Q. <u>DISTRIBUTION</u>

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PUB 18.0 (RE: p. 49 & 50 of 73) Distribution Reliability Initiative (\$872,000)

4 5

PUB 18.1

6 7 8 Please provide for each of the five years summarized on p. 50 of 73 the average unscheduled distribution yearly interruption statistics for feeder GBY-02 (Carmanville/Gander Bay) excluding planned interruptions and loss of supply from NLH. Please include explanations for outages.

9 10 11

A. The table below provides a summary of the SAIFI and SAIDI statistics for GBY-02 for the period 1999 to 2003 inclusive.

12 13

Newfoundland Power Inc. Feeder GBY-02 (Carmanville/Gander Bay) Unscheduled Distribution Outage Performance Indicators (Excluding Loss of Supply from NLH)

Year	Total Customer Interruptions	Total Customer Minutes		Total SAIDI
1999	6,716	687,221	7.75	13.21
2000	1,945	248,035	2.17	4.64
2001	1,415	103,775	1.59	1.95
2002	2,950	481,559	3.27	8.90
2003	2,198	649,720	2.48	12.19

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Attachment A contains the details of the individual outages including the cause of the outages for this feeder.

Interruption Details – Unscheduled NP Distribution on Feeder GBY-02

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 85307 Outage Ticket:

Started: 1999-02-22 02:15PM **Ended:** 1999-02-22 02:59PM

Duration: 44 - Minutes # of Customers: 10 Customer Minutes: 440

Cause: BROKEN OR DEFECTIVE EOUIPMENT Comments: CREW RE-TIED FLOATING PHASE

Interruption #: 85657 Outage Ticket:

Started:1999-03-01 01:20PMEnded:1999-03-01 02:45PM

Duration: 85 - Minutes # of Customers: 6 Customer Minutes: 510

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL LEAD IN CUT-OUT

.....

Interruption #: 86857 Outage Ticket:

Started: 1999-04-01 03:43PM **Ended:** 1999-04-01 06:45PM

Duration: 182 - Minutes # of Customers: 1 Customer Minutes: 182

Cause: BROKEN OR DEFECTIVE EQUIPMENT Comments: FREDERICKTON REPAIRS TO SERVICE

Interruption #: 88077 Outage Ticket:

 Started:
 1999-05-22 04:45AM

 Ended:
 1999-05-22 05:30AM

Duration: 45 - Minutes # of Customers: 10 Customer Minutes: 450

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: CARMANVILLE TRF LEAD

_ . ..

Interruption #: 88080 Outage Ticket:

Started: 1999-05-26 01:30PM **Ended:** 1999-05-26 05:00PM

Duration: 210 - Minutes # of Customers: 1 Customer Minutes: 210

Cause: BROKEN OR DEFECTIVE EOUIPMENT Comments: LADLE COVE REPL 75 KVA TRF

.....

Interruption #: 88115 Outage Ticket:

 Started:
 1999-05-28 10:00AM

 Ended:
 1999-05-28 10:37AM

Duration: 37 - Minutes # of Customers: 832 Customer Minutes: 30784

Cause: UNEXPLAINED

Comments: CARMANVILE GBY 02 FEEDER ON NON RECLOSE @ TIME OFF

.....OUTAGE

Interruption #: 88700 Outage Ticket:

 Started:
 1999-06-28 08:57AM

 Ended:
 1999-06-28 02:00PM

Duration: 303 - Minutes # of Customers: 1 Customer Minutes: 303

Cause: LIGHTNING

Comments: DAVIDSVILLE LIGHTNING

Time: 04:25PM Page 1 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 89132 Outage Ticket:

Started: 1999-07-05 10:48AM **Ended:** 1999-07-05 12:00PM

Duration: 72 - Minutes # of Customers: 1 Customer Minutes: 72

Cause: LIGHTNING

Comments: CARMANVILLE LIGHTNING

.....

Interruption #: 89891 Outage Ticket:

Started: 1999-08-07 10:50PM **Ended:** 1999-08-07 11:59PM

Duration: 69 - Minutes # of Customers: 2 Customer Minutes: 138

Cause: LIGHTNING

Comments: MAIN POINT LIGHTNING

.....

Interruption #: 89924 Outage Ticket:

Started: 1999-08-09 10:15AM **Ended:** 1999-08-09 01:30PM

Duration: 195 - Minutes # of Customers: 1 Customer Minutes: 195

Cause: LIGHTNING

Comments: CARMANVILLE REPL TRF.

.....

Interruption #: 90403 Outage Ticket:

 Started:
 1999-09-12 03:10PM

 Ended:
 1999-09-12 04:50PM

Duration: 100 - Minutes # of Customers: 5 Customer Minutes: 500

Cause: ANIMALS (RODENTS ETC.)
Comments: CARMANVILLE REPL FUSE

Interruption #: 90574 Outage Ticket: Started: 1999-09-23 02:14PM

Started: 1999-09-23 02:14PM **Ended:** 1999-09-23 02:50PM

Duration: 36 - Minutes # of Customers: 1 Customer Minutes: 36

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: CARMANVILLE FAULTY FUSE

Interruption #: 90579 Outage Ticket:

 Started:
 1999-09-26 12:12PM

 Ended:
 1999-09-26 03:31PM

Duration: 199 - Minutes # of Customers: 1 Customer Minutes: 199

Cause: DAMAGES OUTSIDE PARTY

Comments: CARMANVILLE BOAT HIT POWER SUPPLY @ WHARF

......

Interruption #: 91651 Outage Ticket:

Started: 1999-10-19 05:00AM **Ended:** 1999-10-19 10:10AM

Duration: 310 - Minutes # of Customers: 837 Customer Minutes: 259470

Cause: WIND

Comments: HEAVY WINDS & SNOW

Time: 04:25PM Page 2 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 91652 Outage Ticket:

Started: 1999-10-19 10:10AM **Ended:** 1999-10-19 01:15PM

Duration: 185 - Minutes # of Customers: 70 Customer Minutes: 12950

Cause: WIND

Comments: HEAVY WINDS & SNOW

.....

Interruption #: 91653 **Outage Ticket:**

Started: 1999-10-19 01:15PM **Ended:** 1999-10-19 01:25PM

Duration: 10 - Minutes # of Customers: 837 Customer Minutes: 8370

Cause: WIND

Comments: HEAVY WINDS & SNOW

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Interruption #: 91969 Outage Ticket:

Started: 1999-11-03 11:33AM **Ended:** 1999-11-03 01:35PM

Duration: 122 - Minutes # of Customers: 4 Customer Minutes: 488

Cause: BROKEN OR DEFECTIVE EQUIPMENT Comments: NOGGIN COVE REPL FUSE IN 25KVA

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Interruption #: 91973 Outage Ticket:

Started: 1999-11-07 03:24PM **Ended:** 1999-11-07 05:30PM

Duration: 126 - Minutes # of Customers: 3 Customer Minutes: 378

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: CARMANVILLE REPL. FUSE

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Interruption #: 91974 Outage Ticket: Started: 1999-11-12 10:53AM

Started: 1999-11-12 10:53AM **Ended:** 1999-11-12 12:40PM

Duration: 107 - Minutes # of Customers: 1 Customer Minutes: 107

Cause: OTHER

Comments: CARMANVILLE

.....

Interruption #: 92272 Outage Ticket:

Started:1999-11-28 10:33AMEnded:1999-11-28 02:33PM

Duration: 240 - Minutes # of Customers: 837 Customer Minutes: 200880

Cause: TREES IN LINE

Comments: CARMANVILLE TREE ON LINE

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Interruption #: 92709 Outage Ticket:

Started: 1999-12-18 12:03PM **Ended:** 1999-12-18 02:25PM

Duration: 142 - Minutes # of Customers: 837 Customer Minutes: 118854

Cause: TREES IN LINE

Comments: GBY-02 R TRIPPED TREE ACROSS LINE

......

Time: 04:25PM Page 3 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 92710 Outage Ticket:

Started: 1999-12-18 02:25PM **Ended:** 1999-12-18 02:32PM

Duration: 7 - Minutes # of Customers: 788 Customer Minutes: 5516

Cause: TREES IN LINE

Comments: GBY-02 R TRIPPED TREE ACROSS LINE

.....

Interruption #: 92711 **Outage Ticket:**

Started:1999-12-18 02:32PMEnded:1999-12-18 02:35PM

Duration: 3 - Minutes # of Customers: 837 Customer Minutes: 2511

Cause: TREES IN LINE

Comments: GBY-02 R TRIPPED TREE ACROSS LINE

.....

Interruption #: 92712 Outage Ticket:

Started: 1999-12-18 02:35PM **Ended:** 1999-12-18 03:30PM

Duration: 55 - Minutes # of Customers: 788 Customer Minutes: 43340

Cause: TREES IN LINE

Comments: GBY-02 R TRIPPED TREE ACROSS LINE

.....

Interruption #: 92884 Outage Ticket:

Started:1999-12-15 04:18PMEnded:1999-12-15 04:55PM

Duration: 37 - Minutes # of Customers: 2 Customer Minutes: 74

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL FUSE IN CUTOUT

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Interruption #: 92885 Outage Ticket:

Started: 1999-12-15 07:22PM **Ended:** 1999-12-15 08:50PM

Duration: 88 - Minutes # of Customers: 3 Customer Minutes: 264

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL FUSE IN CUTOUT

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Interruption #: 93266 Outage Ticket:

 Started:
 2000-01-04 01:20AM

 Ended:
 2000-01-04 04:25AM

Duration: 185 - Minutes # of Customers: 1 Customer Minutes: 185

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: SERVICE BURNT OFF IN MIDSPAN - REPAIRED

......

Interruption #: 95533 Outage Ticket:

Started: 2000-05-13 08:26AM **Ended:** 2000-05-13 11:16AM

Duration: 170 - Minutes # of Customers: 897 Customer Minutes: 152490

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: CONDUCTOR ON GROUND -- REINSTALLED IN POLE

Time: 04:25PM Page 4 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 96936 Outage Ticket: 108548

Started: 2000-07-11 09:05PM **Ended:** 2000-07-11 11:40PM

Duration: 155 - Minutes # of Customers: 50 Customer Minutes: 7750

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: CARMANVILLE SOUTH REPL FAULTY CUTOUT IN SWITCH GBY-02-144

.....

Interruption #: 97017 Outage Ticket: 108790

Started: 2000-07-16 04:21PM **Ended:** 2000-07-16 06:35PM

Duration: 134 - Minutes # of Customers: 3 Customer Minutes: 402

Cause: UNEXPLAINED

Comments: CARMANVILLE PHARMACY REFUSED TRANSFORMER

.....

Interruption #: 97122 Outage Ticket: 109068

Started: 2000-07-21 08:55AM **Ended:** 2000-07-21 04:16PM

Duration: 441 - Minutes # of Customers: 50 Customer Minutes: 22050

Cause: DAMAGES OUTSIDE PARTY

Comments: POLE REPLACED AND GBY-02-144 (CARMANVILLE SOUTH) CLOSED.

Interruption #: 97230 Outage Ticket: 109125

Started: 2000-07-22 02:15PM **Ended:** 2000-07-22 02:40PM

Duration: 25 - Minutes # of Customers: 1 Customer Minutes: 25

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments:

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Interruption #: 97436 Outage Ticket: 109768

Started: 2000-08-05 09:35AM **Ended:** 2000-08-05 04:45PM

Duration: 430 - Minutes # of Customers: 33 Customer Minutes: 14190

Cause: BROKEN OR DEFECTIVE EOUIPMENT COMMEnts: CONDUCTOR ON GROUND-FIRE

......

Interruption #: 97537 Outage Ticket: 110191

 Started:
 2000-08-10 04:00PM

 Ended:
 2000-08-10 04:54PM

Duration: 54 - Minutes # of Customers: 897 Customer Minutes: 48438

Cause: PREVENTATIVE MAINTENANCE OR REPAIR

Comments: REP INSUL

.....

Interruption #: 97698 Outage Ticket: 110699

Started: 2000-08-20 02:47PM **Ended:** 2000-08-20 05:20PM

Duration: 153 - Minutes # of Customers: 5 Customer Minutes: 765

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments:

Time: 04:25PM Page 5 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 97733 Outage Ticket: 110717

Started: 2000-08-21 07:00AM **Ended:** 2000-08-21 11:35AM

Duration: 275 - Minutes # of Customers: 6 Customer Minutes: 1650

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments:

Interruption #: 98394 Outage Ticket: 112673

Started: 2000-09-21 01:45PM **Ended:** 2000-09-21 02:15PM

Duration: 30 - Minutes # of Customers: 1 Customer Minutes: 30

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL ALL CONN AT HSE

.....

Interruption #: 99236 Outage Ticket: 114691

Started: 2000-10-19 05:40PM **Ended:** 2000-10-19 06:40PM

Duration: 60 - Minutes # of Customers: 1 Customer Minutes: 60

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: SERV DROP

.....

Interruption #: 101799 Outage Ticket: 125341

 Started:
 2001-01-02 02:10PM

 Ended:
 2001-01-02 06:45PM

Duration: 275 - Minutes # of Customers: 4 Customer Minutes: 1100

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED SERVICE WIRES AND CONNECTIONS ON SECONDARY.

.....

Interruption #: 101876 Outage Ticket: 125638

Started: 2001-01-05 02:55PM **Ended:** 2001-01-05 03:05PM

Duration: 10 - Minutes # of Customers: 1 Customer Minutes: 10

Cause: FIRE

Comments: DISC AND REM SERV

Interruption #: 101886 Outage Ticket: 125660

 Started:
 2001-01-05 04:15PM

 Ended:
 2001-01-05 07:15PM

Duration: 180 - Minutes # of Customers: 3 Customer Minutes: 540

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: REPLACED SECONDARY LEADS IN 15 KVA XFMR 3 CUSTOMERS.

.....

Interruption #: 101926 Outage Ticket: 125909

Started: 2001-01-09 03:55PM **Ended:** 2001-01-09 05:30PM

Duration: 95 - Minutes # of Customers: 60 Customer Minutes: 5700

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: REPLACED FUSE

Time: 04:25PM Page 6 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 101946 Outage Ticket: 126061

Started: 2001-01-11 10:30AM **Ended:** 2001-01-11 10:45AM

Duration: 15 - Minutes # of Customers: 1 Customer Minutes: 15

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL CONN AT POLE

.....

Interruption #: 102327 Outage Ticket: 127669

 Started:
 2001-01-30 11:19AM

 Ended:
 2001-01-30 11:40AM

Duration: 21 - Minutes # of Customers: 897 Customer Minutes: 18837

Cause: EMPLOYEE OPERATING ERROR

Comments: FEEDER LOCKED OUT

.....

Interruption #: 102332 Outage Ticket: 127706

Started: 2001-01-30 01:40PM **Ended:** 2001-01-30 02:00PM

Duration: 20 - Minutes # of Customers: 2 Customer Minutes: 40

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPAIRED MAIN NEUTRAL

Interruption #: 102898 Outage Ticket: 130316

Started: 2001-02-22 06:13AM **Ended:** 2001-02-22 11:57AM

Duration: 344 - Minutes # of Customers: 140 Customer Minutes: 48160

Cause: BROKEN OR DEFECTIVE EQUIPMENT
Comments: REPLACED INS BEYOND DISCONNECT 230

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Interruption #: 104610 Outage Ticket: 136896

Started: 2001-05-14 04:25PM **Ended:** 2001-05-14 04:35PM

Duration: 10 - Minutes # of Customers: 1 Customer Minutes: 10

Cause: BROKEN OR DEFECTIVE EOUIPMENT CHANGED CONNECTIONS AT HOUSE

Interruption #: 104670 Outage Ticket: 137085

 Started:
 2001-05-17 03:00PM

 Ended:
 2001-05-17 03:25PM

Duration: 25 - Minutes # of Customers: 1 Customer Minutes: 25

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: ERN COLLINS NOGGIN CV REPLACED ALL CONNECTIONS

.....

Interruption #: 104698 Outage Ticket: 137156

Started: 2001-05-18 09:30PM **Ended:** 2001-05-19 12:05AM

Duration: 155 - Minutes # of Customers: 1 Customer Minutes: 155

Cause: BROKEN OR DEFECTIVE EOUIPMENT
Comments: CARMANVILLE REPLACED FUSE IN XMFR

.....

Time: 04:25PM Page 7 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 105075 Outage Ticket: 138384

Started: 2001-06-12 07:50PM **Ended:** 2001-06-12 09:25PM

Duration: 95 - Minutes # of Customers: 267 Customer Minutes: 25365

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: REPLACE BROKEN POLE-RTTED OFF AT BASE

Interruption #: 105418 Outage Ticket: 139548

Started: 2001-07-06 08:28AM **Ended:** 2001-07-06 10:10AM

Duration: 102 - Minutes # of Customers: 6 Customer Minutes: 612

Cause: BROKEN OR DEFECTIVE EQUIPMENT Comments: REPLACED CUTOUT AND XMFR FUSE

.....

Interruption #: 105459 Outage Ticket: 139638

Started: 2001-07-08 07:40PM **Ended:** 2001-07-08 10:05PM

Duration: 145 - Minutes # of Customers: 1 Customer Minutes: 145

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED 1 AMP FUSE IN 10KVA XFMR. 1 CUSTOMER.

Interruption #: 105462 Outage Ticket: 139646

Started: 2001-07-09 09:35AM **Ended:** 2001-07-09 11:55AM

Duration: 140 - Minutes # of Customers: 4 Customer Minutes: 560

Cause: BIRDS

Comments: REPLACED A 6 AMP IN A 50 KVA

Interruption #: 106128 Outage Ticket: 141892

Started: 2001-08-15 07:30PM **Ended:** 2001-08-15 07:45PM

Duration: 15 - Minutes # of Customers: 1 Customer Minutes: 15

Cause: BROKEN OR DEFECTIVE EOUIPMENT CHANGED ALL CONN AT HOUSE

......

Interruption #: 106362 Outage Ticket: 142518

 Started:
 2001-08-24 11:15PM

 Ended:
 2001-08-24 11:25PM

Duration: 10 - Minutes # of Customers: 7 Customer Minutes: 70

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPAIRED SPADE TERMINAL

......

Interruption #: 107676 Outage Ticket: 146589

Started: 2001-10-15 09:54PM **Ended:** 2001-10-15 11:59PM

Duration: 125 - Minutes # of Customers: 5 Customer Minutes: 625

Cause: BROKEN OR DEFECTIVE EOUIPMENT Comments: REPLACED A2 AMP IN A 25 KVA

Time: 04:25PM Page 8 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 107683 Outage Ticket: 146594

Started: 2001-10-16 10:00AM **Ended:** 2001-10-16 12:50PM

Duration: 170 - Minutes # of Customers: 6 Customer Minutes: 1020

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED FAULTY XMFR

.....

Interruption #: 107690 Outage Ticket: 146666

Started: 2001-10-16 07:54PM **Ended:** 2001-10-16 10:00PM

Duration: 126 - Minutes # of Customers: 6 Customer Minutes: 756

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACE BROKEN CUTOUT

.....

Interruption #: 108898 Outage Ticket: 150517

Started: 2001-11-29 08:14PM **Ended:** 2001-11-29 08:29PM

Duration: 15 - Minutes # of Customers: 1 Customer Minutes: 15

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: REPLACED ALL CONNECTIONS AT THE HOUSE

.....

Interruption #: 110524 Outage Ticket: 155581

Started: 2002-01-31 10:30AM **Ended:** 2002-01-31 11:30AM

Duration: 60 - Minutes # of Customers: 1 Customer Minutes: 60

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED CONN AT POLE

.....

Interruption #: 110843 Outage Ticket: 156586

Started: 2002-02-11 01:12PM **Ended:** 2002-02-11 03:09PM

Duration: 117 - Minutes # of Customers: 888 Customer Minutes: 103896

Cause: WIND

Comments: REPLACED INSULATOR AND PIN

......

Interruption #: 110983 Outage Ticket: 157066

Started: 2002-02-13 10:22PM **Ended:** 2002-02-14 12:30AM

Duration: 128 - Minutes # of Customers: 420 Customer Minutes: 53760

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED INSULATOR

......

Interruption #: 110984 Outage Ticket: 157066

Started: 2002-02-13 10:22PM **Ended:** 2002-02-14 01:40AM

Duration: 198 - Minutes # of Customers: 75 Customer Minutes: 14850

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED INSULATOR

Time: 04:25PM Page 9 Date: 2004-09-09

Current Customers Served: 879 **SAIFI: 17.32** Total Customers Affected: 15224 **SAIDI: 41.15** 2170310 **Total Customer Minutes:**

Interruption #: 111226 Outage Ticket: 157778

Started: 2002-02-23 08:01PM **Ended:** 2002-02-23 11:40PM

of Customers: 1 **Customer Minutes:** 219 **Duration:** 219 - Minutes

Cause: BROKEN OR DEFECTIVE EOUIPMENT

REPLACED ALL SERVICE CONNECTIONS AT POLE AND HOUSE. **Comments:**

Interruption #: 111888 Outage Ticket: 159917

Started: 2002-03-23 02:18AM **Ended:** 2002-03-23 05:45AM

of Customers: 100 **Customer Minutes:** 207 - Minutes 20700 **Duration:**

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: RETIE FLOATING PHASE.

Interruption #: 112071 Outage Ticket: 160285

Started: 2002-03-28 01:25PM **Ended:** 2002-03-28 01:45PM

of Customers: 1 **Customer Minutes:** 20 **Duration:** 20 - Minutes

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: REPLACED CONNECTIONS AT THE WEATHERHEAD.

......

Interruption #: 112362 Outage Ticket: 161402

Started: 2002-04-13 05:32PM **Ended:** 2002-04-13 08:30PM

of Customers: 100 **Customer Minutes:** 17800 **Duration:** 178 - Minutes

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: CUTOUT REPLACED

..... **Interruption #:** Outage Ticket: 164237

Started: 2002-06-01 12:40PM **Ended:** 2002-06-01 12:50PM

of Customers: 1 **Customer Minutes:** 10 **Duration:** 10 - Minutes

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED CONNECTIONS

113565

Interruption #: 113940 Outage Ticket: 165323

Started: 2002-06-24 11:43PM **Ended:** 2002-06-25 03:50AM

of Customers: 1 **Customer Minutes:** 247 **Duration:** 247 - Minutes

Cause: BROKEN OR DEFECTIVE EOUIPMENT

REPL 25 WITH 10 KVA **Comments:**

......

Interruption #: 114248 Outage Ticket: 166186

Started: 2002-07-02 10:00AM **Ended:** 2002-07-02 10:25AM

of Customers: 5 **Customer Minutes:** 125 25 - Minutes **Duration:**

Cause: BROKEN OR DEFECTIVE EQUIPMENT

REPLACED 6AMP FUSE IN 50KVA & 8AMP FUSE IN GBY-02 F126 **Comments:**

..... Time: 04:25PM Page 10 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 114250 Outage Ticket: 166164

Started: 2002-07-02 11:00AM **Ended:** 2002-07-02 11:35AM

Duration: 35 - Minutes # of Customers: 1 Customer Minutes: 35

Cause: BROKEN OR DEFECTIVE EOUIPMENT Comments: REPLACED CONN @ POLE & MAST

Interruption #: 114826 Outage Ticket: 167666

 Started:
 2002-07-24 09:22AM

 Ended:
 2002-07-24 01:00PM

Duration: 218 - Minutes # of Customers: 4 Customer Minutes: 872

Cause: BIRDS

Comments: FUSE BLOWN DUE TO CROW

.....

Interruption #: 114893 Outage Ticket: 167830

Started: 2002-07-26 10:10AM **Ended:** 2002-07-26 10:45AM

Duration: 35 - Minutes # of Customers: 10 Customer Minutes: 350

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: REPLACED 20 AMP FUSE IN TAP MAIN POINT

.....

Interruption #: 115783 Outage Ticket: 171419

 Started:
 2002-08-20 05:35AM

 Ended:
 2002-08-20 07:00AM

Duration: 85 - Minutes # of Customers: 20 Customer Minutes: 1700

Cause: LIGHTNING

Comments: REPLACED FUSE IN XMFR

.....

Interruption #: 115992 Outage Ticket: 171786

Started: 2002-08-22 04:27PM **Ended:** 2002-08-22 06:55PM

Duration: 148 - Minutes # of Customers: 3 Customer Minutes: 444

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACE CUTOUT ON XFMR

.....

Interruption #: 116456 Outage Ticket: 173036

 Started:
 2002-09-11 07:45AM

 Ended:
 2002-09-11 10:45AM

Duration: 180 - Minutes # of Customers: 7 Customer Minutes: 1260

Cause: BIRDS

Comments: REPLACED XMFR FUSE

......

Interruption #: 116841 Outage Ticket: 174799

Started: 2002-09-26 03:38PM **Ended:** 2002-09-26 05:20PM

Duration: 102 - Minutes # of Customers: 2 Customer Minutes: 204

Cause: BROKEN OR DEFECTIVE EOUIPMENT Comments: REPLACED A 2 AMP IN A 10 KVA

Time: 04:25PM Page 11 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 117261 Outage Ticket: 176452

Started: 2002-10-22 05:01PM **Ended:** 2002-10-22 08:30PM

Duration: 209 - Minutes # of Customers: 1 Customer Minutes: 209

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL SERVICE

.....

Interruption #: 117269 Outage Ticket: 176453

 Started:
 2002-10-23 01:30PM

 Ended:
 2002-10-23 02:30PM

Duration: 60 - Minutes # of Customers: 1 Customer Minutes: 60

Cause: BROKEN OR DEFECTIVE EQUIPMENT Comments: REPLACED SERV CONNECTIONS

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Interruption #: 117272 Outage Ticket: 176535

Started: 2002-10-23 09:35PM **Ended:** 2002-10-23 09:45PM

Duration: 10 - Minutes # of Customers: 1 Customer Minutes: 10

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED CONNECTIONS AT SERVICE POLE

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Interruption #: 117398 Outage Ticket: 177003

 Started:
 2002-10-29 11:30AM

 Ended:
 2002-10-29 12:30PM

Duration: 60 - Minutes # of Customers: 1 Customer Minutes: 60

Cause: BROKEN OR DEFECTIVE EQUIPMENT Comments: REPLACED SERV CONNECTIONS

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Interruption #: 117498 Outage Ticket: 177418

Started: 2002-11-04 10:30AM **Ended:** 2002-11-04 11:20AM

Duration: 50 - Minutes # of Customers: 1 Customer Minutes: 50

Cause: BROKEN OR DEFECTIVE EOUIPMENT Comments: REPLACED SERV CONNECTIONS

Interruption #: 117531 Outage Ticket: 177603

 Started:
 2002-11-06 07:39AM

 Ended:
 2002-11-06 11:08AM

Duration: 209 - Minutes # of Customers: 888 Customer Minutes: 185592

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: PRIMARY ON GROUND ON GBY-02/INSULATORS SHOT OFF ON GBY-03

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Interruption #: 117578 Outage Ticket: 177877

Started: 2002-11-10 05:43PM **Ended:** 2002-11-10 08:30PM

Duration: 167 - Minutes # of Customers: 1 Customer Minutes: 167

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: CHANGED ALL CONN AT POLE AND HOUSE

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Time: 04:25PM Page 12 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 117619 Outage Ticket: 169809

 Started:
 2002-08-14 06:08PM

 Ended:
 2002-08-14 07:00PM

Duration: 52 - Minutes # of Customers: 3 Customer Minutes: 156

Cause: LIGHTNING

Comments:

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Interruption #: 117680 Outage Ticket: 178233

 Started:
 2002-11-15 08:57AM

 Ended:
 2002-11-15 10:22AM

Duration: 85 - Minutes # of Customers: 12 Customer Minutes: 1020

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED FUSE IN XMFR

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Interruption #: 117699 Outage Ticket: 178325

Started: 2002-11-15 06:42PM **Ended:** 2002-11-15 10:00PM

Duration: 198 - Minutes # of Customers: 8 Customer Minutes: 1584

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL 37 WITH A 50

Interruption #: 117818 Outage Ticket: 178684

Started: 2002-11-20 12:57PM **Ended:** 2002-11-20 03:00PM

Duration: 123 - Minutes # of Customers: 10 Customer Minutes: 1230

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED XMFR FUSE

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Interruption #: 118585 Outage Ticket: 180820

Started: 2002-12-18 06:30AM **Ended:** 2002-12-18 09:37AM

Duration: 187 - Minutes # of Customers: 8 Customer Minutes: 1496

Cause: SALT SPRAY

Comments: REPLACED TAP FUSE

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Interruption #: 118587 Outage Ticket: 180825

 Started:
 2002-12-18 08:39AM

 Ended:
 2002-12-18 10:30AM

Duration: 111 - Minutes # of Customers: 80 Customer Minutes: 8880

Cause: SALT SPRAY

Comments: REPLACED TAP FUSE

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Interruption #: 118869 Outage Ticket: 181389

Started: 2002-12-27 10:30AM **Ended:** 2002-12-27 05:54PM

Duration: 444 - Minutes # of Customers: 40 Customer Minutes: 17760

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: REPAIRED PHASE

Time: 04:25PM Page 13 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 118872 Outage Ticket: 181799

Started: 2002-12-27 03:00PM **Ended:** 2002-12-27 06:00PM

Duration: 180 - Minutes # of Customers: 12 Customer Minutes: 2160

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACE FUSE

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Interruption #: 118954 Outage Ticket: 181579

 Started:
 2002-12-27 03:51PM

 Ended:
 2002-12-27 06:00PM

Duration: 129 - Minutes # of Customers: 150 Customer Minutes: 19350

Cause: WIND

Comments:

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Interruption #: 118979 Outage Ticket: 181773

Started: 2002-12-27 06:18PM **Ended:** 2002-12-28 01:00PM

Duration: 1122 - Minutes # of Customers: 12 Customer Minutes: 13464

Cause: WIND

Comments:

Interruption #: 118982 Outage Ticket: 182012

 Started:
 2002-12-28 09:36AM

 Ended:
 2002-12-28 11:45AM

Duration: 129 - Minutes # of Customers: 80 Customer Minutes: 10320

Cause: WIND

Comments:

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Interruption #: 119035 Outage Ticket: 182376

Started: 2002-12-31 12:41PM **Ended:** 2003-01-01 12:40PM

Duration: 1439 - Minutes # of Customers: 1 Customer Minutes: 1439

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED A CUTOUT

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Interruption #: 119036 Outage Ticket: 182460

Started: 2003-01-01 09:11AM **Ended:** 2003-01-01 11:50AM

Duration: 159 - Minutes # of Customers: 8 Customer Minutes: 1272

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED A CUTOUT

Interruption #: 119453 Outage Ticket: 184017

Started: 2003-01-20 11:20AM **Ended:** 2003-01-20 02:15PM

Duration: 175 - Minutes # of Customers: 1 Customer Minutes: 175

Cause: SALT SPRAY
Comments: REPL XMFR FUSE

Time: 04:25PM Page 14 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 120717 Outage Ticket: 187834

Started: 2003-02-14 01:50PM **Ended:** 2003-02-14 02:30PM

Duration: 40 - Minutes # of Customers: 180 Customer Minutes: 7200

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REFUSED TAP

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Interruption #: 120721 Outage Ticket: 187867

 Started:
 2003-02-14 03:50PM

 Ended:
 2003-02-14 11:38PM

Duration: 468 - Minutes # of Customers: 5 Customer Minutes: 2340

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED XMFR

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Interruption #: 121545 Outage Ticket: 191066

Started: 2003-03-09 01:23PM **Ended:** 2003-03-09 03:50PM

Duration: 147 - Minutes # of Customers: 1 Customer Minutes: 147

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED CUTOUT AT RITEWAY IN CARMANVILLE

Interruption #: 122487 Outage Ticket: 193711

 Started:
 2003-04-18 08:37AM

 Ended:
 2003-04-18 10:55AM

Duration: 138 - Minutes # of Customers: 75 Customer Minutes: 10350

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: RE-FUSED F124

Interruption #: 122789 Outage Ticket: 194412

Interruption #: 122789 Ou Started: 2003-05-01 09:40PM

Ended: 2003-05-01 10:10PM

Duration: 30 - Minutes # of Customers: 1 Customer Minutes: 30

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED CONNECTIONS

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Interruption #: 122812 Outage Ticket: 194466

 Started:
 2003-05-03 01:00PM

 Ended:
 2003-05-03 03:10PM

Duration: 130 - Minutes # of Customers: 6 Customer Minutes: 780

Cause: BIRDS

Comments: RE-FUSED TAP AND XFMR

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Interruption #: 124057 Outage Ticket: 197478

Started: 2003-06-27 03:08PM **Ended:** 2003-06-27 05:45PM

Duration: 157 - Minutes # of Customers: 100 Customer Minutes: 15700

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPAIRED N/CONDUCTOR

Time: 04:25PM Page 15 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 124215 Outage Ticket: 197881

Started: 2003-07-06 01:12AM **Ended:** 2003-07-06 07:50AM

Duration: 398 - Minutes # of Customers: 1 Customer Minutes: 398

Cause: LIGHTNING

Comments: REPLACED FUSE IN XMFR

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Interruption #: 124422 Outage Ticket: 198568

Started: 2003-07-16 03:35PM **Ended:** 2003-07-16 04:00PM

Duration: 25 - Minutes # of Customers: 101 Customer Minutes: 2525

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: GBY-02-F124 OPENED TO REPLACE BROKEN XFMR CUTOUT AT

......DAVIDSVILLE

Interruption #: 125711 Outage Ticket: 202751

Started: 2003-09-06 08:32AM **Ended:** 2003-09-06 10:25AM

Duration: 113 - Minutes # of Customers: 3 Customer Minutes: 339

Cause: DAMAGES OUTSIDE PARTY

Comments: CLOSED FUSE AFTER CAR HIT POLE

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Interruption #: 126279 Outage Ticket: 204596

 Started:
 2003-10-03 02:40AM

 Ended:
 2003-10-03 03:25AM

Duration: 45 - Minutes # of Customers: 150 Customer Minutes: 6750

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: GBY-02-F144 OPENED TO REPLACE FAULTY INSULATOR

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Interruption #: 126320 Outage Ticket: 204712

Started: 2003-10-05 11:28AM **Ended:** 2003-10-05 02:30PM

Duration: 182 - Minutes # of Customers: 6 Customer Minutes: 1092

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPLACED CUTOUT DOOR

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Interruption #: 126366 Outage Ticket: 204728

 Started:
 2003-10-05 10:05PM

 Ended:
 2003-10-06 02:00AM

Duration: 235 - Minutes # of Customers: 46 Customer Minutes: 10810

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: PRIMARY DOWN

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Interruption #: 126367 Outage Ticket: 204728

Started: 2003-10-05 10:05PM **Ended:** 2003-10-06 10:40AM

Duration: 755 - Minutes # of Customers: 167 Customer Minutes: 126085

Cause: BROKEN OR DEFECTIVE EOUIPMENT

Comments: PRIMARY DOWN

Time: 04:25PM Page 16 Date: 2004-09-09

Current Customers Served: 879
Total Customers Affected: 15224
Total Customer Minutes: 2170310

SAIFI: 17.32
SAIDI: 41.15

Interruption #: 126368 Outage Ticket: 204728

Started: 2003-10-05 10:05PM **Ended:** 2003-10-06 01:24AM

Duration: 199 - Minutes # of Customers: 673 Customer Minutes: 133927

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: PRIMARY DOWN

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Interruption #: 126369 Outage Ticket: 204728

 Started:
 2003-10-06 02:30AM

 Ended:
 2003-10-06 10:40AM

Duration: 490 - Minutes # of Customers: 673 Customer Minutes: 329770

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: PRIMARY DOWN

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Interruption #: 126410 Outage Ticket: 205024

Started: 2003-10-09 01:10PM **Ended:** 2003-10-09 01:40PM

Duration: 30 - Minutes # of Customers: 1 Customer Minutes: 30

Cause: BROKEN OR DEFECTIVE EQUIPMENT

Comments: REPL SERV CONN

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Time: 04:25PM Page 17 Date: 2004-09-09