

ATCO Electric

YUKON

May 4, 2016

Yukon Utilities Board
P.O. Box 31728
Whitehorse, Yukon Y1A 6L3

Attention: Deana Lemke, Yukon Utilities Board Executive Secretary

Dear Deana:

Re: Service Interruptions

In accordance with Board Decision 1989-5, attached is the summary of major unplanned outages for the months of January, February and March 2016. A major outage has, for the purposes of these reports, been defined as an interruption of any length involving either a significant number of customers or a small community.

Please contact me at 633-7080, if you require any additional information or clarification.

Yours Sincerely,

ATCO Electric Yukon



for Jay Massie,
Manager

JM:cm
Encl.

YUB\yubout16

Board Report (>50 Customers)

Service Area 580 Keno City

Date Reported 2016-01-12
 Outage Number MWG00227
 Planned Unplanned
 Sub Number S4452
 Line Number
 Location Keno City

Time Reported 15:10
 Time Interrupted 15:06
 Time Restored 15:09
 Primary Cause 22 YEC Generation/Transmission
 CEA Coding Loss of Supply - Yukon Energy

of Customers 54
 Avg. Customer Duration :03

Explanations and Comments
 Loss of Supply from YEC caused brief outage to Keno

Service Area 590 Lower Post

Date Reported 2016-01-13
 Outage Number CGK00032
 Planned Unplanned
 Sub Number 31
 Line Number 5L619
 Location Lower Post

Time Reported 11:14
 Time Interrupted 11:14
 Time Restored 12:00
 Primary Cause 4 Icing
 CEA Coding Adverse Weather

of Customers 90
 Avg. Customer Duration :46

Explanations and Comments
 Breaker S2989 opened due to snow loading causing a phase to ground fault

Service Area 576 Teslin

Date Reported 2016-01-14
 Outage Number RSM00395
 Planned Unplanned
 Sub Number S150
 Line Number 5L622
 Location Teslin

Time Reported 10:29
 Time Interrupted 10:29
 Time Restored 10:33
 Primary Cause 2 Trees
 CEA Coding Trees

of Customers 366
 Avg. Customer Duration :36

Explanations and Comments
 Tree fell across the 3 phase 34kV line causing breaker to open. Village of Teslin had a brief 3 minute outage until back up diesel came on line. Tree was removed & the remaining customers were energized

Service Area 576 Teslin

Date Reported 2016-01-15
 Outage Number RSM00396
 Planned Unplanned
 Sub Number S150
 Line Number 5L622
 Location Teslin

Time Reported 13:15
 Time Interrupted 13:15
 Time Restored 13:19
 Primary Cause 4 Icing
 CEA Coding Adverse Weather

of Customers 366
 Avg. Customer Duration :05

Explanations and Comments
 Breaker S9567 tripped off line, brief outage to the Village of Teslin until back up diesel generation came on line. Patrolled the line, found heavy ice loading & trees removed frost & trees, re energized remaining customers

Board Report (>50 Customers)

Service Area 573 Watson Lake

Date Reported 2016-01-15
 Outage Number CGK00033
 Planned Unplanned
 Sub Number 31
 Line Number 5L620
 Location Watson lake

Time Reported 20:52
 Time Interrupted 20:52
 Time Restored 21:40
 Primary Cause 2 Trees
 CEA Coding Trees

of Customers 241
 Avg. Customer Duration :48

Explanations and Comments
 Substation breaker opened causing outage, due to tree on the primary line

Service Area 573 Watson Lake

Date Reported 2016-01-25
 Outage Number CGK00036
 Planned Unplanned
 Sub Number 31
 Line Number 5L619
 Location Watson lake

Time Reported 17:10
 Time Interrupted 17:10
 Time Restored 18:15
 Primary Cause 2 Trees
 CEA Coding Trees

of Customers 90
 Avg. Customer Duration 1:05

Explanations and Comments
 Trees on the line broke the line causing outage to customers

Service Area 575 Carnacks

Date Reported 2016-02-18
 Outage Number RSM00400
 Planned Unplanned
 Sub Number S163
 Line Number 5L606
 Location Carnacks

Time Reported 11:28
 Time Interrupted 11:28
 Time Restored 11:31
 Primary Cause 13 YEC U/F Load Shed
 CEA Coding Loss of Supply - Yukon Energy

of Customers 311
 Avg. Customer Duration :00

Explanations and Comments
 Loss of Supply from YEC resulting in a brief outage to Carnacks until the back up generation came on line.

Service Area 571 Whitehorse

Date Reported 2016-02-26
 Outage Number RSM00402
 Planned Unplanned
 Sub Number 17
 Line Number 5L624
 Location Wh-Multiple Areas

Time Reported 10:19
 Time Interrupted 10:19
 Time Restored 11:05
 Primary Cause 9 Bird/Animal
 CEA Coding Foreign Interference

of Customers 1105
 Avg. Customer Duration :29

Explanations and Comments
 Breaker S9815 opened on phase to ground fault, patrolled line & re energized. Raven caused the fault.

Board Report (>50 Customers)



YUKON

Service Area 572 Haines Junction

Date Reported 2016-02-26
 Outage Number RSM00403
 Planned Unplanned
 Sub Number 20
 Line Number 5L607
 Location Haines Junction

Time Reported 12:46
 Time Interrupted 12:46
 Time Restored 12:50
 Primary Cause 22 YEC Generation/Transmission
 CEA Coding Loss of Supply - Yukon Energy

of Customers 546
 Avg. Customer Duration :04

Explanations and Comments
 Loss of supply when YEC L355 tripped causing breaker S9291 to open. Brief outage occurred until back up generation came on line.

Service Area 590 Lower Post

Date Reported 2016-02-26
 Outage Number JAB00020
 Planned Unplanned
 Sub Number 31
 Line Number 5L619
 Location Lower Post

Time Reported 12:05
 Time Interrupted 12:05
 Time Restored 13:06
 Primary Cause 4 Icing
 CEA Coding Adverse Weather

of Customers 88
 Avg. Customer Duration 1:01

Explanations and Comments
 Breaker S2984 opened due to ice & snow on the lines

Service Area 580 Keno City

Date Reported 2016-03-01
 Outage Number WPC00039
 Planned Unplanned
 Sub Number
 Line Number 3L403
 Location Keno City

Time Reported 16:00
 Time Interrupted 16:00
 Time Restored 16:01
 Primary Cause 22 YEC Generation/Transmission
 CEA Coding Loss of Supply - Yukon Energy

of Customers 54
 Avg. Customer Duration :01

Explanations and Comments
 Loss of Supply from YEC caused brief outage to Keno City

Service Area 571 Whitehorse

Date Reported 2016-03-05
 Outage Number WPC00041
 Planned Unplanned
 Sub Number 17
 Line Number
 Location Wh-Multiple Areas

Time Reported 14:18
 Time Interrupted 14:18
 Time Restored 15:29
 Primary Cause 9 Bird/Animal
 CEA Coding Foreign Interference

of Customers 7102
 Avg. Customer Duration 1:29

Explanations and Comments
 Breakers S6837, S6838, S9815 opened when a raven landed on the PT at MacIntyre Substation causing 5amp fuse to go. Customers power restored in stages.

Board Report (>50 Customers)

Service Area 571 Whitehorse

Date Reported 2016-03-08

Outage Number RSM00407

Planned Unplanned

Sub Number 11

Line Number 5L631

Location Wh-Multiple Areas

Time Reported 13:12

Time Interrupted 13:12

Time Restored 13:36

Primary Cause 9 Bird/Animal

CEA Coding Foreign Interference

of Customers 1157

Avg. Customer Duration :24

Explanations and Comments

Breaker S9833 opened and locked out caused by a squirrel on a single phase tap, breaker was on non-re-close at the time for crews to work safely in the area.

Service Area 579 Old Crow

Date Reported 2016-03-21

Outage Number MWG00241

Planned Unplanned

Sub Number

Line Number 3L306

Location Old Crow

Time Reported 11:45

Time Interrupted 18:31

Time Restored 18:38

Primary Cause 8 Equipment Failure

CEA Coding Defective Equipment

of Customers 60

Avg. Customer Duration :07

Explanations and Comments

Chartered a plane, serviceman flew in, determined fuse had pulled apart. Brief outage to change out other fuses as well.

Service Area 573 Watson Lake

Date Reported 2016-03-22

Outage Number CGK00038

Planned Unplanned

Sub Number 31

Line Number 5L619

Location Watson lake

Time Reported 11:12

Time Interrupted 11:12

Time Restored 11:24

Primary Cause 14 Unknown

CEA Coding Unknown/Other

of Customers 385

Avg. Customer Duration :12

Explanations and Comments

Breaker S7230 opened causing outage, no cause found at the time

Service Area 571 Whitehorse

Date Reported 2016-03-24

Outage Number RSM00411

Planned Unplanned

Sub Number 11

Line Number 5L631

Location Wh-Multiple Areas

Time Reported 10:40

Time Interrupted 10:40

Time Restored 10:59

Primary Cause 14 Unknown

CEA Coding Unknown/Other

of Customers 1157

Avg. Customer Duration :19

Explanations and Comments

Breaker S9833 opened on a fault, no cause found at the time

Board Report (>50 Customers)

Service Area 577 Destruction Bay

Date Reported 2016-03-29

Outage Number TRM00001

Planned Unplanned

Sub Number

Line Number

Location Destruction Bay

Time Reported 16:30

Time Interrupted 16:04

Time Restored 16:06

Primary Cause 8 Equipment Failure

CEA Coding Defective Equipment

of Customers 148

Avg. Customer Duration 24:02

Explanations and Comments

Voltage regulator malfunctioned causing diesel units to trip off line

Service Area 577 Destruction Bay

Date Reported 2016-03-30

Outage Number TRM00002

Planned Unplanned

Sub Number

Line Number

Location Destruction Bay

Time Reported 17:30

Time Interrupted 17:13

Time Restored 17:14

Primary Cause 12 Personnel Error

CEA Coding Human Element

of Customers 148

Avg. Customer Duration :01

Explanations and Comments

Power to the Community was being supplied by mobile generator. technologist accidentally switched off the mobile causing brief outage