



The Yukon Electrical Company Limited
An **ATCO** Company

January 10, 2012

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

Attention: Deana Lemke, Yukon Utilities Board Executive Assistant

Dear Deana:

Re: Service Interruptions

In accordance with Board Decision 1989-5, attached is the summary of major unplanned outages for the months of October, November and December 2011. 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 633-7003, if you require any additional information or clarification.

Yours sincerely,

THE YUKON ELECTRICAL COMPANY LIMITED

Dwight Redden,
General Manager

DR:cm
Encl.

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Board Report (>50 custs)



Service Area

Date Reported 2011-10-12 Time Reported 23:18
 Outage Number AMI00128 Time Interrupted 23:18
 Planned Unplanned Time Restored 1:45
 Sub Number 17 Primary Cause 9 Bird/Animal
 Line Number 5L624 CEA Coding Foreign Interference
 Location Whitehorse-Multiple Areas

of Customers 1105
 Avg. Customer Duration 2.45

Explanations Comments
 Pine martin climbed up pole caused B phase to ground fault locking out breaker S9815. Line patrolled before restoration was attempted.

Service Area

Date Reported 2011-11-01 Time Reported 11:50
 Outage Number DRR00263 Time Interrupted 13:30
 Planned Unplanned Time Restored 14:05
 Sub Number 6 Primary Cause 2 Trees
 Line Number 4L304 CEA Coding Trees
 Location Whitehorse-Porter Creek

of Customers 766
 Avg. Customer Duration 0.58

Explanations Comments
 Tree on the line-power was still on-emergency outage to S9403 to remove the tree.

Service Area

Date Reported 2011-11-10 Time Reported 11:40
 Outage Number WAF00262-571 Time Interrupted 11:40
 Planned Unplanned Time Restored : 0
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number WAF CEA Coding Loss of Supply - Yukon Energy
 Location

of Customers 6255
 Avg. Customer Duration 0.48

Explanations Comments
 Fish Lake on at 13:30. Underfrequency/voltage due to Generation loss. Breakers S6837, S6838, S150-52-22 open causing outage to Carcross, Tagish, Teslin, Whitehorse south, Porter Creek and parts of downtown.

Board Report (>50 custs)



Service Area

Date Reported 2011-11-19 Time Reported 18:30
 Outage Number BSP00213 Time Interrupted 18:30
 Planned Unplanned Time Restored 19:50
 Sub Number 28 Primary Cause 7 Overload
 Line Number 4L306 CEA Coding Defective Equipment
 Location Whitehorse-Range Road

of Customers 300
 Avg. Customer Duration 1.33

Explanations Comments

Fuse melted causing outage to 300 customers. Sectionalized the area, picked up the load in sections.

Service Area

Date Reported 2011-12-01 Time Reported 6:23
 Outage Number THB00265 Time Interrupted 6:23
 Planned Unplanned Time Restored 6:28
 Sub Number 20 Primary Cause 4 Icing
 Line Number 5L607 CEA Coding Adverse Weather
 Location

of Customers 498
 Avg. Customer Duration 0.08

Explanations Comments

High winds caused frost to clear from the lines causing a brief outage to the Village of Haines Junction

Service Area

Date Reported 2011-12-04 Time Reported 19:50
 Outage Number RTW00237 Time Interrupted 19:45
 Planned Unplanned Time Restored 19:55
 Sub Number 20 Primary Cause 2 Trees
 Line Number L355 CEA Coding Trees
 Location

of Customers 570
 Avg. Customer Duration 1.23

Explanations Comments

YEC lost L355, back up unit HJ1 started picking up half of the community, S9292 stayed open, removed a tree from the 3 phase, re energized. Canyon remained off until the YEC re energized the line to Haines Junction.

Board Report (>50 custs)



Service Area 572 Haines Junction

Date Reported 2011-12-04 **Time Reported** 22:30
Outage Number RTW00238 **Time Interrupted** 22:30
Planned Unplanned **Time Restored** :39
Sub Number 20 **Primary Cause** 2 Trees
Line Number 5L607 **CEA Coding** Trees
Location

of Customers 570
Avg. Customer Duration 2.39

Explanations Comments

Substation self protection breaker S9879 opened, had reports of lines down & tree on the lines, due to extreme winds. Removed 5 trees from various areas around town. Re energized.

Service Area 572 Haines Junction

Date Reported 2011-12-05 **Time Reported** 1:10
Outage Number RTW00239 **Time Interrupted** 1:10
Planned Unplanned **Time Restored** 1:15
Sub Number 20 **Primary Cause** 2 Trees
Line Number L355 **CEA Coding** Trees
Location

of Customers 560
Avg. Customer Duration 0.25

Explanations Comments

YEC briefly lost L355, substation breakers opened to pick up community on the back up diesel, closed breakers manually and restored community to the grid.

Service Area 574 Carcross

Date Reported 2011-11-10 **Time Reported** 11:40
Outage Number WAF00262-574 **Time Interrupted** 11:40
Planned Unplanned **Time Restored** :0
Sub Number 22 **Primary Cause** YEC Generation/Transm
Line Number 5L601 **CEA Coding** Loss of Supply - Yukon Energy
Location

of Customers 317
Avg. Customer Duration 0.23

Explanations Comments

Fish Lake on at 13:30. Underfrequency/voltage due to Generation loss. Breakers S6837, S6838, S150-52-22 opened causing outage to Carcross, Tagish, Teslin, Whitehorse south, Porter Creek and parts of downtown.

Board Report (>50 custs)



Service Area

Date Reported 2011-11-10 Time Reported 11:40 # of Customers 351
 Outage Number WAF00262-576 Time Interrupted 11:40 Avg. Customer Duration 0.19

Planned Unplanned
 Sub Number
 Line Number WAF
 Location
 Primary Cause 22 YEC Generation/Transm
 CEA Coding Loss of Supply - Yukon Energy

Explanations Comments
 Fish Lake on at 13:30. Underfrequency/voltage due to Generation loss. Breakers S6837, S6838, S150-52-22 open causing outage to Carcross, Tagish, Teslin, Whitehorse south, Porter Creek and parts of downtown. Backup generation did not start.

Service Area

Date Reported 2011-11-10 Time Reported 11:40 # of Customers 373
 Outage Number WAF00262-585 Time Interrupted 11:40 Avg. Customer Duration 0.23

Planned Unplanned
 Sub Number
 Line Number 5L600
 Location
 Primary Cause 22 YEC Generation/Transm
 CEA Coding Loss of Supply - Yukon Energy

Explanations Comments
 Fish Lake on at 13:30. Underfrequency/voltage due to Generation loss. Breakers S6837, S6838, S150-52-22 open causing outage to Carcross, Tagish, Teslin, Whitehorse south, Porter Creek and parts of downtown.

Service Area

Date Reported 2011-12-05 Time Reported 15:55 # of Customers 105
 Outage Number RGG00027 Time Interrupted 15:50 Avg. Customer Duration 1.75

Planned Unplanned
 Sub Number 31
 Line Number 5L620
 Location Upper Liard
 Time Restored 17:35
 Primary Cause 2 Trees
 CEA Coding Trees

Explanations Comments
 Received a call for power out. Patrolled the line, found tree on the line, removed and re energized.

Board Report (>50 custs)



Service Area

Date Reported 2011-11-10 Time Reported 11:40 # of Customers 458

Outage Number WAF00262-592 Time Interrupted 11:40 Avg. Customer Duration 0.23

Planned Unplanned Time Restored : 0

Sub Number Primary Cause 22 YEC Generation/Transm

Line Number 9L CEA Coding Loss of Supply - Yukon Energy

Location

Explanations Comments

Fish Lake on at 13:30. Underfrequency/voltage due to Generation loss. Breakers S6837, S6838, S150-52-22 opened causing outage to Carcross, Tagish, Teslin, Whitehorse south, Porter Creek and parts of downtown.