|  | Number | Average | Average |
|  | of Outage | Duration | Restoration |
| Cause | Events(N) | (L-Bar) | (CAIDI) |
| ( ) | (b) | (c) | (d) |
| 1. Equipment Failure | 22,728 | 200 | 52.2 |
| 2. Vegetation | 19,307 | 155 | 71.3 |
| 3. Unknown | 14,469 | 128 | 23.5 |
| 4. Animal | 11,445 | 74 | 54.9 |
| 5. Other Weather | 9,083 | 106 | 46.4 |
| 6. Lightning | 5,074 | 233 | 66.8 |
| 7. Other | 4,956 | 155 | 59.9 |
| 8. Equipment-Connection | 2,339 | 163 | 98.2 |
| 9. Vehicle | 1,791 | 194 | 41.8 |
| 10. Dig-in | 767 | 207 | 47.8 |
| All Remaining Causes | 4,296 | 149 | 44.8 |
| System Total | 96,255 | 152 | 50.5 |


| 3 Percent Feeder List |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Utility name | FPL |  | Year | 2003 |  |  |  |  |  |  |  |  |  |
| Primary |  |  | Number of Customers |  |  |  |  |  |  |  |  | No. of | Corrective |
| Circuit |  |  |  |  |  |  |  |  | Average |  | Listed | Years | Action |
| Id No. or | Substation |  |  |  |  |  |  | Outage | Duration |  | Last | in the | Completion |
| Name | Origin | Location | Residential | Commercial | Industrial | Other | Total | Events( N ) | "L-Bar" | CAIDI | Year? | Last 5 | Date |
| (a) | (b) | (c) | (d) | ( $\mathrm{E}^{\text {) }}$ | (f) | (g) | (h) | (i) | (1) | (k) | (1) | (m) | ( n ) |
| 405466 | CLINTMOORE | 6301 Old Clintmoore Rd, Delray | 2189 | 330 | 32 | 0 | 2551 | 10 | 113 | 400 | No | 0 | 09/01/03 |
| 701635 | PLANTATION | 4900 W Broward Blvd | 1802 | 244 | 2 | 0 | 2048 | 9 | 54 | 184 | No | 0 | 06/30/04 |
| 808632 | BRANDON | 15100 NW 7 Ave | 1700 | 177 | 2 | 0 | 1879 | 9 | 8 | 17.2 | No | 1 | 10/24/03 |
| 405331 | BEELINE | 5101 SR 710, West Palm Beach | 1672 | 102 | 1 | 0 | 1775 | 8 | 80 | 58.9 | No | 0 | 12/04/03 |
| 102535 | MATANZAS | 800 State Rd 206 E | 1937 | 110 | 25 | 0 | 2072 | 8 | 75 | 391 | No | 0 | 03/10/04 |
| 809662 | COURT | 12590 SW 136 St, S Dado County | 594 | 603 | 3 | 0 | 1200 | 8 | 31 | 22.8 | Yes | 1 | 06/30/04 |
| 501762 | IONA | 17550 San Carlos Bivd, Fl Myers | 2067 | 341 | 8 | 0 | 2416 | 7 | 127 | 569 | No | 0 | 6/30/04 |
| 106364 | REGIS | Us $1 \&$ Rr Tracks (N/O Bunneli) | 2641 | 48 | 12 | 0 | 2701 | 7 | 123 | 61.0 | No | 0 | 12/15/03 |
| 811161 | SPOONBILL | Dade County | 2308 | 119 | 0 | 0 | 2427 | 7 | 80 | 26.3 | No | 0 | 6/30/04 |
| 406762 | ACREAGE | 72 CT North \& 140 Ave, Royal | 3416 | 107 | 5 | 0 | 3528 | 7 | 33 | 19.2 | No | 0 | 01/06/03 |
| 706462 | HOLMBERG | 6900 Holmberg Rd, Parkland | 1622 | 177. | 7 | 0 | 1806 | 7 | 29 | 22.4 | No | 0 | 6/30/04 |
| 810062 | AVOCADO | SW 197 Ave \& 216 St, S Dade | 1012 | 342 | 27 | 0 | 1381 | 6 | 236 | 61.8 | No | 1 | 10/30/04 |
| 408462 | ADAMS | 12200 Orange Ave, Ft Pierce | 351 | 263 | 13 | 0 | 627 | 6 | 149 | 65.9 | No | 2 | 05/30/04 |
| 504963 | GOLDEN GATE | 400115 Ave, Naples | 1860 | 408 | 20 | 0 | 2288 | 6 | 136 | 16.0 | No | 1 | 12/31/04 |
| 401931 | LINTON | 161 NE 3 Ave, Delray Beach | 1604 | 403 | 23 | 0 | 2030 | 6 | 90 | 23.6 | No | 1 | 10/24/03 |
| 702435 | PEMBROKE | S 40 Ave \& SW 19 St, Pembroke | 2015 | 182 | 3 | 0 | 2200 | 6 | 86 | 30.0 | No | 0 | 12/31/03 |
| 105832 | ELKTON | 4525 Stambrose Church Rd, Putuam | 701 | 288 | 52 | 0 | 1041 | 6 | 64 | 56.7 | No | 0 | 05/30/03 |
| 700432 | OAKLAND PARK | NE 38 St \& 5 Ave, Ft Lauderdale | 1867 | 241 | 2 | 0 | 2110 | 6 | 58 | 234 | No | 0 | 12/31/04 |
| 504961 | GOLDEN GATE | 400115 Ave, Naples | 2864 | 304 | 20 | 0 | 3188 | 6 | 53 | 157 | Yes | 3 | 06/30/04 |
| 808833 | SNAPPER CREEK | 10700 SW 57th Ave, S Dade County | 850 | 26 | 24 | 0 | 900 | 6 | 52 | 353 | No | 0 | 11/30/04 |
| 806237 | INDIAN CREEK | 5800 Collins Ave, Miamı Beach | 608 | 24 | 5 | 0 | 637 | 6 | 51 | 226 | No | 0 | 12/17/03 |
| 404737 | HILLSSORO | 842 SW 19 St, Boca Raton | 742 | 324 | 12 | 0 | 1078 | 6 | 47 | 362 | No | 0 | 6/30/04 |
| 707131 | CULLUM | 4000 NW 54 Ave, Coconut Creek | 1383 | 100 | 6 | 0 | 1489 | 6 | 43 | 182 | No | 1. | 11/30/04 |
| 807962 | MIAMI LAKES | 14501 NW 77 Ave, Miamı Lakes | 2019 | 288 | 0 | 0 | 2307 | 6 | 38 | 177 | No | 0 | 6/30104 |
| 207262 | CHULUOTA | 695 Brumley Rd, Chuluota | 2828 | 115 | 115 | 0 | 3058 | 6 | 36 | 347 | No | 1 | 03/01/03 |
| 706964 | CHAPEL | 6610 SW 196 Ave, Pembroke Pines | 739 | 116 | 8 | 0 | 863 | 6 | 28 | 271 | Yes | 2 | 06/30/04 |
| 408763 | SABAL | 350 NW Enterpise Dr. | 1686 | 302 | 64 | 0 | 2052 | 5 | 456 | 629 | Yes | 1 | 06/30/04 |
| 400737 | BOCARATON | 301 W Palmetto Park Rd, Boca Raton | 1923 | 106 | 12 | 0 | 2041 | 5 | 217 | 436 | Yes | 2 | 06/30/04 |
| 505862 | BUCKEYE | 12015 Us 41, Palmetto 34250 | 2034 | 95 | 90 | 0 | 2219 | 5 | 185 | 435 | No | 0 | 06/30/04 |
| 803033 | TROPICAL | 9400 SW 16 St, Pompano Beach | 1763 | 138 | 0 | 0 | 1901 | 5 | 167 | 69.7 | No | 0 | 11/30/04 |
| 801937 | DEAUVILLE | 6873 Harding Ave, Miami Beach | 632 | 85 | 6 | 0 | 723 | 5 | 151 | 494 | No | 1 | 06/01/04 |
| 801734 | 62ND AVE | 1680 SW 62 Ave | 1513 | 311 | 0 | 0 | 1824 | 5 | 148 | 223 | No | 0 | 03/30/04 |
| 102235 | MADISON | 610 Ranney Ave | 1916 | 90 | 3 | 0 | 2009 | 5 | 133 | 490 | No | 0 | 11/30/04 |
| 506762 | VANDERBILT | Str 244825, Collier County | 2441 | 295 | 21 | 0 | 2757 | 5 | 131 | 391 | No | 0 | 12/01/03 |
| 301463 | YULEE | S/O Sr A1A On Hart Rd, Yulee | 1671 | 117 | 4 | 0 | 1792 | 5 | 129 | 563 | No | 0 | 6/30/04 |
| 203132 | ROCKLEDGE | 2893 Huntington La, Rockledge | 946 | 157 | 5 | 0 | 1108 | 5 | 105 | 437 | No | 0 | 6/30/04 |
| 400662 | WABASSO | 825066 Ave, Wabasso | 2096 | 341 | 11 | 0 | 2448 | 5 | 103 | 491 | No | 0 | 6/30/04 |
| 703831 | HIGHLANDS | SW 11 St \& 9 Ave, Hallandale | 1894 | 405 | 3 | 0 | 2302 | 5 | 94 | 27.8 | No | 0 | 06/30/03 |
| 805332 | KEY BISCAYNE | WIO Crandon Blvd CII, Key Biscayne | 1086 | 305 | 4 | 0 | 1395 | 5 | 76 | 258 | No | 0 | 12/03/03 |
| 406861 | KIMBERLY | 11000 W Yamato Rd, W Boca Raton | 1975 | 35 | 3 | 0 | 2013 | 5 | 67 | 32.9 | No | 0 | 06/30/03 |
| 404936 | PORT SEWALL | 4250 S Federal Hgwy , Stuart | 1925 | 173 | 9 | 0 | 2107 | 5 | 55 | 343 | No | 0 | 06/30/04 |
| 810362 | NEWTON | 15951 SW 42 St, S Dade County | 2509 | 51 | 0 | 0 | 2560 | 5 | 49 | 27.5 | No | 0 | 6/30/04 |
| 201134 | PATRICK | 988 Highway A1A Pfab, Melbourne | 1113 | 28 | 12 | 0 | 1153 | 5 | 48 | 410 | Yos | 2 | 06/30/04 |
| 801431 | FULFORD | 191 NW 167 St, N. Miamt | 1242 | 255 | 1 | 0 | 1498 | 5 | 44 | 204 | No | 0 | 10/16/03 |
| 406161 | TURNPIKE | 2300 Bayshore Bivd, Port St Lucle | 2078 | 141. | 7 | 0 | 2226 | 5 | 44 | 292 | Yes | 1 | 06/30/04 |
| 406164 | TURNPIKE | 2300 Bayshore Blvd, Port St Lucle | 2317 | 49 | 0 | 0 | 2366 | 5 | 44 | 226 | No | 0 | 03/30/04 |
| 703231 | WOODLANDS | 5400 NW 43 St, Lauderinll | 1549 | 63 | 5 | 0 | 1617 | 5 | 41 | 28.6 | No | 0 | 12/31/04 |
| 801031 | NORMANDY BEACH | 9801 Crystal Springs Rd | 1643 | 70 | 1 | 0 | 1714 | 5 | 39 | 28.4 | No | 0 | 11/30/04 |
| 805235 | NATOMA | 2475 SW 16 Ct , Miami | 906 | 59 | 5 | 0 | 970 | 5 | 38 | 286 | Yes | 2 | 06/30/04 |
| 208862 | WINDOVER | Brevard County | 3249 | 437 | 20 | 0 | 3706 | 5 | 31 | 290 | Yes | , | 06/30/04 |
| 704265 | IMAGINATION | SW 160 Ave On $45 \mathrm{St}, \mathrm{Ft}$ Lauderale | 1378 | 65 | 0 | 0 | 1443 | 5 | 31 | 325 | No | 0 | 12/31/03 |
| 101461 | FLAGLER BEACH | W/O. 1-95 on SR 100, Flager Beach | 1088 | 454 | 7 | 0 | 1549 | 5 | 21 | 25.4 | No | 0 | 08/01/03 |
| 507062 | IMPERIAL | 8812 Strike LA, Naples | 4194 | 623 | 49 | 0 | 4866 | 5 | 17 | 114 | No | 0 | 6/30/04 |
| 703535 | DEERFIELD BEACH | Deerfield À ${ }^{\text {a }}$ \& SW 10 St | 2974 | 197 | 10 | 0 | 3181 | 4 | 238 | 429 | No | 0 | 06/30/04 |
| 101934 | EDGEWATER | 90116 St , Edgewater | 1458 | 267 | 8 | 0 | 1733 | 4 | 202 | 437 | No | 1 | 03/29/02 |
| 804437 | VENETIAN | 1925 West Ave, Miam Beach | 727 | 30 | 1 | 0 | 758 | 4 | 181 | 422 | No | 2 | 08/01/04 |
| 808731 | BOULEVARD | 11130 NE 4 Ave, Miami | 1936 | 118 | 1 | 0 | 2055 | 4 | 169 | 510 | No | 0 | 07/01/04 |
| 807831 | WESTON VILLAGE | 18701 NW 2 Ave, ${ }^{\text {a }}$ M Mami Beach | 1533 | 39 | 1 | 0 | 1573 | 4 | 146 | 568 | No | 0 | 12/30/02 |
| 400133 | WEST PALM BEACH | 810 Charlotio Ave | 776 | 342 | 4 | 0 | 1122 | 4 | 144 | 705 | No | 0 | 09/26/03 |
| 803439 | MIAMI SHORES | 500 NW 93 St, Mlami Shores | 1487 | 158 | 3 | 0 | 1648 | 4 | 143 | 207 | No | 0 | 01/04/04 |
| 403232 | ATLANTIC | 901 W Glades Rd, Boca Raton | 1169 | 166 | 3 | 0 | 1338 | 4 | 138 | 59.6 | No | 0 | 11/30/04 |
| 703432 | RESERVATION | 5400 Stirling Rd 8 N 64 Ave | 1849 | 63 | 4 | 0 | 1916 | 4 | 434 | 27.6 | Yes | 1 | 06/30/04 |
| 102366 | SAINT JOE | N/O St Joord On Old Kings H | 1857 | 366 | 22 | 0 | 2245 | 4 | 133 | 31.2 | No | 0 | 6/30/04 |
| 301461 | YULEE | S/O Sr A1A On Hart Rd, Yulee | 918 | 146 | 25 | 0 | 1089 | 4 | 133 | 775 | No | 0 | 09/23/03 |
| 201033 | EAU GALLIE | Mcclendon SI \& 1860 Guava Ave | 1523 | 180 | 7 | 0 | 1710 | 4 | 129 | 30.0 | No. | 0 | 6/30/04 |
| 802236 | GLADEVIEW | 2401 NW 68 St, Miamı | 2343 | 192 | 1 | 0 | 2536 | 4 | 128 | 273 | No | 0 | 11/30\%3 |
| 503564 | Ailligator | 15 Mi EJO Sr 951 On Davis Blyd | 3595 | 335 | 41 | 0 | 3971 | 4 | 127 | 508 | Yes | 1 | 06/30/04 |
| 406336 | ROEBUCK | 2385 Saratoga Rd, West Palm Beach | 2238 | 112 | 3 | 0 | 2353 | 4 | 121 | 382 | No | 0 | 12/31/04 |
| 406535 | OSBORNE | 5950 S Millitary Tr, Lantana | 2094 | 214 | 1 | 0 | 2309 | 4 | 114 | 40.5 | No | 0 | 6/30/04 |
| 401532 | FT. PIERCE | 3301 Orange Ave | 2087 | 123 | 4 | 0 | 2214 | 4 | 114 | 435 | No | 0 | 05/30/04 |
| 700637 | VERENA | 1401 NE 13 Avenue, Ft Lauderdale | 1150 | 223 | 4 | 0 | 1377 | 4 | 111 | 317 | No | 1 | 06/30/04 |
| 102236 | MADISON | 610 Ranney Ave | 1087 | 111 | 4 | 0 | 1202 | 4 | 108 | 443 | No | 0 | 04/01/03 |
| 300961 | MACCLENNY | Btwnsr 121 \& Sr 228 On Jonath | 1056 | 198 | 7 | 0 | 1261 | 4 | 103 | 400 | No | 0 | 01/05/04 |
| 408862 | ABERDEEN | 7520 Jog Rd | 3828 | 107 | 7 | 0 | 3942 | 4 | 98 | 557 | No | 0 | 04/30/03 |
| 409361 | SWEATT | 31500 NE 224 St, Okeechobee | 780 | 251 | 19 | 0 | 1050 | 4 | 98 | 44.4 | No | 0 | 05/30104 |
| 806840 | RED ROAD | 6702 W 2 Ct , Hialeah | 0 | 26 | 4 | 0 | 30 | 4 | 95 | 604 | No | 0 | 6/30/04 |
| 405463 | CLINTMOORE | 6301 Old Clintmoore Rd, Delray | 1463 | 58 | 12 | 0 | 1533 | 4 | 86 | 44.9 | No | 0 | 06/30/03 |
| 106361 | REGIS | Us 18 Rr Tracks ( $\mathrm{N} / \mathrm{O}$ Bunnell) | 947 | 173 | 22 | 0 | 1142 | 4 | 86 | 551 | No | 0 | 6/30/04 |
| 809661 | COURT | 12590 SW i 36 St S Sado Count | 2246 | 252 | 0 | 0 | 2498 | 4 | 86 | 536 | No | 1 | 6/30/04 |
| 806436 | HAINLIN | SW 147 Ave \& 216 St, S Dade | 303 | 189 | 18 | 0 | 510 | 4 | 85 | 720 | Yes | 2. | 06/30/04 |
| 700437 | OAKLAND PARK | NE 38 St 85 Ave, Ft Lauderdale | 764 | 278 | 3 | 0 | 1045 | 4 | 81 | 191 | No | 0 | 12/31/04 |
| 700832 | BEVERLY | W Washington St \& 562 Ave | 1321 | 192 | 2 | 0 | 1515 | 4 | 79 | 307 | No | 0 | 06/30/03 |
| 706464 | HOLMBERG | 6900 Holmberg Rd, Parkland | 2490 | 214 |  | 0 | 2707 | 4 | 79 | 661 | No | 0 | 12/31/04 |

