

1 **Q. Please provide reliability performance data for each individual feeder on**
2 **Newfoundland Power's system. Please provide this information for each of the past**
3 **five years in order of descending performance including number of interruptions,**
4 **duration of interruptions and number of customers affected. Please provide this**
5 **information in spreadsheet format.**
6

7 A. Attachment A contains the requested data, which reflects all unplanned outages caused
8 by failure of, or interference with, the distribution system. An electronic copy of the
9 requested data is available on the Newfoundland Power's stranded website at the link
10 *ftp.nfpower.nf.ca*.
11

12 The data is sorted by the duration of outages (average from 2004 to 2008) in descending
13 order.

Distribution Reliability Performance Data
2004 - 2008

			Duration of Interruptions in Minutes						Outages per Customer (SAIFI)					
Customer														
<u>Substation</u>	<u>Fdr</u>	<u>Count</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>
GPD	01	236	2531.36	2.24	29.83	41.02	163.40	553.57	3.32	0.03	1.25	1.24	0.04	1.17
NWB	02	1041	730.34	275.87	538.51	289.32	570.49	480.91	4.85	2.63	5.33	1.25	3.10	3.43
LEW	02	1392	752.32	1180.79	43.70	62.69	212.46	450.39	7.55	4.36	1.02	0.41	1.22	2.91
GLV	02	1277	352.46	507.71	626.60	526.38	193.05	441.24	4.24	3.88	3.55	3.56	3.18	3.68
DUN	01	944	535.33	285.59	548.09	609.60	216.26	438.97	4.94	3.79	3.28	3.72	1.84	3.52
BOT	01	1631	1201.43	67.97	383.33	95.38	155.28	380.68	6.51	0.54	5.02	1.17	1.82	3.01
ROB	01	1088	304.20	170.20	542.18	409.43	23.43	289.89	2.39	2.18	3.08	2.82	0.16	2.12
PJN	01	139	34.80	438.23	775.19	65.57	74.81	277.72	0.16	1.83	1.87	1.93	0.92	1.34
BUC	02	157	501.15	3.96	1.57	261.59	602.70	274.19	4.26	0.04	0.01	2.04	3.04	1.88
MIL	02	1375	463.03	275.62	325.54	7.71	233.09	261.00	3.80	1.63	4.10	0.16	3.74	2.69
CAB	01	1193	392.54	79.74	98.33	96.59	627.95	259.03	3.87	2.36	2.18	3.24	5.03	3.34
SCT	02	244	245.72	276.82	72.11	0.00	686.17	256.16	1.02	2.45	1.14	0.00	2.27	1.72
DOY	01	1572	77.67	306.63	277.37	476.78	137.57	255.20	1.27	3.04	3.66	4.09	1.07	2.62
HOL	02	478	96.14	220.56	177.24	130.90	642.37	253.44	0.69	1.18	1.34	5.13	0.86	1.84
GBS	02	451	826.09	118.94	139.71	26.59	146.11	251.49	8.81	1.83	4.38	0.46	1.55	3.41
GRH	02	790	309.73	662.50	121.65	9.13	137.03	248.01	6.54	5.36	2.14	0.12	0.20	2.87
HWD	02	1253	531.24	97.47	267.65	124.40	195.62	243.28	4.08	1.14	2.31	1.16	3.29	2.40
SPO	03	494	68.72	138.26	537.07	60.78	377.85	236.54	1.13	1.52	3.84	2.10	1.66	2.05
COL	01	321	0.00	2.67	1019.79	15.77	128.45	233.34	0.35	3.23	0.14	0.23	1.04	1.00
BCV	02	1525	380.35	496.92	52.57	12.80	204.88	229.50	4.47	3.31	1.19	0.24	1.38	2.12
SUM	02	593	651.09	272.92	25.92	1.60	182.99	226.90	2.19	2.46	0.14	0.02	1.30	1.22
NWB	01	603	261.59	71.80	307.72	185.19	291.32	223.52	1.62	0.28	3.49	1.31	1.06	1.55
GBY	03	760	535.02	35.06	257.11	73.27	214.87	223.07	3.57	0.19	1.02	0.23	1.95	1.39
GFS	06	1680	96.64	821.98	28.85	10.59	155.28	222.67	1.28	3.47	1.13	0.11	1.31	1.46
ROB	02	201	749.54	11.04	0.36	259.66	84.28	220.97	10.50	0.23	0.02	1.03	0.60	2.48
HOL	01	1997	75.06	440.95	123.28	348.89	109.53	219.54	0.98	1.34	1.16	0.00	2.51	1.50
TRN	02	486	305.16	60.19	345.53	318.17	57.82	217.37	1.39	1.00	3.39	1.29	0.51	1.52
DLK	03	1143	315.90	196.40	202.95	263.70	101.84	216.16	2.01	1.04	1.02	2.01	1.41	1.50
SPO	02	620	33.24	190.64	806.07	41.49	6.55	215.60	0.38	0.82	7.61	1.14	0.02	2.00
KEL	01	1806	29.19	5.98	611.81	345.31	9.11	200.28	0.74	0.06	4.68	2.09	0.14	1.54
GIL	01	778	220.34	10.37	115.20	374.41	279.69	200.00	1.02	0.08	1.03	1.07	1.07	0.86
PUL	02	1417	428.72	432.60	104.55	13.49	14.10	198.69	4.68	4.70	1.88	0.07	0.11	2.29
BVA	01	869	50.30	20.25	147.44	742.78	0.85	192.32	1.33	0.23	2.20	0.34	0.02	0.82
MOB	01	1149	694.00	196.63	2.58	52.95	6.49	190.53	6.10	2.48	0.03	3.05	0.05	2.34
ABC	02	994	155.01	519.62	84.35	99.39	91.83	190.04	1.14	2.81	1.58	1.06	0.93	1.51
MKS	01	465	54.11	8.45	42.14	329.95	505.46	188.02	0.31	0.12	0.47	3.60	2.94	1.49
WES	03	516	614.22	2.19	1.63	170.76	139.06	185.57	5.76	0.04	0.03	0.00	1.18	1.75
BCV	03	938	87.63	137.69	40.72	424.96	222.13	182.62	0.18	0.97	0.44	2.41	3.01	1.40
VIR	06	1106	372.32	314.24	9.43	115.27	87.57	179.76	1.94	1.16	0.13	1.44	1.20	1.17
RRD	09	1419	38.42	264.46	8.29	24.32	553.59	177.82	0.38	2.61	0.08	0.17	3.12	1.27

			Duration of Interruptions in Minutes						Outages per Customer (SAIFI)					
Customer														
<u>Substation</u>	<u>Fdr</u>	<u>Count</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>
HWD	08	1589	199.92	278.78	189.15	94.99	111.44	174.85	2.61	2.70	2.82	2.89	1.18	2.44
GAM	02	55	18.15	357.34	0.00	204.22	282.76	172.50	0.02	0.94	0.00	0.80	0.98	0.69
GIL	02	611	478.69	157.51	139.72	4.47	73.16	170.71	2.02	2.40	1.09	0.02	2.28	1.56
GDL	01	548	71.56	403.77	16.54	256.83	92.05	168.15	2.14	1.37	0.19	3.46	4.85	2.40
MOL	02	1084	1.75	474.29	64.11	150.00	132.36	164.50	0.02	2.44	1.09	0.00	2.30	1.46
SCT	01	653	4.74	15.29	402.69	81.11	308.68	162.50	0.04	0.09	1.42	0.35	2.70	0.92
WAV	02	193	2.30	88.54	11.31	600.94	105.54	161.73	0.03	0.52	0.02	2.52	1.06	0.83
LGL	01	339	99.85	0.40	247.95	263.48	186.36	159.61	1.06	0.02	1.04	5.22	3.17	2.10
BVS	01	1080	11.31	174.01	24.38	452.40	133.23	159.07	1.95	1.46	1.94	2.26	1.01	1.72
WES	02	751	685.37	3.73	74.08	10.57	12.84	157.32	6.06	0.07	0.76	2.05	1.08	2.00
BOT	03	1077	215.28	102.54	212.60	207.03	43.27	156.14	0.96	1.40	2.07	1.94	0.26	1.33
BHD	01	883	84.36	404.38	71.99	41.66	169.61	154.40	1.11	2.55	2.31	0.70	1.65	1.66
MMT	01	459	175.93	35.70	80.34	370.09	100.46	152.50	1.16	1.04	1.17	6.46	3.08	2.58
BFS	01	708	283.29	299.84	82.45	76.19	11.89	150.73	4.00	3.53	1.17	1.14	0.13	1.99
CLV	03	245	136.27	111.10	35.54	461.53	0.38	148.96	0.94	1.29	0.53	3.04	0.02	1.16
SPF	01	979	20.25	15.60	671.93	21.56	2.97	146.46	0.18	0.12	4.41	0.15	0.06	0.99
LAU	01	688	214.16	24.75	9.88	46.45	435.60	146.17	4.28	0.12	0.16	1.16	3.16	1.78
BCV	01	946	334.84	164.45	148.44	36.83	40.85	145.08	2.72	1.34	1.18	2.18	1.96	1.88
TRP	01	652	194.91	188.56	74.80	102.11	159.94	144.06	1.25	2.76	1.63	1.14	2.16	1.79
MSY	03	1307	308.88	271.36	9.36	94.31	26.54	142.09	3.37	2.74	0.19	1.15	0.20	1.53
CHA	01	2153	349.66	172.43	65.64	24.39	97.17	141.86	6.33	4.06	1.32	0.13	2.21	2.81
SCV	02	461	94.91	60.74	6.78	536.45	5.46	140.87	1.06	1.01	0.06	1.02	0.07	0.65
ABC	01	774	97.01	259.57	20.12	58.46	262.91	139.62	1.59	2.02	0.13	1.06	1.98	1.36
ISL	01	901	216.43	258.20	26.47	0.00	193.99	139.02	2.04	0.62	0.17	0.03	3.08	1.19
SUN	01	921	212.29	65.96	257.07	107.04	39.95	136.46	1.72	0.54	1.75	0.18	0.48	0.93
WES	01	388	55.61	15.73	177.49	427.62	5.05	136.30	5.15	0.11	3.98	2.10	1.03	2.47
SMV	01	1032	382.91	37.46	110.96	102.37	45.80	135.90	2.77	0.31	0.73	2.55	0.41	1.35
WAV	01	1227	87.40	185.09	20.06	194.95	189.73	135.44	1.61	1.16	0.20	1.24	1.06	1.05
GRH	01	705	89.59	301.26	258.67	24.51	2.80	135.37	3.27	3.27	2.37	1.19	1.79	2.38
WAL	02	1339	17.31	73.61	138.66	389.64	55.85	135.01	0.14	2.01	3.56	2.44	1.10	1.85
LET	01	1865	328.03	109.84	118.75	54.62	63.72	134.99	2.86	0.93	1.33	0.00	0.58	1.42
LGL	02	649	189.17	67.93	40.74	320.86	53.90	134.52	3.89	0.55	0.36	3.18	0.31	1.66
LOK	01	1030	279.84	192.35	53.02	115.16	30.42	134.16	6.67	2.36	0.98	1.15	0.49	2.33
GBY	02	885	378.84	5.53	49.33	13.48	223.50	134.14	3.17	0.05	0.23	0.14	1.03	0.92
CLK	02	407	471.37	18.01	39.00	107.69	25.74	132.36	1.09	0.26	1.15	3.04	0.23	1.16
BVA	03	635	214.68	9.98	340.79	79.33	12.08	131.37	2.07	0.19	1.30	0.61	0.17	0.87
BVS	04	1264	151.87	205.64	182.28	42.83	63.03	129.13	2.30	1.20	4.34	0.77	0.41	1.80
RBK	01	701	270.80	171.30	110.86	68.41	22.71	128.82	1.50	0.88	2.43	0.54	0.20	1.11
PUL	01	1746	539.26	10.99	42.35	9.73	39.12	128.29	4.34	0.10	0.21	1.16	0.31	1.22
CLV	01	963	234.39	64.67	59.60	208.82	67.24	126.94	4.10	3.14	1.17	0.28	0.53	1.85

			Duration of Interruptions in Minutes						Outages per Customer (SAIFI)					
Customer														
<u>Substation</u>	<u>Fdr</u>	<u>Count</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>
HWD	07	2690	53.70	58.09	27.26	290.85	204.41	126.86	1.81	1.89	1.09	2.11	4.38	2.26
MSY	02	816	20.59	276.02	113.82	209.06	13.25	126.55	1.05	2.05	1.33	2.38	0.14	1.39
KEN	03	2403	308.84	90.29	105.10	8.93	105.18	123.67	2.65	2.71	2.11	0.11	3.39	2.20
BIG	02	1024	67.00	109.77	6.29	241.47	193.19	123.54	2.16	1.14	0.03	5.08	1.11	1.90
BOT	02	699	375.26	5.61	106.04	120.42	4.33	122.33	3.37	0.06	1.11	1.08	0.07	1.14
PAS	02	975	27.93	91.12	149.95	258.68	79.67	121.47	0.26	1.96	1.45	1.39	1.31	1.27
MOL	04	1608	203.47	2.53	36.40	177.60	173.85	118.77	3.03	0.05	1.92	1.08	3.10	1.84
PEP	02	844	63.02	187.39	11.67	30.43	294.63	117.43	0.37	1.66	0.14	0.18	1.28	0.73
CHA	03	2055	0.00	20.76	364.68	108.44	90.84	116.94	0.00	0.25	3.33	1.36	2.32	1.82
VIR	07	331	98.57	95.62	13.37	243.19	133.85	116.92	0.78	0.94	0.24	1.72	2.15	1.16
SUM	01	1768	15.94	159.70	129.88	8.98	269.33	116.76	0.35	0.89	0.57	0.06	1.16	0.61
COB	01	906	144.26	10.19	139.79	190.77	90.06	115.02	3.07	0.12	2.08	3.55	1.05	1.97
TWG	01	672	273.59	2.78	0.12	7.91	288.87	114.65	1.51	0.05	0.02	0.13	2.54	0.85
LLK	03	221	335.90	35.16	117.17	75.26	9.35	114.57	2.53	1.25	0.63	1.58	0.13	1.22
MSY	04	469	209.26	219.46	41.61	78.24	16.97	113.11	2.00	1.04	0.24	1.14	0.21	0.93
SLA	08	413	6.31	285.22	260.24	5.93	0.69	111.68	0.12	5.73	2.00	0.06	0.01	1.58
TWG	03	266	167.02	5.26	110.37	31.23	241.12	111.00	3.03	0.09	1.04	0.37	2.08	1.32
DUN	02	886	17.38	14.13	10.33	425.79	85.54	110.63	1.07	0.15	0.08	2.13	1.33	0.95
FER	01	631	46.02	155.86	19.82	163.94	164.92	110.11	2.25	5.33	0.18	4.12	1.19	2.61
BCV	04	1076	5.60	481.74	25.69	12.38	22.84	109.65	0.05	1.16	1.07	0.08	1.15	0.70
CLV	02	862	370.45	109.60	10.05	6.53	50.62	109.45	7.13	1.42	0.46	0.09	0.34	1.89
OPL	01	435	127.52	173.28	49.64	64.56	124.84	107.97	0.86	1.36	0.30	1.15	1.16	0.96
SLA	13	1293	312.92	180.30	26.49	1.66	17.10	107.69	1.11	2.73	1.96	0.02	0.12	1.19
HWD	06	867	331.79	4.13	21.37	96.97	81.31	107.11	4.50	0.05	1.02	1.10	1.05	1.55
HWD	03	1441	201.31	1.79	3.20	319.38	9.48	107.03	2.11	0.01	0.05	2.22	0.07	0.89
MSY	01	101	17.70	221.80	194.59	70.39	26.63	106.22	0.16	1.09	1.93	1.00	0.51	0.94
VIR	02	1227	21.09	399.15	8.18	72.62	29.77	106.16	0.19	1.83	0.83	1.22	0.64	0.94
GLN	01	681	81.07	267.18	28.54	5.87	146.73	105.88	0.78	4.08	0.29	0.09	1.28	1.30
COB	02	1047	308.97	23.95	172.20	2.77	1.62	101.90	1.84	1.02	3.48	0.03	0.10	1.29
HBS	02	801	22.73	36.82	225.79	219.51	3.26	101.62	1.79	1.27	4.14	1.29	0.10	1.72
CHA	02	1197	38.68	94.51	258.27	16.91	97.56	101.19	1.19	1.11	2.78	0.24	2.25	1.52
GAM	01	1080	176.61	87.10	177.31	14.67	46.91	100.52	1.07	0.58	3.40	0.12	0.32	1.10
LLK	02	295	16.44	12.03	255.02	71.00	146.58	100.21	0.30	1.11	1.03	1.06	2.06	1.11
GLV	01	1037	39.19	108.43	20.22	268.34	52.61	97.76	1.24	1.25	0.22	3.84	3.18	1.95
WBC	01	806	152.95	89.18	70.62	2.81	171.76	97.46	2.62	1.80	1.41	0.10	2.84	1.75
LEW	01	1000	231.84	59.59	78.17	85.87	31.37	97.37	1.55	0.34	0.47	0.29	0.32	0.59
SLA	11	1111	7.08	9.78	230.75	120.29	107.76	95.13	1.10	0.13	3.15	1.05	1.06	1.30
CLK	04	72	19.91	30.00	353.97	47.56	8.96	92.08	0.18	0.22	2.01	1.99	0.99	1.08
PUL	03	834	0.00	2.82	76.60	307.91	69.76	91.42	0.00	0.02	1.42	2.27	2.09	1.45
SPR	01	697	21.82	169.88	2.06	260.21	2.24	91.24	0.15	1.11	0.01	2.00	0.04	0.66

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MOL	01	540	1.67	46.13	25.17	334.84	47.42	91.05	0.02	1.26	1.11	3.87	0.40	1.33
HWD	04	952	101.62	232.18	3.97	62.42	52.27	90.49	1.26	4.75	0.06	0.00	1.89	1.59
HWD	01	312	76.53	3.45	0.38	112.84	258.97	90.43	0.74	0.04	0.01	3.04	3.85	1.54
KBR	11	641	5.96	211.70	2.44	145.02	84.34	89.89	0.16	1.32	0.02	1.13	1.02	0.73
VIR	01	1014	76.07	90.69	21.13	99.31	159.59	89.36	1.48	1.08	0.28	2.20	3.04	1.61
FRN	02	589	323.03	59.29	4.77	7.24	50.11	88.89	2.07	0.40	0.05	0.06	0.21	0.56
PAS	01	997	133.42	111.68	30.03	145.90	22.28	88.66	1.74	2.69	1.04	2.15	1.10	1.75
KEL	02	1099	64.44	42.00	253.83	41.38	35.44	87.42	1.59	1.15	4.30	0.39	1.13	1.71
PHR	01	429	7.33	4.51	1.17	405.53	15.39	86.79	0.96	0.04	0.03	2.05	0.10	0.64
GBE	01	106	57.79	49.70	266.95	50.10	9.09	86.73	1.11	0.18	1.10	0.29	0.07	0.55
SJM	07	101	239.63	0.00	74.63	118.80	0.00	86.61	1.97	0.00	1.98	0.99	0.00	0.99
SLA	09	1637	34.64	123.12	31.43	77.14	158.93	85.05	0.21	2.99	1.61	1.07	3.08	1.79
PAB	05	869	234.34	4.51	47.43	122.78	12.84	84.38	1.36	0.12	2.46	2.09	0.20	1.25
OPL	03	389	140.09	11.09	66.66	186.72	9.13	82.74	1.36	0.09	0.61	2.23	0.12	0.88
NHR	02	529	41.95	7.11	236.65	2.51	122.07	82.06	0.30	0.11	2.80	0.04	2.30	1.11
KEN	02	570	295.20	12.43	49.03	17.86	31.04	81.11	2.18	0.15	1.07	0.00	0.19	0.89
OSP	01	1257	184.13	18.27	38.04	122.40	39.97	80.56	1.15	1.13	1.12	3.32	1.35	1.61
SLA	07	440	82.37	254.98	13.15	33.21	16.56	80.05	1.05	1.11	1.01	1.05	0.03	0.85
NCH	02	653	15.92	7.27	22.54	290.09	61.39	79.44	0.13	0.07	1.10	3.08	1.06	1.09
MOL	06	1401	7.15	49.62	79.91	39.64	218.68	79.00	0.08	1.07	4.02	0.07	1.16	1.28
MOL	08	1027	218.98	10.67	20.33	38.23	104.94	78.63	1.96	0.15	0.16	2.03	2.16	1.29
LEW	03	1109	137.55	51.91	6.01	51.80	144.56	78.37	0.89	0.47	0.06	1.47	1.86	0.95
MOB	02	579	26.79	3.03	191.19	145.61	24.72	78.27	2.08	0.02	1.26	0.86	0.18	0.88
HOW	01	341	93.40	0.13	42.57	137.81	114.44	77.67	0.28	0.01	0.69	0.92	0.05	0.39
NCH	01	251	10.49	48.13	65.37	115.12	145.11	76.84	0.09	0.28	0.15	1.19	2.12	0.77
GBS	01	713	2.39	18.82	92.67	83.47	184.16	76.30	1.00	0.52	2.10	2.07	2.25	1.59
RRD	04	552	2.23	139.90	4.89	4.04	212.74	72.76	0.02	2.03	0.07	0.05	1.91	0.82
SLA	12	923	29.13	67.52	69.62	179.98	5.73	70.40	1.33	1.38	1.20	1.35	0.08	1.07
BRB	03	951	56.17	31.83	82.65	135.78	43.59	70.00	2.27	1.04	1.23	1.10	1.09	1.35
BVA	02	914	7.54	67.74	213.62	55.55	1.88	69.27	0.14	0.66	3.89	1.75	0.03	1.29
TRN	01	191	40.55	0.00	41.82	243.51	19.50	69.08	0.44	0.00	0.21	1.95	0.16	0.55
SPO	01	662	21.17	7.16	246.85	6.38	60.82	68.48	1.04	0.10	1.84	0.07	0.66	0.74
GDL	05	1521	6.65	100.49	122.83	81.31	26.28	67.51	0.09	5.08	2.18	2.08	0.79	2.05
GAL	04	1234	306.15	3.59	16.61	3.19	5.60	67.03	2.57	0.08	1.15	0.03	0.12	0.79
FRN	01	771	7.38	12.87	110.67	172.01	31.05	66.80	0.21	0.28	2.03	5.60	0.20	1.66
CAT	01	546	43.19	10.34	188.34	38.50	51.07	66.29	0.35	0.26	2.80	1.09	0.41	0.98
GFS	08	659	19.90	215.56	0.02	38.35	53.09	65.38	0.13	1.97	0.00	1.01	0.99	0.82
ILC	01	864	12.60	4.38	85.04	6.43	212.44	64.18	0.15	0.06	1.09	2.12	2.26	1.14
KEN	04	2279	51.45	104.05	37.86	11.38	115.28	64.00	1.20	2.02	1.17	0.15	2.93	1.49
SUN	03	392	277.93	3.16	23.47	7.35	7.48	63.88	1.38	0.04	0.13	1.95	0.09	0.72

			Duration of Interruptions in Minutes						Outages per Customer (SAIFI)					
Customer														
<u>Substation</u>	<u>Fdr</u>	<u>Count</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>
OPL	02	845	31.75	71.79	113.11	76.68	23.24	63.31	0.19	1.06	2.14	1.17	1.10	1.13
RRD	03	370	0.12	3.44	94.60	216.29	1.78	63.25	0.00	0.06	1.02	1.34	0.05	0.50
SPR	02	783	3.65	15.80	1.85	5.91	287.33	62.91	0.04	0.10	0.02	0.03	1.32	0.30
WAL	04	1500	2.74	212.10	28.60	22.93	44.48	62.17	0.04	4.19	0.26	0.74	2.16	1.48
RRD	08	412	6.47	116.68	0.24	2.34	184.74	62.09	0.16	1.81	0.00	0.02	1.05	0.61
MIL	01	922	36.58	15.92	3.23	251.84	1.85	61.89	2.04	0.28	0.05	4.35	0.05	1.35
SJM	12	56	0.34	0.00	143.22	111.14	50.16	60.97	0.02	0.00	0.85	0.96	0.41	0.56
GBY	01	589	111.92	15.40	43.05	4.90	127.41	60.54	2.19	0.95	1.05	0.03	1.21	1.09
RVH	01	864	33.82	199.85	18.50	24.19	25.78	60.43	0.24	2.26	0.15	0.42	0.21	0.65
PEP	04	329	0.49	0.28	0.00	206.03	92.03	59.77	0.01	0.00	0.00	2.08	0.30	0.48
CLK	03	682	3.63	5.53	26.98	60.43	198.94	59.10	0.04	0.09	1.06	2.07	1.25	0.90
GOU	01	1231	6.55	5.08	158.29	118.79	5.78	58.90	0.03	0.05	1.99	1.84	0.95	0.97
GOU	02	1032	0.40	32.61	47.87	64.40	147.31	58.52	0.01	1.49	0.99	2.07	0.09	0.93
SJM	11	1434	8.54	43.17	34.27	183.42	22.99	58.48	0.10	0.66	0.67	2.18	0.17	0.76
GFS	01	330	90.39	0.00	4.54	0.00	196.89	58.36	2.18	0.00	1.06	0.00	2.26	1.10
BLK	02	1326	44.38	53.37	30.39	48.30	111.75	57.64	1.06	0.20	0.18	0.39	0.57	0.48
PEP	03	433	75.14	0.05	39.28	153.12	16.39	56.80	0.91	0.00	0.21	1.03	0.13	0.46
HUM	09	517	10.30	110.90	16.87	131.21	10.44	55.94	0.16	1.28	1.08	1.03	0.14	0.74
TWG	02	672	256.79	4.45	1.86	8.86	6.46	55.68	1.04	0.04	0.01	0.16	0.12	0.27
PAB	03	521	168.39	1.71	2.15	56.04	47.83	55.22	2.11	0.03	0.05	1.04	2.16	1.08
PEP	01	1095	19.34	0.83	232.04	14.05	3.95	54.04	0.13	0.01	1.02	0.07	0.04	0.25
KBR	05	439	2.39	231.32	31.04	1.27	1.51	53.51	0.07	2.38	0.30	0.04	0.05	0.57
RRD	05	48	57.77	0.00	4.69	204.92	0.00	53.48	1.40	0.00	0.02	2.98	0.00	0.88
BLK	01	1452	92.31	16.58	10.31	115.35	27.80	52.47	1.15	0.16	0.10	0.47	0.29	0.43
GFS	02	1420	38.69	0.04	19.21	75.07	129.20	52.44	0.44	0.00	1.12	1.09	3.73	1.28
SCR	01	939	96.22	22.81	63.29	2.68	74.43	51.89	2.03	0.26	1.26	0.02	1.02	0.92
MOL	09	1915	6.53	44.73	182.36	11.08	10.36	51.01	0.15	1.18	1.26	1.21	0.07	0.77
GAL	03	939	222.35	8.07	11.96	0.13	5.53	49.61	1.15	0.11	1.13	0.01	0.07	0.49
GAR	01	442	33.49	5.45	39.05	95.95	74.06	49.60	0.59	0.08	0.39	0.28	0.59	0.38
GOU	03	1675	14.29	149.45	36.26	37.35	9.44	49.36	0.17	3.83	2.16	2.07	1.00	1.85
GDL	02	1486	44.05	68.82	23.88	86.89	21.62	49.05	0.32	4.26	0.20	0.50	0.18	1.09
HUM	08	270	60.55	94.20	76.31	7.40	0.34	47.76	1.04	1.11	1.05	0.14	0.01	0.67
SPF	02	1610	62.36	27.52	85.99	21.24	41.50	47.72	0.38	0.25	2.06	0.15	0.33	0.63
PBD	01	517	6.03	101.57	59.81	0.00	66.76	46.84	0.04	1.43	0.20		0.68	0.59
HGR	01	642	16.61	2.38	17.01	187.45	9.69	46.63	2.06	0.05	0.22	1.12	0.09	0.71
KBR	08	331	203.25	17.37	8.28	2.30	0.06	46.25	0.59	0.24	0.10	0.04	0.01	0.20
GRH	03	751	120.35	38.81	17.85	15.17	35.81	45.59	3.55	3.28	0.20	0.20	0.09	1.46
BRB	04	1076	61.02	102.23	3.54	51.02	9.60	45.48	1.98	1.66	0.03	0.66	0.07	0.88
SJM	02	256	1.03	67.48	148.02	9.60	0.41	45.31	1.03	1.04	3.02	0.08	0.00	1.03
BLA	01	1216	92.16	5.96	66.85	11.52	49.90	45.28	0.47	0.08	0.42	0.08	0.44	0.30

			Duration of Interruptions in Minutes						Outages per Customer (SAIFI)					
Customer														
<u>Substation</u>	<u>Fdr</u>	<u>Count</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>
COL	02	992	0.00	0.00	0.00	0.00	44.89	44.89	0.00	0.00	0.00	0.00	0.31	0.31
WAL	05	1174	10.86	3.18	2.80	5.73	201.43	44.80	0.12	0.05	0.02	0.04	1.04	0.25
BVS	02	148	1.55	0.48	5.23	45.05	169.03	44.27	1.01	0.01	0.09	1.36	1.02	0.70
GDL	04	1317	101.16	61.73	17.32	17.60	15.74	42.71	3.97	3.08	0.16	0.09	0.13	1.49
MOL	05	466	96.67	30.81	9.25	54.65	21.59	42.59	1.17	0.18	0.15	4.67	0.17	1.27
HAR	01	659	4.28	26.50	33.50	129.42	8.77	40.49	0.03	0.26	0.39	1.24	0.01	0.39
BRB	05	696	29.44	58.86	9.29	99.72	4.06	40.27	2.08	1.67	0.10	1.10	0.09	1.01
HGR	02	496	6.08	6.34	3.74	172.90	6.21	39.06	0.10	0.09	0.08	1.10	0.00	0.27
HGR	03	500	3.77	0.11	7.52	166.88	0.04	35.66	0.04	0.01	0.08	1.03	2.95	0.82
GAN	02	392	32.61	105.80	3.95	29.00	3.54	34.98	0.25	1.01	0.06	1.11	0.04	0.49
VIC	02	1230	26.89	61.24	35.96	45.72	3.34	34.63	1.19	1.12	0.21	0.11	0.06	0.54
SLA	06	566	39.53	32.68	13.78	62.34	22.40	34.15	1.01	1.15	1.02	2.07	0.13	1.08
SJM	03	99	47.46	2.68	0.00	114.09	4.55	33.75	0.46	0.04	0.00	1.10	0.03	0.33
LEW	04	460	96.69	2.42	20.33	16.28	25.34	32.21	0.68	0.03	0.37	0.12	0.18	0.27
SJM	04	933	46.52	0.30	0.03	70.34	42.07	31.85	2.08	0.00	0.00	2.31	1.05	1.09
BUC	01	505	108.49	3.90	2.47	0.33	43.07	31.65	2.16	0.02	0.03	0.00	0.20	0.48
STG	01	323	13.91	109.06	22.88	10.58	1.23	31.53	0.13	1.07	0.18	0.11	0.02	0.30
CAR	02	988	2.40	6.13	95.12	39.68	13.78	31.42	0.08	0.09	1.04	0.12	0.11	0.29
SJM	13	898	1.64	2.46	14.69	93.98	43.43	31.24	0.03	0.03	1.04	1.36	0.29	0.55
HUM	07	356	0.00	0.00	29.00	0.04	123.93	30.60	0.00	0.00	1.00	0.00	0.00	0.33
STG	02	431	9.51	10.21	4.84	119.31	8.99	30.57	0.10	0.18	0.07	1.07	0.15	0.31
SCV	01	1354	45.01	29.29	19.53	38.32	18.92	30.21	2.59	1.01	0.24	0.27	0.15	0.85
SJM	08	191	140.55	0.56	0.00	9.19	0.00	30.06	0.95	0.01	0.00	0.03	0.00	0.20
BFS	02	896	3.70	37.62	31.97	5.07	69.88	29.65	0.05	0.07	1.01	0.05	1.79	0.60
HCT	01	449	53.59	7.61	68.66	1.02	13.67	28.91	0.27	0.07	0.56	0.04	0.11	0.21
WAL	06	200	103.63	4.40	11.14	9.10	12.20	28.09	0.99	0.06	0.17	0.12	0.13	0.29
HAR	02	467	2.66	51.00	1.14	82.67	1.32	27.76	0.02	1.91	0.01	1.07	2.00	1.00
STX	01	1034	10.18	6.14	101.35	10.21	10.62	27.70	0.18	0.07	3.11	0.14	0.12	0.73
GFS	05	667	15.30	3.80	60.58	28.33	29.46	27.49	0.12	1.03	1.02	0.16	0.07	0.48
GDL	03	554	22.57	21.25	3.32	35.94	48.31	26.28	0.16	2.10	0.03	0.35	0.26	0.58
CAT	02	498	34.47	0.81	10.18	1.55	78.28	25.06	0.46	0.02	0.29	0.03	0.51	0.26
GFS	04	76	82.19	1.49	0.00	12.00	2.89	24.64	0.41	0.03	0.00	0.16	0.11	0.18
VIR	08	1042	0.00	0.00	42.75	2.27	77.11	24.43	0.00	0.00	1.26	0.04	1.33	0.88
KBR	10	882	0.98	0.09	3.62	107.90	3.28	23.17	0.01	0.01	0.01	1.03	0.02	0.22
KBR	12	25	0.00	115.38	0.00	0.00	0.00	23.08	0.00	0.46	0.00	0.00	0.00	0.09
NHR	01	920	3.98	10.82	35.91	5.66	57.26	22.73	0.04	0.12	1.42	0.06	1.07	0.54
CAR	03	607	34.44	19.44	21.14	19.17	17.73	22.38	1.08	0.18	0.10	0.15	0.21	0.34
CAR	01	786	4.68	9.38	86.66	2.86	2.85	21.29	0.05	1.01	1.13	0.05	0.04	0.46
RRD	06	102	24.70	46.78	31.90	0.49	0.75	20.93	0.70	0.41	0.37	0.01	0.02	0.30
GDL	06	1504	4.85	16.63	43.68	10.34	27.75	20.65	0.06	0.39	1.19	0.12	0.98	0.55

			Duration of Interruptions in Minutes						Outages per Customer (SAIFI)					
Customer														
<u>Substation</u>	<u>Fdr</u>	<u>Count</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>
VIR	05	974	4.86	10.82	77.24	2.89	7.18	20.60	0.02	1.90	3.00	0.05	0.07	1.01
VIR	03	656	25.12	27.60	4.53	23.90	18.03	19.83	1.15	0.25	0.11	1.09	0.15	0.55
BRB	02	459	62.20	22.35	9.41	3.47	1.27	19.74	3.26	1.01	1.13	0.07	0.02	1.10
DLK	01	862	1.42	3.68	76.54	15.48	0.67	19.56	0.03	0.04	1.13	0.49	0.01	0.34
GAL	05	572	4.65	0.50	4.02	4.06	83.65	19.37	0.08	0.02	0.06	0.03	1.05	0.25
DLK	04	1361	3.66	47.32	19.23	20.03	6.28	19.30	0.04	0.56	1.07	0.18	0.07	0.38
VIC	01	704	5.27	53.14	10.30	12.17	9.51	18.08	0.10	1.05	0.16	0.13	0.08	0.30
RRD	07	580	70.21	4.22	2.77	7.26	1.29	17.15	1.03	0.06	0.06	0.09	0.03	0.25
BRB	01	498	33.83	26.61	14.47	4.86	3.05	16.56	1.97	0.99	2.05	0.05	0.06	1.02
HUM	04	264	0.00	0.00	75.79	4.53	0.00	16.07	0.00	0.00	1.08	0.04	1.02	0.72
COB	03	1326	27.15	1.32	28.70	4.19	14.07	15.08	1.92	0.02	1.07	0.05	0.14	0.64
GFS	03	325	2.81	6.83	0.48	4.33	59.22	14.73	0.08	0.01	0.01	0.05	2.03	0.44
SLA	10	1214	4.08	26.84	26.90	5.72	6.47	14.00	0.06	1.01	2.41	0.16	1.07	0.94
GAN	04	638	2.81	0.91	23.40	40.36	0.00	13.50	0.04	0.03	1.03	0.31	0.00	0.28
SJM	06	489	0.21	0.10	0.54	65.73	0.35	13.39	0.01	0.00	0.04	0.23	0.00	0.06
RRD	02	377	35.88	0.38	28.86	0.04	0.37	13.11	0.33	0.01	0.19	0.00	0.01	0.11
SLA	02	764	1.60	34.26	15.38	12.53	1.01	12.95	0.03	1.10	1.04	0.19	0.02	0.47
SPF	03	304	28.43	6.23	8.68	5.00	16.39	12.95	2.93	0.09	0.08	0.07	0.14	0.66
GFS	10	716	42.34	7.20	3.84	5.06	5.34	12.76	1.19	0.09	0.02	0.05	1.26	0.52
KBR	01	384	0.36	3.79	47.01	11.49	0.34	12.60	0.01	0.04	0.92	0.07	3.25	0.86
CAR	04	191	4.03	2.39	2.10	23.60	30.29	12.48	0.03	0.04	0.07	2.00	0.37	0.50
SLA	03	168	4.26	33.61	12.52	0.41	3.52	10.86	0.05	1.03	1.00	0.01	0.02	0.42
BVS	03	760	4.99	4.79	10.56	21.76	11.74	10.77	1.06	0.04	0.10	1.10	0.10	0.48
KBR	02	499	3.38	5.01	44.22	0.00	0.00	10.52	0.09	0.06	1.05	0.00	0.01	0.24
KBR	06	612	0.36	8.78	7.54	0.00	34.68	10.27	0.01	0.10	1.02	0.00	1.83	0.59
KBR	04	238	18.28	0.52	2.52	12.74	14.45	9.70	0.14	0.01	0.06	0.14	0.08	0.08
TNS	01	192	13.79	1.41	3.80	28.36	0.08	9.49	0.25	0.02	0.04	0.00	0.01	0.06
GAN	01	313	16.64	0.19	0.00	0.17	26.02	8.60	0.06	0.00	0.00	0.00	0.16	0.05
VIR	04	712	1.98	7.08	3.87	0.19	29.83	8.59	0.03	0.11	0.08	0.01	1.04	0.25
WAL	01	1395	7.81	14.46	2.89	10.26	3.60	7.80	0.09	2.03	0.11	0.07	0.05	0.47
BVJ	01	59	5.82	0.00	11.25	7.23	14.05	7.67	0.07	0.04	0.09	0.12	0.19	0.10
SLA	05	790	4.69	2.56	16.47	12.52	0.22	7.29	0.04	0.07	1.12	0.09	0.01	0.27
GAN	03	270	10.48	0.60	6.36	14.32	2.03	6.76	0.12	0.02	0.10	0.08	0.03	0.07
GFS	07	1329	6.76	4.91	8.04	10.44	1.91	6.41	0.07	0.07	0.12	0.14	0.03	0.09
RRD	10	461	1.05	9.53	1.46	14.73	5.18	6.39	0.02	0.17	0.01	0.21	0.04	0.09
ILC	02	1002	6.66	2.81	7.60	0.89	13.44	6.28	0.09	0.04	0.09	0.07	0.18	0.09
CAT	03		0.05	1.54	2.81	0.91	23.40	5.74	0.00	0.00	0.00	0.00	0.00	0.00
WAL	07	743	0.02	6.53	3.61	12.66	5.38	5.64	0.00	0.09	0.05	0.17	0.04	0.07
HUM	01	490	0.18	18.28	2.00	5.33	1.52	5.46	0.01	1.17	0.06	0.07	0.00	0.26
KBR	03	301	5.61	0.30	0.85	4.19	10.77	4.35	0.11	0.01	0.02	0.08	0.00	0.04
GAL	01	447	0.74	6.74	2.70	2.17	8.87	4.24	0.01	0.06	0.05	0.04	1.09	0.25

<u>Substation</u>	<u>Fdr</u>	<u>Customer</u> <u>Count</u>	<u>Duration of Interruptions in Minutes</u>						<u>Outages per Customer (SAIFI)</u>					
			<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>Average</u>
KBR	09	1040	2.32	1.21	12.58	0.35	3.88	4.07	0.02	0.02	1.55	0.01	0.05	0.33
GFS	09	1	0.00	0.00	13.79	1.41	3.80	3.80	0.00	0.00	0.00	0.00	0.09	0.02
SJM	09	762	4.39	2.15	8.07	1.23	1.56	3.48	0.04	0.02	0.03	0.02	0.02	0.03
HBS	01	5	11.07	4.25	0.00	0.55	0.00	3.18	1.00	0.25	4.25	1.50	0.03	1.41
LAU	02	1	0.00	15.29	0.00	0.00	0.00	3.06	0.00	0.00	0.00	0.00	0.00	0.00
MUN	01	1	0.00	2.70	1.05	9.53	1.46	2.95	0.00	0.00	1.00	0.00	0.00	0.33
PAB	02	1	4.17	0.20	4.03	2.39	2.10	2.58	1.00	0.00	1.00	0.00	1.00	0.60
SCR	02	1	5.05	4.31	0.08	0.14	0.00	1.92	0.00	0.00	0.00	0.00	0.00	0.00
SJM	14	4	1.11	0.20	1.55	0.48	5.23	1.71	0.00	0.00	1.00	0.00	0.00	0.20
SJM	05	185	4.89	0.97	0.05	0.16	0.00	1.21	0.04	0.02	0.01	0.02	0.00	0.02
TRP	02	3	1.14	3.93	0.21	0.10	0.54	1.18	5.00	2.33	3.33	0.00	5.33	4.00
SJM	01	2	1.95	0.00	0.00	0.00	0.00	0.65	0.50	0.00	0.00	0.00	0.00	0.17
RRD	01	2	1.95	0.00	0.00	0.00	0.00	0.65	0.50	0.00	0.00	0.00	0.00	0.17
QTZ	01	2	0.00	0.50	0.00	0.00	0.00	0.17	0.00	0.50	0.00	0.00	0.00	0.17
KBR	07	198	0.00	0.55	0.00	0.00	0.05	0.12	0.00	0.01	0.00	0.00	0.01	0.00
RVH	02	38	0.00	0.00	0.00	0.00	0.00	0.00	0.67	4.67	11.33	0.24	0.00	0.37
SLA	01	49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MOL	03	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BIG	01	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NCH	03	3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SPR	04	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAB	06	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00