



JAMES A. MCGEE
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PROGRESS ENERGY SERVICE COMPANY, LLC

July 28, 2005

VIA ELECTRONIC FILING

Ms. Blanca S. Bayó, Director
Division of the Commission Clerk
and Administrative Services
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Annual Distribution Service Reliability Report for 2004;
Revised MAIFIE.

Dear Ms. Bayó:

On February 22, 2005, Progress Energy Florida filed its Annual Distribution Service Reliability Report for 2004. The report included a Momentary Average Interruption Frequency Index (MAIFIE) of 9.7. A subsequent review of the outage data supporting the report disclosed an error in the data used to calculate Progress Energy's MAIFIE for 2004. The correct 2004 MAIFIE is 13.1. Accordingly, I have enclosed for filing Progress Energy's revised Annual Distribution Service Reliability Report for 2004, which includes the corrected MAIFIE.

Please acknowledge your receipt of the above filing as provided in the Commission's electronic filing procedures. Thank you for your assistance in this matter.

Very truly yours,

s/ James A. McGee

JAM/scc
Enclosures

cc: Mr. Tim Devlin
Mr. Jim Breman
Harold McLean, Esquire



Annual Distribution Service Reliability Report for 2004

February 21, 2005
Revised: July 25, 2005

ANNUAL DISTRIBUTION RELIABILITY REPORT 2004

Progress Energy Florida

SAIDI = System Average Interruption Duration Index

$$= \frac{\text{Sum of All Customer Minutes Interrupted (CMI)}}{\text{Total number of Customers Served (C)}} = \frac{118,613,077}{1,541,402} = 77.0 \text{ (SAIDI)}$$

CAIDI = Customer Average Interruption Duration Index

$$= \frac{\text{Sum of All Customer Minutes Interrupted (CMI)}}{\text{Total number of Customers Interruptions (CI)}} = \frac{118,613,077}{1,833,205} = 64.7 \text{ (CAIDI)}$$

SAIFI = System Average Interruption Frequency Index

$$= \frac{\text{Total number of Customers Interruptions (CI)}}{\text{Total number of Customers Served (C)}} = \frac{1,833,205}{1,541,402} = 1.19 \text{ (SAIFI)}$$

MAIFIe = Momentary Average Interruption Event Frequency Index

$$= \frac{\text{Sum of All Customer Momentary Interruption Events (CME)}}{\text{Total number of Customers Served (C)}} = \frac{20,138,594}{1,541,402} = 13.1 \text{ (MAIFIe)}$$

L BAR = Average Duration of Outage Events

$$= \frac{\text{Minutes of Interruption}}{\text{Total Number of Outages}} = \frac{4,280,855}{38,249} = 111.9 \text{ (LBAR)}$$

Service Reliability Indices Data

Utility Name - **Progress Energy Florida, Inc.**Year - **2004**

| District or Service Area | # Customers Served (C) | # Interruptions (N) | Customer Minutes of Interruption (CMI) | Customers Interrupted (CI) | Customer Momentary Interruption Events (CME) | # Customers Interrupted >5 |
|--------------------------|------------------------|---------------------|--|----------------------------|--|----------------------------|
| North Coastal | 176,744 | 7,357 | 23,319,520 | 290,469 | 2,032,968 | 8,416 |
| South Coastal | 638,170 | 12,583 | 42,339,052 | 697,630 | 9,381,429 | 7,277 |
| North Central Florida | 366,161 | 10,054 | 28,355,081 | 448,411 | 4,126,238 | 3,674 |
| South Central Florida | 360,327 | 8,255 | 24,599,424 | 396,695 | 4,597,959 | 1,681 |
| System Total | 1,541,402 | 38,249 | 118,613,077 | 1,833,205 | 20,138,594 | 21,048 |

| Service Reliability Indices | | | | | |
|--|----------------|----------------|----------------|---------------------------|----------------|
| Utility Name - <u>Progress Energy Florida</u> | | | | Year - <u>2004</u> | |
| District or Service Area (a) | SAIDI (b) | CAIDI (c) | SAIFI (d) | MAIFIE (e) | CEMI5 (f) |
| North Coastal | 131.9 | 80.3 | 1.64 | 11.5 | 4.76% |
| South Coastal | 66.3 | 60.7 | 1.09 | 14.7 | 1.14% |
| North Central Florida | 77.4 | 63.2 | 1.22 | 11.3 | 1.00% |
| South Central Florida | 68.2 | 62.0 | 1.10 | 12.8 | 0.47% |
| System | 77.0 | 64.7 | 1.19 | 13.1 | 1.37% |

Primary Causes of Outage Events

Utility Name - Progress Energy Florida

Year - 2004

| CAUSE (a) | Number of Outage Events (N) (b) | Average Duration (L-Bar) (c) | Average Restoration Time (CAIDI) (d) |
|-------------------|---------------------------------------|------------------------------------|---|
| STORM | 4,208 | 106 | 81.1 |
| TREE-PREVENTABLE | 4,546 | 113 | 71.2 |
| ANIMAL(and Birds) | 5,422 | 58 | 54.6 |
| UNKNOWN | 4,362 | 73 | 65.1 |
| UG SECONDARY/SERV | 3,450 | 156 | 182.0 |
| DEFECTIVE EQUIP. | 3,289 | 165 | 62.2 |
| CONNECTR FAILURE | 2,830 | 95 | 70.1 |
| TREE-NONPREVENT | 2,247 | 116 | 65.5 |
| UG PRIMARY CABLE | 2,323 | 176 | 80.9 |
| LIGHTNING | 2,287 | 125 | 73.0 |
| All Other Causes | 3,285 | 107 | 47.3 |
| System Totals | 38,249 | 112 | 64.7 |

LBAR and CAIDI include all devices.

3 percent Feeder List

Utility Name **Progress Energy Florida**

Year **2004**

| Primary Circuit ID (a) | Substation on Origin (b) | Location (c) | Number of Customers | | | | | Breaker Outage Events "N" (I) | Avg Duration or "L-Bar" (I) | CAIDI (k) | Listed Last Year? (l) | No. of Years in the last 5 (1999 - 2003) (m) | Corrective Action Completion Date (n) |
|------------------------|--------------------------|---------------------|---------------------|----------------|----------------|-----------|-----------|-------------------------------|-----------------------------|-----------|-----------------------|--|---------------------------------------|
| | | | Residential (d) | Commercial (e) | Industrial (f) | Other (g) | Total (h) | | | | | | |
| X259 | Pilsbury | St. Petersburg | 2,431 | 66 | 0 | 10 | 2,507 | 7 | 112.2 | 53.0 | No | 0 | 6/30/2005 |
| N1 | Madison | Monticello | 945 | 148 | 0 | 20 | 1,113 | 6 | 64.3 | 47.2 | No | 0 | 8/31/2005 |
| A74 | Beverly Hills | Inverness | 2,087 | 239 | 0 | 14 | 2,340 | 5 | 111.9 | 49.7 | No | 0 | 6/30/2005 |
| C12 | Clearwater | Clearwater | 1,635 | 402 | 4 | 48 | 2,089 | 5 | 130.2 | 49.5 | No | 1 | 6/30/2005 |
| C4 | Clearwater | Clearwater | 1,165 | 120 | 1 | 21 | 1,307 | 5 | 145.8 | 43.2 | No | 0 | 9/30/2005 |
| C910 | East Clearwater | Clearwater | 1,276 | 656 | 21 | 33 | 1,986 | 4 | 84.2 | 37.1 | No | 0 | 6/30/2005 |
| K17 | Haines City | Lake Wales | 1,408 | 166 | 1 | 49 | 1,624 | 4 | 120.5 | 34.4 | No | 0 | 9/30/2005 |
| K3220 | Desoto | Highlands | 1,043 | 275 | 3 | 34 | 1,355 | 4 | 82.1 | 41.2 | No | 0 | 8/31/2005 |
| K3245 | Dundee | Lake Wales | 1,106 | 146 | 0 | 73 | 1,325 | 4 | 91.5 | 36.7 | No | 0 | 6/30/2005 |
| N3 | Madison | Monticello | 1,220 | 197 | 0 | 34 | 1,451 | 4 | 56.1 | 46.1 | No | 0 | 8/31/2005 |
| W0324 | Econ | Jamestown - Orlando | 2,988 | 123 | 0 | 15 | 3,126 | 4 | 133.1 | 41.2 | No | 0 | 9/30/2005 |
| X132 | Crossroads | St. Petersburg | 622 | 148 | 5 | 12 | 787 | 4 | 116.1 | 38.0 | No | 1 | 6/30/2005 |
| A154 | Silver Springs | Ocala | 1,435 | 203 | 0 | 13 | 1,651 | 3 | 93.0 | 46.5 | No | 0 | 8/31/2005 |
| A195 | Archer | Monticello | 1 | 0 | 2 | 0 | 3 | 3 | 50.7 | 50.7 | Yes | 1 | 6/30/2005 |
| A231 | Santos | Ocala | 1,381 | 30 | 0 | 1 | 1,412 | 3 | 108.6 | 54.7 | No | 0 | 8/31/2005 |
| A35 | Reddick | Ocala | 444 | 142 | 5 | 11 | 602 | 3 | 106.2 | 70.2 | No | 3 | 6/30/2005 |
| C17 | Clearwater | Clearwater | 2,585 | 185 | 2 | 33 | 2,805 | 3 | 108.1 | 39.5 | Yes | 1 | 9/30/2005 |
| C441 | New Port Richey | Seven Springs | 2,959 | 168 | 2 | 7 | 3,136 | 3 | 148.0 | 75.4 | No | 0 | 9/30/2005 |
| J408 | Largo | Clearwater | 1,099 | 233 | 27 | 2 | 1,361 | 3 | 96.0 | 34.3 | No | 0 | 9/30/2005 |
| K1287 | Lake Marion | Lake Wales | 1,653 | 119 | 0 | 11 | 1,783 | 3 | 112.3 | 46.3 | No | 0 | 9/30/2005 |
| K72 | Bay Hill | Buena Vista | 1,236 | 41 | 0 | 9 | 1,286 | 3 | 206.1 | 49.3 | No | 0 | 9/30/2005 |
| K883 | Lake Wil | Buena Vista | 2,206 | 85 | 0 | 10 | 2,301 | 3 | 155.3 | 46.7 | No | 1 | 6/30/2005 |
| M908 | Fern Park | Longwood | 342 | 127 | 13 | 6 | 488 | 3 | 118.8 | 44.5 | No | 0 | 9/30/2005 |
| N15 | Perry North | Monticello | 786 | 135 | 5 | 24 | 950 | 3 | 102.0 | 55.8 | No | 0 | 9/30/2005 |
| N58 | Apalachicola | Monticello | 600 | 212 | 14 | 47 | 873 | 3 | 97.5 | 31.1 | No | 1 | 9/30/2005 |
| W0121 | Deltona | Deland | 2,133 | 67 | 2 | 24 | 2,226 | 3 | 107.5 | 34.5 | No | 0 | 12/31/2005 |
| W0930 | Winter Park | Jamestown | 823 | 745 | 30 | 5 | 1,603 | 3 | 142.6 | 36.9 | No | 0 | 12/31/2005 |
| W1701 | Lake Helen | Deland | 1,508 | 137 | 1 | 24 | 1,670 | 3 | 78.7 | 34.7 | No | 0 | 12/31/2005 |
| A1 | Bellview | Ocala | 2,085 | 387 | 5 | 37 | 2,514 | 2 | 110.9 | 67.4 | No | 0 | 12/31/2005 |
| A124 | Williston | Inverness | 1,340 | 113 | 0 | 2 | 1,455 | 2 | 136.2 | 122.5 | No | 0 | 12/31/2005 |
| A263 | Tangerine | Inverness | 1,997 | 224 | 6 | 58 | 2,285 | 2 | 141.1 | 113.9 | No | 1 | 12/31/2005 |
| C103 | Dunedin | Clearwater | 2,781 | 170 | 0 | 38 | 2,989 | 2 | 125.0 | 71.7 | No | 0 | 12/31/2005 |
| C154 | Denham | Seven Springs | 664 | 131 | 0 | 12 | 807 | 2 | 116.9 | 130.6 | No | 0 | 12/31/2005 |
| J894 | Seminole | Clearwater | 4,536 | 477 | 2 | 46 | 5,061 | 2 | 112.8 | 51.5 | No | 0 | 12/31/2005 |
| X285 | NorthEast | St. Petersburg | 3,420 | 213 | 0 | 7 | 3,640 | 2 | 157.3 | 68.9 | No | 0 | 12/31/2005 |

LBAR and CAIDI include all devices.