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August 16, 2005

HAND DELIVERED

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

Re: Request to exclude April 11-12, 2004 outage events from annual distribution service reliability report by Tampa Electric Company; Docket No. 041375-EI

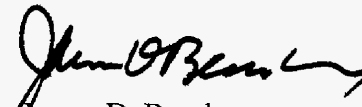
Dear Ms. Bayo:

In compliance with Order PSC-05-0740-PAA-EI issued in the above docket on July 12, 2005, enclosed for filing are the original and fifteen (15) copies of Tampa Electric Company's Revised 2004 Distribution Service Reliability Report, showing the effects of including and excluding April 11 and 12, 2004 Outage Events.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/pp
Enclosure

cc: James Breman (w/enc.)
Angela L. Llewellyn (w/enc.)
Howard T. Bryant (w/enc.)

DOCUMENT NUMBER-DATE

07937 AUG 16 '05

FPSC-COMMISSION CLERK



REVISED
2004 DISTRIBUTION SERVICE
RELIABILITY REPORT
TO THE
FLORIDA PUBLIC SERVICE COMMISSION
AS DESCRIBED IN RULE 25-6.0455

INCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Including April 11 and 12, 2004 Outage Events (per Order No. PSC-05-0740-PAA-EI)
Utility Name: Tampa Electric

SAIDI: System Average Interruption Duration Index		
= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>49,226,367</u>	78.43
Total number of Customers Served (C)	627,620	
CAIDI: System Average Interruption Duration Index		
= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>49,226,367</u>	78.17
Total number of Customer Interruptions (CI)	629,770	
SAIFI: System Average Interruption Frequency Index		
= <u>Total number of Customer Interruptions (CI)</u>	<u>629,770</u>	1.00
Total number of Customers Served (C)	627,620	
MAIFe: Momentary Average Interruption Event		
= <u>Sum of All Customer Momentary Interruption Events (CME)</u>	<u>11,970,528</u>	19.07
Total number of Customers Served (C)	627,620	
LBar:		
= <u>Minutes of Interruption</u>	<u>2,005,320</u>	179.19
Total number of Outages	11,191	

District	C	CMI	CI	CME	# Cust > 5
Central	171,187	14,093,344	151,951	2,767,294	2,008
Dade City	13,000	2,267,294	27,878	431,208	2,060
Eastern	98,326	7,992,093	106,302	2,015,238	3,511
Plant City	50,032	5,268,038	82,334	1,270,325	7,229
South Hillsborough	49,271	4,362,750	67,567	1,281,688	1,817
Western	182,791	10,795,647	128,261	2,743,782	810
Winter Haven	63,013	4,447,201	65,477	1,460,993	3,252
System Totals	627,620	49,226,367	629,770	11,970,528	20,687

THREE PERCENT
HIGHEST INTERRUPTED
DISTRIBUTION CIRCUITS

INCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Including April 11 and 12, 2004 Outage Events (per Order No. PSC-05-0740-PAA-EI)
Utility Name: Tampa Electric

Report Run Date: 07/26/2005 12:46:36

3 Percent Feeder List

Utility Name: Tampa Electric

Year: 2004

Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers					Outage Events "N" (i)	Avg. Duration "L-Bar" (j)	CAIDI (k)	Listed Last Year? (l)	Years in the Last 5 (m)	Action Completion Date (n)
			Residential (d)	Commerical (e)	Industrial (f)	Other (g)	Total (h)						
CB 13388	Kirkland	Plant City	402	29	3		434	9	28.44	28.44	No	1	Infrared Patrol 6/30/05
CB 13808	Knights	Plant City	1,682	155	9		1,846	7	40.71	40.73	No	1	Infrared Patrol 6/30/05
CB 13906	Peach Avenue	Eastern	1,163	156	43		1,362	6	60.00	60.38	No	1	Infrared Patrol 6/30/05
CB 13910	Peach Avenue	Eastern	934	56	3		993	6	42.83	42.82	Yes	4	Infrared Patrol 6/30/05
CB 13007	Mulberry	Plant City	340	153	61		554	5	45.80	45.24	No	1	Infrared Patrol 9/30/05
CB 13442	Lake Region	Winter Haven	1,573	55	7		1,635	5	26.80	26.51	No	0	Infrared Patrol 6/30/05; Tree Trim 07/04
CB 13148	Hopewell	Plant City	663	45	9		717	4	32.75	32.79	No	0	Infrared Patrol 9/30/05; Tree Trim 12/04
CB 13302	Sun City	South Hillsborough	1,450	34	11		1,495	4	39.25	37.18	No	0	Infrared Patrol 6/30/05
CB 13310	E. Winter Haven	Winter Haven	282	177	32		491	4	70.50	67.92	No	0	Infrared Patrol 6/30/05
CB 13576	South Seffner	Eastern	1,549	33	1		1,583	4	45.50	45.48	No	2	Infrared Patrol 9/30/05
CB 13679	Turkey Ford	Western	979	47	3		1,029	4	32.00	31.45	No	0	Infrared Patrol 6/30/05
CB 13708	Buckhorn	Eastern	1,943	148	12		2,103	4	80.25	107.42	No	0	Infrared Patrol 11/30/05
CB 13799	St. Cloud	Eastern	1,400	36	3		1,439	4	44.75	44.75	No	0	Infrared Patrol 9/30/05; Tree Trim 12/04
CB 13813	Blanton	Dade City	1,175	108	5		1,288	4	23.00	22.42	No	0	Infrared Patrol 6/30/05
CB 13909	Peach Avenue	Eastern	827	172	33		1,032	4	45.25	45.42	No	0	Infrared Patrol 9/30/05; Tree Trim 12/04
CB 13927	Lake Gum	Winter Haven	1,493	114	16		1,623	4	91.50	90.97	Yes	2	Infrared Patrol 9/30/05
CB 14040	Hamy Rd	Central	2,046	129	29		2,204	4	55.00	52.51	No	0	Infrared Patrol 6/30/05
CB 13029	Temple Terrace	Central	1,044	76	32		1,152	3	101.33	101.48	No	0	Infrared Patrol 9/30/05
CB 13053	46th Street	Central	1,579	104	9		1,692	3	34.67	36.60	No	0	Infrared Patrol 11/30/05
CB 13103	Yukon	Central	1,563	111	24		1,698	3	138.67	141.90	No	0	Infrared Patrol 11/30/05
CB 13122	Alexander Road	Plant City	300	115	50		465	3	22.00	22.00	No	0	Infrared Patrol 11/30/05
3% CB 13224	56th Street	Central	856	194	38		1,088	3	49.67	49.81	No	0	Infrared Patrol 11/30/05

Form PSC/ECR 102-2, Docket No. 011351-EI, Rule 25-6.0455(b)

Notes:

L-Bar and CAIDI are based on the entire circuit.

L-Bar and CAIDI are expressed in minutes

DISTRIBUTION INTERRUPTIONS
BY
CATEGORY

INCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Including April 11 and 12, 2004 Outage Events (per Order No. PSC-05-0740-PAA-EI)
Utility Name: Tampa Electric

Report Run Date: 07/26/2005 12:46:36

Primary Causes of Outage Events			
Utility Name: Tampa Electric		Year: 2004	
Cause (a)	Number of Outages Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1. Lightning	2,284	246.02	121.64
2. Animals	2,087	93.62	65.70
3. Vegetation	1,919	202.98	82.21
4. Unknown	1,349	146.68	66.65
5. Other Weather	977	193.56	81.22
6. Electrical	965	180.28	76.90
7. Bad Connection	702	181.57	95.05
8. Vehicle	235	163.72	47.70
9. Human Interference	223	193.54	37.05
10. Defective Equipment	213	207.82	119.60
All Remaining Causes	237	186.52	53.80
System Totals	11,191	179.19	78.17

Form PSC/ECR 102-1, Docket No. 011351-EI, Rule 25-6.0455(a)

Notes:

L-Bar and CAIDI are expressed in minutes.

SERVICE RELIABILITY INDICES
INCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Including April 11 and 12, 2004 Outage Events (per Order No. PSC-05-0740-PAA-EI)
Utility Name: Tampa Electric

Report Run Date: 07/26/2005 12:46:36

Service Reliability Indices					
Utility Name: Tampa Electric				Year: 2004	
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)
Central	82.33	92.75	0.88763	16.17	1.17%
Dade City	174.41	81.33	2.14446	33.17	15.84%
Eastern	81.28	75.18	1.08112	20.50	3.57%
Plant City	105.29	63.98	1.64563	25.39	14.45%
South Hillsborough	88.55	64.57	1.37133	26.01	3.69%
Western	59.06	84.17	0.70168	15.01	0.44%
Winter Haven	70.58	67.92	1.03910	23.19	5.16%
System	78.43	78.17	1.00343	19.07	3.30%

Form PSC/ECR 102-3, Docket No. 011351-EI, Rule 25-6.0455(c)

Notes:
 SAIDI and CAIDI are expressed in minutes



REVISED
2004 DISTRIBUTION SERVICE
RELIABILITY REPORT
TO THE
FLORIDA PUBLIC SERVICE COMMISSION
AS DESCRIBED IN RULE 25-6.0455

EXCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Excluding April 11 and 12, 2004 Outage Events
Utility Name: Tampa Electric

SAIDI: System Average Interruption Duration Index		
= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>51,140,619</u>	81.48
Total number of Customers Served (C)	627,620	
 CAIDI: System Average Interruption Duration Index		
= <u>Sum of All Customer Minutes Interrupted (CMI)</u>	<u>51,140,619</u>	78.90
Total number of Customer Interruptions (CI)	648,174	
 SAIFI: System Average Interruption Frequency Index		
= <u>Total number of Customer Interruptions (CI)</u>	<u>648,174</u>	1.03
Total number of Customers Served (C)	627,620	
 MAIFle: Momentary Average Interruption Event		
= <u>Sum of All Customer Momentary Interruption Events (CME)</u>	<u>12,131,948</u>	19.33
Total number of Customers Served (C)	627,620	
 LBar:		
= <u>Minutes of Interruption</u>	<u>2,040,329</u>	179.51
Total number of Outages	11,366	

District	C	CMI	CI	CME	# Cust > 5
Central	171,187	14,470,831	155,092	2,791,781	2,008
Dade City	13,000	2,412,261	29,305	434,408	2,060
Eastern	98,326	8,206,749	107,896	2,032,406	3,511
Plant City	50,032	5,529,129	85,159	1,313,962	7,229
South Hillsborough	49,271	4,399,632	67,820	1,312,365	1,817
Western	182,791	10,971,783	129,923	2,774,812	810
Winter Haven	63,013	5,150,234	72,979	1,472,214	3,252
System Totals	627,620	51,140,619	648,174	12,131,948	20,687

THREE PERCENT
HIGHEST INTERRUPTED
DISTRIBUTION CIRCUITS

EXCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Excluding April 11 and 12, 2004 Outage Events
Utility Name: Tampa Electric

Report Run Date: 07/20/2005 15:18:51

3 Percent Feeder List													Year: 2004
Utility Name: Tampa Electric													
Primary Circuit Id. No. or Name (a)	Substation Origin (b)	Location (c)	Number of Customers					Outage Events "N" (i)	Avg. Duration "L-Bar" (j)	CAIDI (k)	Listed Last Year? (l)	Years in the Last 5 (m)	Action Completion Date (n)
			Residential (d)	Commerical (e)	Industrial (f)	Other (g)	Total (h)						
CB 13388	Kirkland	Plant City	402	29	3		434	9	28.44	28.44	No	1	Infrared Patrol 6/30/05
CB 13808	Knights	Plant City	1,682	155	9		1,846	7	40.71	40.73	No	1	Infrared Patrol 6/30/05
CB 13906	Peach Avenue	Eastern	1,163	156	43		1,362	6	60.00	60.38	No	1	Infrared Patrol 6/30/05
CB 13910	Peach Avenue	Eastern	934	56	3		993	6	42.83	42.82	Yes	4	Infrared Patrol 6/30/05
CB 13007	Mulberry	Plant City	340	153	61		554	5	45.80	45.24	No	1	Infrared Patrol 9/30/05
CB 13442	Lake Region	Winter Haven	1,573	55	7		1,635	5	26.80	26.51	No	0	Infrared Patrol 6/30/05; Tree Trim 07/04
CB 13787	Pinecrest	Plant City	884	95	19		998	5	47.20	46.17	No	0	Infrared Patrol 11/30/05
CB 13148	Hopewell	Plant City	663	45	9		717	4	32.75	32.79	No	0	Infrared Patrol 9/30/05; Tree Trim 12/04
CB 13302	Sun City	South Hillsborough	1,450	34	11		1,495	4	39.25	37.18	No	0	Infrared Patrol 6/30/05
CB 13310	E. Winter Haven	Winter Haven	282	177	32		491	4	70.50	67.92	No	0	Infrared Patrol 6/30/05
CB 13576	South Seffner	Eastern	1,549	33	1		1,583	4	45.50	45.48	No	2	Infrared Patrol 9/30/05
CB 13679	Turkey Ford	Western	979	47	3		1,029	4	32.00	31.45	No	0	Infrared Patrol 6/30/05
CB 13708	Buckhorn	Eastern	1,943	148	12		2,103	4	80.25	107.42	No	0	Infrared Patrol 11/30/05
CB 13770	Lake Juliana	Winter Haven	1,356	36	3		1,395	4	42.00	40.80	No	1	Infrared Patrol 11/30/05
CB 13799	St. Cloud	Eastern	1,400	36	3		1,439	4	44.75	44.75	No	0	Infrared Patrol 9/30/05; Tree Trim 12/04
CB 13813	Blanton	Dade City	1,175	108	5		1,288	4	23.00	22.42	No	0	Infrared Patrol 6/30/05
CB 13898	1st Street	South Hillsborough	307	45	14		366	4	37.00	37.59	No	1	Infrared Patrol 11/30/05
CB 13909	Peach Avenue	Eastern	827	172	33		1,032	4	45.25	45.42	No	0	Infrared Patrol 9/30/05; Tree Trim 12/04
CB 13927	Lake Gum	Winter Haven	1,493	114	16		1,623	4	91.50	90.97	Yes	2	Infrared Patrol 9/30/05
CB 14040	Harny Rd	Central	2,046	129	29		2,204	4	55.00	52.51	No	0	Infrared Patrol 6/30/05
CB 13029	Temple Terrace	Central	1,044	76	32		1,152	3	101.33	101.48	No	0	Infrared Patrol 9/30/05
3% CB 13053	46th Street	Central	1,579	104	9		1,692	3	34.67	36.60	No	0	Infrared Patrol 11/30/05

Form PSC/ECR 102-2, Docket No. 011351-EI, Rule 25-6.0455(b)

Notes:

L-Bar and CAIDI are based on the entire circuit.

L-Bar and CAIDI are expressed in minutes

DISTRIBUTION INTERRUPTIONS
BY
CATEGORY

EXCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Excluding April 11 and 12, 2004 Outage Events
Utility Name: Tampa Electric

Report Run Date: 07/20/2005 15:18:51

Primary Causes of Outage Events			
Utility Name: Tampa Electric			Year: 2004
Cause (a)	Number of Outages Events (N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1. Lightning	2,314	245.69	121.87
2. Animals	2,107	94.07	67.39
3. Vegetation	1,979	203.28	83.58
4. Unknown	1,358	146.73	67.06
5. Other Weather	1,009	194.38	82.37
6. Electrical	975	180.30	77.61
7. Bad Connection	709	181.61	95.30
8. Vehicle	238	164.65	47.76
9. Human Interference	223	193.54	37.05
10. Defective Equipment	215	207.99	120.28
All Remaining Causes	239	185.37	53.85
System Totals	11,366	179.51	78.90

Form PSC/ECR 102-1, Docket No. 011351-EI, Rule 25-6.0455(a)

Notes:

L-Bar and CAIDI are expressed in minutes.

SERVICE RELIABILITY INDICES
EXCLUDING APRIL 11 AND 12, 2004
OUTAGE EVENTS

ANNUAL DISTRIBUTION RELIABILITY REPORT - 2004
Excluding April 11 and 12, 2004 Outage Events
Utility Name: Tampa Electric

Report Run Date: 07/20/2005 15:18:51

Service Reliability Indices					
Utility Name: Tampa Electric				Year: 2004	
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)
Central	84.53	93.30	0.90598	16.31	1.17%
Dade City	185.56	82.32	2.25423	33.42	15.84%
Eastern	83.46	76.06	1.09733	20.67	3.57%
Plant City	110.51	64.93	1.70209	26.26	14.45%
South Hillsborough	89.29	64.87	1.37647	26.64	3.69%
Western	60.02	84.45	0.71077	15.18	0.44%
Winter Haven	81.73	70.57	1.15816	23.36	5.16%
System	81.48	78.90	1.03275	19.33	3.30%

Form PSC/ECR 102-3, Docket No. 011351-EI, Rule 25-6.0455(c)

Notes:

SAIDI and CAIDI are expressed in minutes