



TAMPA ELECTRIC

February 25, 1998

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

980000

Dear Ms. Bayo

Pursuant to Florida Administrative Code Rule 25-6.0455, we enclose the original and 15 copies of Tampa Electric's 1997 Distribution Service Reliability Report

If I can be of any further assistance in this matter, please let me know

Sincerely,

*Angela I. Hewell*  
Angela I. Hewell  
Electric Regulatory Affairs  
Regulatory Specialist

- ACK \_\_\_\_\_
- AFA \_\_\_\_\_
- AFP \_\_\_\_\_
- CAF \_\_\_\_\_
- CMR \_\_\_\_\_
- CRS \_\_\_\_\_
- EMR \_\_\_\_\_
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REGISTRATION DIVISION

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TAMPA ELECTRIC  
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TALLAHASSEE, FL 32399-0850  
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**TECO**  
**TAMPA ELECTRIC COMPANY**

**1997 DISTRIBUTION SERVICE  
RELIABILITY REPORT  
TO THE  
FLORIDA PUBLIC SERVICE COMMISSION  
AS DESCRIBED IN RULE 25-6.0455**

DOCUMENT NUMBER-DATE

02666 FEB 26 88

FPSC RECORDS/REPORTING

DISTRIBUTION INTERRUPTIONS  
BY  
CATEGORY

## 1997 DISTRIBUTION INTERRUPTIONS

INTERRUPTION TYPE	NUMBER OF INTERRUPTIONS		
	Overhead	Underground	Total
Weather and Lightning	3,322	259	3,581
Tree or Limb on Line	789	5	794
Animals	2,684	25	2,709
Cars and Public	270	53	323
Dig-In	N/A	39	39
Substation Outage	48	N/A	48
Line Transformer Failure	341	N/A	341
Salt Spray on Insulator	N/A	N/A	N/A
Corrosion	38	N/A	38
Other	1,769	N/A	1,769
Unknown	1,562	127	1,689

Interruptions per Category	10,823	508	11,331
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Average Length of Interruptions (Minutes)	102.60
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THREE PERCENT  
HIGHEST INTERRUPTED  
DISTRIBUTION CIRCUITS

## 1997 Three Percent Highest Interrupted Distribution Circuits

Circuit	Substation	Service Area	Residential Customers *	Commercial Customers *	Industrial Customers *	Number of Interruptions	Avg. Length (L-Bar) Minutes
13405	Keystone	1	1166	144	16	7	27.3
13668	Hampton	4	1749	88	9	4	77.5
13359	Hyde Park	1	827	28	15	4	63.5
13853	Imperial Lakes	4	1166	136	20	4	47.3
13709	Buckhorn	2	1460	156	13	4	36.5
13679	Turkey Ford	1	655	52	5	4	34.3
13045	Fern Street	3	1031	115	15	4	33.0
13708	Buckhorn	2	2242	155	21	4	24.5
13442	Lake Region	6	1282	57	3	4	21.0
13019	Gibsonton	5	1228	81	22	4	19.3
13414	Plant City	4	791	120	25	4	18.3
13652	Rhodine Road	5	1463	33	9	4	18.0
13206	Lois Ave	1	1318	106	11	4	16.3
13546	Maritime	3	356	140	59	3	85.7
13028	Temple Terrace	3	2834	219	33	3	81.7
13587	Dale Mabry	1	2449	61	12	3	78.0
13967	Jan Phyl	6	1083	39	5	3	75.7
13207	Lois Ave	1	714	41	10	3	69.0
13003	Ruskin	5	573	119	10	3	66.7
13254	Gulf City	5	1013	177	15	3	64.3

\*Number of Customers by class are estimates

### Service Areas:

- 1 - Western
- 2 - Eastern
- 3 - Central

- 4 - Plant City
- 5 - South Hillsborough
- 6 - Winter Haven

7 - Dade City