



Progress Energy

ORIGINAL

JAMES A. MCGEE
ASSOCIATE GENERAL COUNSEL
PROGRESS ENERGY SERVICE CO., LLC

February 28, 2003

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

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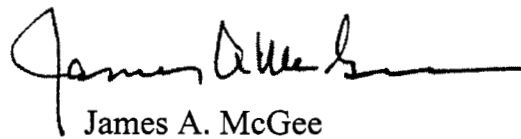
Re: Annual Distribution Service Reliability Report

Dear Ms. Bayó:

Enclosed for filing in the subject docket on behalf of Progress Energy Florida, Inc., formerly Florida Power Corporation, pursuant to Rule 25-6.0455, F.A.C., are an original and fifteen copies of the subject report for 2002.

Please acknowledge your receipt of the above filing on the enclosed copy of this letter and return to the undersigned. Also enclosed is a 3.5 inch diskette containing the above-referenced document in Word and Excel formats. Thank you for your assistance in this matter.

Very truly yours,


James A. McGee

JAM/scc
Enclosure

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ANNUAL DISTRIBUTION RELIABILITY REPORT 2002
(year)

Progress Energy - Florida
(Utility)

SAIDI = System Average Interruption Duration Index

$$= \frac{\text{Sum of All Customer Minutes Interrupted (CMI)}}{\text{Total number of Customers Served (C)}} = \frac{130,015,249}{1,477,124} = 88.0 \text{ (SAIDI)}$$

CAIDI = Customer Average Interruption Duration Index

$$= \frac{\text{Sum of Customer Minutes Interrupted (CMI)}}{\text{Total number of Customer Interruptions (CI)}} = \frac{130,015,249}{1,854,195} = 70.1 \text{ (CAIDI)}$$

SAIFI = System average interruption frequency index.

$$\frac{\text{Total Number of Customer Interruptions (CI)}}{\text{Total Number of Customers Served (C)}} = \frac{1,854,195}{1,477,124} = 1.26 \text{ (SAIFI)}$$

MAIFI_e = Momentary average interruption event

$$\frac{\text{Sum of all Customer Momentary Interruption Events (CME)}}{\text{Total Number of Customers Served (C)}} = \frac{23,881,454}{1,477,124} = 16.2 \text{ (MAIFI_e)}$$

REGION	# Customers Served (C)	# Interruptions (N)	Customers Interrupted (CI)	Customer Minutes of Interruption (CMI)	Customer Momentary Interruption Events (CME)	# Customers Interrupted >5
North Coastal	107,376	5,150	184,844	16,706,007	1,511,012	3,820
Suncoast	628,228	13,573	661,405	41,400,569	10,517,969	3,744
North Central Florida	416,604	13,048	624,390	44,115,436	6,759,909	8,739
South Central Florida	324,916	8,422	383,556	27,793,237	5,092,564	5,263
System Total	1,477,124	40,193	1,854,195	130,015,249	23,881,454	21,566

Primary Causes of Outage Events

Utility Name - Progress Energy, Florida

Year - 2002

CAUSE (a)	Number of Outage Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1. UNKNOWN	5,326	78	72.9
2. ANIMAL	4,871	63	58.2
3. STORM	4,400	114	104.6
4. TREE-PREVENTABLE	4,013	113	74.9
5. DEFECTIVE EQUIP.	3,674	164	64.5
6. UG SECONDARY/SERV	3,492	154	170.0
7. TREE-NONPREVENT	2,993	122	74.8
8. CONNECTR FAILURE	2,885	97	68.1
9. UG PRIMARY CABLE	2,805	163	78.4
10. LIGHTNING	2,145	122	75.2
All Other Causes	3,589	107	47.6
System Totals	40,193	114	70.1

Service Reliability Indices

Utility Name Progress Energy, Florida

Year 2002

District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFIE (e)	CEMIS (f)
North Coastal	155.6	90.4	1.72	14.1	3.56%
Suncoast	65.9	62.6	1.05	16.7	0.60%
North Central Florida	105.9	70.7	1.5	16.2	2.10%
South Central Florida	85.5	72.5	1.18	15.7	1.62%
System	88	70.1	1.26	16.2	1.46%

3 percent Feeder List

Utility Name Progress Energy, Florida

Year 2002

Primary Circuit ID (a)	Substation on Origin (b)	Location (c)	Number of Customers					Outage Events "N" (i)	Avg Duration on "L-Bar" (j)	CAIDI (k)	Listed Last Year? (l)	No. of Years in the last 5 (m)	Corrective Action Completion Date (n)
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)						
K779	Islesworth	South Central	496	78		3	577	5	233	58	No	1	05/01/03
W0630	Holopaw	South Central	633	57		1	691	5	105	93	Yes	2	05/01/03
K396	Pinecastle	South Central	968	222	11	23	1,224	5	46	46	No	None	05/01/03
W0212	Narcoossee	South Central	1,576			0	1,576	5	28	28	No	None	05/01/03
M726	Apk South	North Central	1,207	280	1	31	1,519	5	25	22	No	None	11/01/02
M723	Apk South	North Central	1,797	115		17	1,929	4	71	25	No	None	12/01/02
A36	Reddick	North Coastal	901	188		14	1,103	4	60	60	No	1	05/01/03
X71	Vinoy	Suncoast	3,031	246		31	3,308	4	47	29	No	None	06/01/03
X133	Crossroads	Suncoast	2,368	87	4	20	2,479	4	41	27	No	None	06/01/03
A204	Zuber	North Coastal	2,794	390	6	14	3,204	4	33	33	Yes	2	06/01/03
X132	Crossroads	Suncoast	579	170	10	12	771	4	33	23	No	None	06/01/03
J684	Ulmerton West	Suncoast	2,117	214	1	6	2,338	4	29	21	No	None	06/01/03
W0028	Casselberry	North Central	843	96		6	945	4	17	17	No	None	10/01/03
C11	Clearwater	Suncoast	995	490	6	40	1,531	4	14	12	No	None	06/01/03
K966	Intercession City	South Central	1,514	144	1	24	1,683	3	252	111	No	1	05/01/03
X113	Gateway	Suncoast	1,752	118		3	1,873	3	250	46	No	None	06/01/03
M501	Eustis	North Central	2,152	218	1	44	2,415	3	221	58	No	1	10/01/03
A200	Adams	North Coastal	1,462	82	4	2	1,550	3	104	45	No	None	06/01/03
C8	Clearwater	Suncoast	262	86		20	368	3	100	94	No	None	06/01/03
A4	Bellevue	North Coastal	1,946	172		3	2,121	3	89	38	No	None	06/01/03
K226	Orangewood	South Central	1,745	59		12	1,816	3	84	41	No	None	05/01/03
A212	Tropic Terrace	North Coastal	522	202	4	21	749	3	83	54	No	None	06/01/03
N43	Carrabelle	North Coastal	1,337	186	2	40	1,565	3	82	82	No	None	06/01/03
A38	Martin	North Coastal	1,745	255		25	2,025	3	67	38	No	2	06/01/03
K883	Lake Wilson	South Central	1,770	126		11	1,907	3	66	65	No	None	01/01/03
W0015	Winter Park	North Central	1,327	497	6	19	1,849	3	66	66	No	None	11/01/02
M545	Welch Rd	North Central	1,935	281		24	2,240	3	63	39	No	None	07/01/02
M1709	Douglas Ave	North Central	135	179		14	328	3	62	38	No	1	03/01/03
M657	Myrtle Lake	North Central	403	33		13	449	3	61	44	No	None	07/01/02
W0274	East Orange	South Central	1,851	82		15	1,948	3	55	49	No	None	11/01/02
M1518	Lisbon	North Coastal	2,922	162	4	21	3,109	3	48	48	No	None	08/01/02
M85	Maitland	North Central	1,890	155		10	2,055	3	48	48	No	None	05/01/03
W0806	Deland	North Central	1,573	485	5	67	2,130	3	42	42	No	None	12/01/02
W0470	Sunflower	North Central	1,778			0	1,778	3	40	40	No	None	09/01/02
W0123	Deltona East	North Central	1,905	92		11	2,008	3	39	39	No	None	03/01/03