



**Florida
Power**
CORPORATION

JAMES A. MCGEE
SENIOR COUNSEL

March 1, 1999

Ms. Blanca S. Bayó, Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850

Re: Annual Distribution System Reliability Report

Dear Ms. Bayó:

Pursuant to FPSC Rule 25-6.0455, enclosed for filing are the original and fifteen copies of Florida Power Corporation's Distribution System Reliability Report for 1998.

Please acknowledge your receipt of the above filing on the enclosed copy of this letter and return to the undersigned. Thank you for your assistance in this matter.

Very truly yours,

James A. McGee, kma
James A. McGee

JAM/kma
cc: Roberta Bass

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GENERAL OFFICE

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A Florida Progress Company

DOCUMENT NUMBER-DATE

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FPSC-RECORDS/REPORTING

Florida Power Corporation
 Three Percent of Feeders with Highest Interruptions
 1/1/98 to 12/31/98

Run date: 1/20/99

FEEDER	SUBSTATION	AREA SERVED	NUMBER	AVG	RES	COMM	IND	S/L	GOVT
			INTERRUP	DURATION	CUST	CUST	CUST	CUST	CUST
A35	Reddick	Reddick/No. Ocala	8	60	423	123	8		8
A84	Inverness	Inverness	6	68.5	1337	266	1		59
W0762	Turner Plant	Debary/So. Deltona	5	60.8	932	49	1		8
A97	Brooksville	Brooksville	5	43.8	559	181	1		20
K117	Avon Park	Avon Park	5	27.2	1189	155			14
M447	Bay Ridge	Mt. Plymouth	5	106	1216	211			19
K926	Sand Lake	Orlando	5	36.8	259	140	1		5
A36	Reddick	Reddick/No. Ocala	4	68	635	163			20
X211	Pasadena	Treasure Island	4	166.5	2785	215			38
N14	Perry North	Perry	4	62.25	1278	187	3		23
C4987	Curlew	Palm Harbor	4	75.25	2658	136			24
X144	Maximo	St. Petersburg	4	48.75	553	81			1
A154	Silver Springs	Ocala	4	47.25	889	154			1
W0174	Oviedo	Oviedo	4	45.25	1586	222			12
M574	Altamonte	Altamonte	4	50	2091	373	1		39
K223	Orangewood	Orlando	4	58.75		37			2
A38	Martin	Sparr	4	72	1400	236			34
M340	Clarcona	Orlando/Ocoee areas	4	19	891	28			3
K923	Sand Lake	Orlando	4	18		91			1
W0903	Barberville	Barberville	4	18	315	143	7		12
J118	Starkey	Pinellas Park	3	113	1304	243	7		6
W0928	Winter Park East	Winter Park	3	94	1295	18			10
A130	Silver Springs	Silver Springs	3	83	1328	59			25
J143	Cross Bayou	Pinellas Park	3	81	1509	154	8	1	10
J140	Cross Bayou	Pinellas Park	3	71	2269	107			14
A231	Santos	So. Ocala	3	67	1364	38			
X97	Bayway	St. Petersburg Beach	3	59	1088	142			24
N231	East Point	East Point	3	56	812	147	10	1	16
W1108	Deland East	Deland	3	55	1883	144	1		20
A119	Cross City	Cross City	3	55	39	11	7		18
W0003	Winter Park	Winter Park	3	53	643	180	6		21

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W0274			3	52	2407	206			15
W0904			3	51	1284	192	4		26
M423			3	50	497	80			11
A2			3	48	1542	314	5		47
J2906			3	48	1966	57			13
M342			3	46	507	25			4
W0395			3	45	1537	360	2		14
W0018			3	45	1024	66			7
K170			3	45	19	19	1		
A39			3	43	421	162			28
A50			3	37	655	110			13
W0252			3	36	1284	135			9
K4820			3	34	572	131			21
C102			3	33	1742	434			28
M1056			3	31	1183	238	1		60
X265			3	31	904	143	1		24
A96			3	31	1494	423	2		80
W0027			3	27	2251	285			18
X258			3	26	1883	21			48

Florida Power Corporation

Additional FPSC Reliability Data

1/1/98 through 12/31/98

SAIDI - System Average Interruption Duration Index

$$SAIDI = 107.00$$

CAIDI - Customer Average Interruption Duration Index

$$CAIDI = 75.3$$

SAIFI - System Average Interruption Frequency Index

$$SAIFI = 1.41$$

MAIFI_E - Momentary Average Interruption Frequency Index by Event

$$MAIFI_E = 18.5$$

MI - Percentage of customers who experience more than five outages

$$MI = 2.6\%$$