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RECORDS AND REPORTING

March 1, 2001

Mr. Joseph D. Jenkins, Director  
Safety and Electric Reliability  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Dear Mr. Jenkins,

Enclosed are the original and five (5) copies of Florida Power & Light Company's (FPL) Annual Distribution Reliability Report for calendar year 2000.

Pursuant to Rule 25-6.0455, and consistent with the information previously agreed to, the following is provided:

- 1) SAIDI, CAIDI, SAIFI, MAIFIE, N, L-bar, (Attachment 1).
- 2) A list of the number of interruptions by causes and service type (Attachment 1).
- 3) The percent of customers experiencing more than five interruptions in 2000 (Attachment 1).
- 4) Three percent of FPL's feeders with the highest number of feeder breaker interruptions for 2000 (Attachment 2).

FPL has continued its trend of improvement in reliability during the year 2000, as demonstrated by the key indicators in the attached document. These improvements include a 7% reduction in SAIDI, 4% reduction in CAIDI, 2% reduction in SAIFI, and 3% reduction in MAIFIE from 1999.

If you have any questions, please do not hesitate to call me at (850) 224-7595.

Sincerely,

William H. Feaster  
Manager, Regulatory Affairs

APP \_\_\_\_\_  
 CAF \_\_\_\_\_  
 CMP \_\_\_\_\_  
 COM \_\_\_\_\_  
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FPSC-RECORDS/REPORTING

# ANNUAL DISTRIBUTION RELIABILITY REPORT 2000

## Attachment 1

### Florida Power & Light

**SAIDI = System Average Interruption Duration Index**

$$= \frac{\text{Sum of All Customer Minutes Interrupted (CMI)}}{\text{Total number of Customers Served (C)}} = \frac{267,484,885}{3,806,747} = 70.3$$

**CAIDI = Customer Average Interruption Duration Index**

$$= \frac{\text{Sum of All Customer Minutes Interrupted (CMI)}}{\text{Total number of Customers Interruptions (CI)}} = \frac{267,484,885}{4,588,872} = 58.3$$

**SAIFI = System Average Interruption Frequency Index**

$$= \frac{\text{Total Number of Customer Interruption (CI)}}{\text{Total Number of Customers Served (C)}} = \frac{4,588,872}{3,806,747} = 1.21$$

**MAIFI = Momentary Average Interruption Event**

$$= \frac{\text{Sum of All Customer Momentary Interruption Events (CME)}}{\text{Total of Customers Served (C)}} = \frac{41,302,699}{3,806,747} = 10.8$$

**L BAR = Minutes of Interruption**  
Total Number of Outages

$$= \frac{13,540,367}{86,728} = 156$$

As required by Docket No. 920229-EL, Rule 25-6.0455, Interruptions by cause are listed below

Causes	Overhead	Underground	Undetermined	Total
Lightning	4,523	660	-	5,183
Other Weather	6,764	915	-	7,679
Vegetation	11,689	705	-	12,394
Animal	8,349	1,150	-	9,499
Vehicle	1,026	240	-	1,266
Dig-in	100	756	-	856
Unknown	17,228	11,879	-	29,107
Other*	-	-	-	-
Other**	12,236	5,948	44	18,228
Corrosion	1,257	632	-	1,889
Salt Spray Corrosion	489	138	-	627
<b>Total</b>	<b>63,661</b>	<b>23,023</b>	<b>44</b>	<b>86,728</b>

\* List the next 3 highest causes for the Utility Report

\*\* Other is equal to all causes not part of the FPSC causes reflected above

**% Of Customers Experiencing >5 Interruptions = 2.7%**

# ANNUAL DISTRIBUTION RELIABILITY REPORT 2000

## Attachment 2

### Florida Power & Light

#### 3% Worst Performing Feeders

Feeder	Substation	Address	RES	COM	IND	Total	N	LBAR
704565	MALLARD	8300 Southgate Bl , N. Lauderdale	3474	91	0	3565	11	51
101464	FLAGLER BEACH	I-95 Exit 91	847	182	0	1029	7	135
702531	DAVIE	2100 S W 66th Terrace, Davie	721	106	1	828	7	63
405465	CLINTMOORE	NW C/O Chntmoore Rd & Jog Rd, Boca Raton	3402	421	1	3824	6	232
402131	TERMINAL SUB	C/O 23rd St & Terminal Dr	1998	192	0	2190	6	185
101865	ORANGEDALE (SA)	6885 County Rd, Off of SR-16A	829	46	0	875	6	179
401931	LINTON	8121 SW 137 AVE. , MIAMI	1533	408	0	1941	6	153
504961	GOLDEN GATE	NW C/O SW 15th Ave & SW 39th St, Naples	2069	236	2	2307	6	127
801139	FRONTON	3795 NW 38 AVE. , MIAMI	947	385	1	1333	6	110
705532	SOUTHSIDE 13KV	200 SW 7 St., Ft Lauderdale	1141	170	0	1311	6	96
805738	GALLOWAY	8850 SW 68 ST , MIAMI	1305	296	0	1601	6	39
202633	HOLLAND PARK	South on SR A1A from US-192	1403	73	0	1476	6	25
801836	BISCAYNE	12635 NW 5 AVE , MIAMI	1989	340	1	2330	6	19
801937	DEAUVILLE	6873 HARDING AVE , MIAMI BEACH	696	85	0	781	5	244
801134	FRONTON	3795 NW 38 AVE , MIAMI	1028	277	1	1306	5	229
501064	FRUITVILLE 23KV	611 Bell Rd, Area MS	1800	304	2	2106	5	189
401632	OKEECHOBEE	NW C/O SE 6th Ave & SW 2nd St, Port St Lucie	1242	347	0	1589	5	184
804439	VENETIAN	1925 WEST AVE , MIAMI BEACH	3944	298	0	4242	5	148
810363	NEWTON SUB	15951 SW 42 ST , MAIMI	1898	193	2	2093	5	128
806033	GOLDEN GLADES	16700 NW 19 AVE. , MIAMI	1459	64	0	1523	5	116
800635	LITTLE RIVER	521 NW 71 ST , MIAMI	686	192	0	878	5	88
400833	PAHOKEE	NE C/O SR 720 & Muck City Rd, Sebastian	778	128	2	908	5	73
402835	LANTANA	NE C/O Hypoluxo Rd & Seacrest Blvd, Ft. Pierce	1432	137	0	1569	5	64
504536	TUTTLE	C/O Tuttle Ave & 6th St, Sarasota	1215	261	1	1477	5	58
704933	LAKEVIEW 13KV	Powerline Rd., Deerfield Beach	3642	83	0	3725	5	55
406866	KIMBERLY	SE C/O Yamato Rd & Ocean Mist Dr. Boynton Bch	4172	102	1	4275	5	55
703635	PALM AIRE 13KV	6275 NW 31 Ave , Ft Lauderdale	1038	140	4	1182	5	43
808436	SNAKE CREEK	3875 NW 203 ST. , MIAMI	2262	47	0	2309	5	37
704569	MALLARD 23KV	8300 Southgate Bl , N Lauderdale	2712	112	2	2826	5	23
702637	ELY 13KV	516 NW 3 Ave., Pompano Beach	937	303	1	1241	5	6
809335	RONEY	LIBERTY AVE. & COLLINS CANAL , MIAMI	645	94	1	740	4	371
802534	GREYNOLDS	2485 NE 163 ST , NORTH MIAMI BEACH	1778	214	0	1992	4	269
800334	BUENA VISTA	329 NW 41 ST , MIAMI	681	272	1	954	4	264
803538	MARKET	2145 NW 14 AVE , MIAMI	1461	592	1	2054	4	258
800632	LITTLE RIVER	521 NW 71 ST , MIAMI	2345	398	0	2743	4	208
407163	CRANE	4060 SW Sunset Trail, Palm City	2623	157	0	2780	4	183
700637	VERENA 13KV	1401 NE 13 Ave , Ft Lauderdale	2157	301	0	2458	4	154
810161	SEAGULL	11120 NW 50 ST. , MIAMI	4230	271	2	4503	4	148
800333	BUENA VISTA	329 NW 41 ST , MIAMI	2469	407	2	2878	4	140
504662	CASTLE	S/O SR 64 on SW 50th St, Bradenton	2099	136	0	2235	4	140
504365	PINE RIDGE	C/O Goodlette Rd & Carcia Rd, Naples	2711	406	3	3120	4	128
501763	IONA	NW C/O SR 865 & Bayside Blvd, Ft Myers	2227	300	0	2527	4	118
811563	KOGER	82nd Ave & 62nd St NW, Miami	1400	273	0	1673	4	116
400737	BOCA RATON	NW C/O Crawford Blvd & Palmetto Park Rd, BR	1569	102	1	1672	4	113
405032	SANDALFOOT	NW C/O Tradewind Rd & Terradas Ln BR	2327	123	0	2450	4	103
707131	CULLUM SUB	Wochnia Blvd NW 54th Av & 40th St Coconut Crk	999	74	1	1074	4	102
702232	MARGATE 13KV	Winfield Bl & NW 68th Tr , Margate	2136	102	1	2239	4	101
406763	ACREAGE SUB	N/S/O N 71st Pl & W/S/O 140th Ave, Palm Beach	2564	245	1	2810	4	101

# ANNUAL DISTRIBUTION RELIABILITY REPORT 2000

## Attachment 2 (Continued)

### Florida Power & Light

#### 3% Worst Performing Feeders

701632	PLANTATION 13KV	4900 W Broward Bl., Plantation	1157	47	1	1205	4	98
400533	BOYNTON	Boynton Rd E/O Glen Arbor Ter, Boynton Beach	1670	461	1	2132	4	92
809664	COURT	12590 SW 136 ST. , MIAMI	2229	145	1	2375	4	89
808262	LINDGREN	8121 SW 137 AVE , MIAMI	1933	67	0	2000	4	88
809231	MITCHELL	13607 SW 92 AVE , MIAMI	1403	132	1	1536	4	82
700234	HOLLYWOOD 4/13KV	709 N 21 Ave , Hollywood	1564	315	0	1879	4	79
101134	ORMOND (DY)	228 N Orchard St, Ormand Beach	1918	72	1	1991	4	76
804438	VENETIAN	1925 WEST AVE , MIAMI BEACH	3087	364	0	3451	4	74
800239	MIAMI BEACH	EAST END OF MCARTHUR CSWY. , MIAMI BEACH	583	79	1	663	4	74
405866	DELTRAIL	1960 Howland Blvd, Deltona	4211	131	1	4343	4	71
706664	NOBHILL	W Broward Bl, Plantation	2449	144	1	2594	4	71
810561	JASMINE	8805 SW KROME AVE. , MIAMI	3571	153	2	3726	4	70
809661	COURT	12590 SW 136 ST. , MIAMI	1454	209	1	1664	4	69
504663	CASTLE	S/O SR 64 on SW 50th St, Bradenton	4295	291	1	4587	4	65
408663	HOMELAND	NE C/O Homeland Rd & Homeland St. , Lake Worth	2219	124	1	2344	4	64
400739	BOCA RATON	NW C/O Crawford Blvd & Palmetto Park Rd, BR	1646	236	0	1882	4	62
804433	VENETIAN	1925 WEST AVE , MIAMI BEACH	140	118	2	260	4	57
700635	VERENA 13KV	1401 NE 13 Ave , Ft Lauderdale	1772	171	1	1944	4	56
808161	MILAM	3400 NW 79 AVE , MAIMI	1525	130	5	1660	4	54
102031	BULOW (DY)	John Anderson Hwy N/O Washington Ave	1422	165	1	1588	4	53
504061	CAPRI	SR 951 N/O Marriot Club Dr, Naples	4444	394	3	4841	4	52
301132	COLUMBIA (LC)	Martin Luther King Dr, E/O Davis Dr , Lake City	969	135	2	1106	4	51
200333	TITUSVILLE (CO)	911 Tropic St, Titusville	2034	247	0	2281	4	51
805240	NATOMA	2475 SW 16 CT. , MIAMI	1048	34	1	1083	4	47
801037	NORMANDY BCH	8670 Harding Ave, Miami Bch	659	15	0	674	4	44
504963	GOLDEN GATE	NW C/O SW 15th Ave & SW 39th St, Naples	3076	413	2	3491	4	41
703733	CRYSTAL 13KV	4035 N Powerline Rd, Pompano Beach	1930	78	0	2008	4	39
705564	SOUTHSIDE 13KV	200 SW 7 St, Ft Lauderdale	3385	348	1	3734	4	36
405863	DELTRAIL	Jog Rd N/O L31 Canal	3326	117	0	3443	4	32