



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

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October 19, 2012

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 July, August and September, 2012. 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.

# Board Report (>50 custs)



Service Area

Date Reported 2012-07-11      Time Reported 10:15  
 Outage Number SS000373      Time Interrupted 11:20  
 Planned Unplanned      Time Restored 13:45  
 Sub Number 3      Primary Cause 8 Equipment Failure  
 Line Number 4L319      CEA Coding Defective Equipment  
 Location Whitehorse-Riverdale

# of Customers 484  
 Avg. Customer Duration 2.47  
**Explanations Comments**  
 Emergency outage taken to replace equipment damaged during storm.

Service Area

Date Reported 2012-07-27      Time Reported 18:15  
 Outage Number DJC00086      Time Interrupted 18:15  
 Planned Unplanned      Time Restored 18:35  
 Sub Number 17      Primary Cause 8 Equipment Failure  
 Line Number 5L624      CEA Coding Defective Equipment  
 Location Whitehorse-Multiple Areas

# of Customers 818  
 Avg. Customer Duration 1.68  
**Explanations Comments**  
 Original outage affected customers in Granger, McIntyre, Logan, Energized most of the customers except 217 in McIntyre. Sectionalized and restored power in stages to all customers except 37, power restored to these customers on the following day after repairs to the underground equipment were completed.

Service Area

Date Reported 2012-08-05      Time Reported 21:00  
 Outage Number RSM00183      Time Interrupted 21:00  
 Planned Unplanned      Time Restored 22:28  
 Sub Number 303      Primary Cause 9 Bird/Animal  
 Line Number 4L312      CEA Coding Foreign Interference  
 Location Whitehorse-Downtown

# of Customers 126  
 Avg. Customer Duration 1.47  
**Explanations Comments**  
 Squirrel blew transformer fuse, also blew 40amp fuse at S9940, tripping breaker S1023 at Shipyards Substation.

# Board Report (>50 custs)



Service Area

Date Reported 2012-08-10 Time Reported 12:10  
 Outage Number RSM00184 Time Interrupted 12:10  
 Planned Unplanned Time Restored 12:59  
 Sub Number 21 Primary Cause 9 Bird/Animal  
 Line Number 5L626 CEA Coding Foreign Interference  
 Location Whitehorse-Multiple Areas

# of Customers 1251  
 Avg. Customer Duration 0.82  
**Explanations Comments**  
 Phase to phase fault from a bird landing on substation switch caused outage to the north end of the city.

Service Area

Date Reported 2012-08-15 Time Reported 15:39  
 Outage Number RSM00185 Time Interrupted 15:39  
 Planned Unplanned Time Restored 15:54  
 Sub Number 17 Primary Cause 22 YEC Generation/Transm  
 Line Number 5L626 CEA Coding Loss of Supply - Yukon Energy  
 Location Whitehorse-Multiple Areas

# of Customers 2568  
 Avg. Customer Duration 0.25  
**Explanations Comments**  
 Loss of generation - YEC, caused outage to Crestview, Mayo Rd, Alaska Hwy N, & part of Porter Creek

Service Area

Date Reported 2012-09-05 Time Reported 14:08  
 Outage Number Ss000385 Time Interrupted 14:30  
 Planned Unplanned Time Restored 16:40  
 Sub Number 28 Primary Cause 2 Trees  
 Line Number 4L306 CEA Coding Trees  
 Location Whitehorse-Range Road

# of Customers 208  
 Avg. Customer Duration 2.17  
**Explanations Comments**  
 Tree on the primary line caused outage to Northlands customers

# Board Report (>50 custs)

**Service Area** 572 Haines Junction

<b>Date Reported</b> 2012-09-08	<b>Time Reported</b> 15:00
<b>Outage Number</b> DRK00280	<b>Time Interrupted</b> 14:50
<b>Planned</b> Unplanned	<b>Time Restored</b> 16:10
<b>Sub Number</b> 20	<b>Primary Cause</b> 22 YEC Generation/Transm
<b>Line Number</b> 0L	<b>CEA Coding</b> Loss of Supply - Yukon Energy
<b>Location</b>	

**# of Customers** 525  
**Avg. Customer Duration** 1.33

**Explanations Comments**  
 YEC breaker feeding Haines Junction opened (unknown cause) causing brief outage to Haines Junction. SCC operator closed the breaker power restored to the community.

**Service Area** 572 Haines Junction

<b>Date Reported</b> 2012-09-16	<b>Time Reported</b> 14:50
<b>Outage Number</b> RSM00194	<b>Time Interrupted</b> 14:44
<b>Planned</b> Unplanned	<b>Time Restored</b> 14:49
<b>Sub Number</b> 20	<b>Primary Cause</b> 22 YEC Generation/Transm
<b>Line Number</b> 3L355	<b>CEA Coding</b> Loss of Supply - Yukon Energy
<b>Location</b>	

**# of Customers** 514  
**Avg. Customer Duration** 0.08

**Explanations Comments**  
 YEC loss of generation caused brief outage to Haines Junction

**Service Area** 573 Watson Lake

<b>Date Reported</b> 2012-07-10	<b>Time Reported</b> 7:38
<b>Outage Number</b> RGG00049	<b>Time Interrupted</b> 7:30
<b>Planned</b> Unplanned	<b>Time Restored</b> 8:46
<b>Sub Number</b> 31	<b>Primary Cause</b> 2 Trees
<b>Line Number</b> 5L619	<b>CEA Coding</b> Trees
<b>Location</b> Watson Lake	

**# of Customers** 91  
**Avg. Customer Duration** 1.27

**Explanations Comments**  
 Power out. Isolated and patrolled. Removed tree from the line and restored power.

# Board Report (>50 custs)



Service Area 573 Watson Lake

Date Reported 2012-07-27 Time Reported 17:20  
 Outage Number RGG00051 Time Interrupted 17:15  
 Planned Unplanned Time Restored 17:46  
 Sub Number 31 Primary Cause 1 Lightning  
 Line Number 5L620 CEA Coding Lightning  
 Location Watson Lake

# of Customers 240  
 Avg. Customer Duration 0.52

**Explanations Comments**  
 Lightning storm caused breaker to open. 2 switches broken, and 5 transformers damaged

Service Area 573 Watson Lake

Date Reported 2012-08-27 Time Reported 22:45  
 Outage Number RGG00056 Time Interrupted 22:40  
 Planned Unplanned Time Restored 23:07  
 Sub Number 31 Primary Cause 21 YECL Plant Outage  
 Line Number 0L CEA Coding Loss of Supply - Yukon Electrical  
 Location Watson Lake

# of Customers 1000  
 Avg. Customer Duration 0.45

**Explanations Comments**  
 Outage to Watson Lake occurred when Unit #2 went off line, system was restored in stages.

Service Area 576 Teslin

Date Reported 2012-07-10 Time Reported 13:00  
 Outage Number BAC00130 Time Interrupted 12:15  
 Planned Unplanned Time Restored 17:40  
 Sub Number 27 Primary Cause 2 Trees  
 Line Number 5L613 CEA Coding Trees  
 Location

# of Customers 200  
 Avg. Customer Duration 5.42

**Explanations Comments**  
 Tree blown onto line due to high winds. Breaking 2 conductors on Nisutlin Dr.

# Board Report (>50 custs)



Service Area

Date Reported 2012-08-03 Time Reported 19:30  
 Outage Number RGG00054 Time Interrupted 19:15  
 Planned Unplanned Time Restored 19:45  
 Sub Number 31 Primary Cause 2 Trees  
 Line Number 5L621 CEA Coding Trees  
 Location Watson Lake

# of Customers 328  
 Avg. Customer Duration 0.50

**Explanations Comments**  
 Tree on line caused Breaker S7242 to open.

Service Area

Date Reported 2012-09-04 Time Reported 5:55  
 Outage Number RSM00189 Time Interrupted 5:50  
 Planned Unplanned Time Restored 7:24  
 Sub Number S257 Primary Cause 22 YEC Generation/Transm  
 Line Number 0L CEA Coding Loss of Supply - Yukon Energy  
 Location

# of Customers 56  
 Avg. Customer Duration 1.57

**Explanations Comments**  
 YEC lost generation causing outage to Keno City

Service Area

Date Reported 2012-09-05 Time Reported 18:30  
 Outage Number RSM00192 Time Interrupted 18:12  
 Planned Unplanned Time Restored 18:15  
 Sub Number 19 Primary Cause 22 YEC Generation/Transm  
 Line Number 5L617 CEA Coding Loss of Supply - Yukon Energy  
 Location

# of Customers 219  
 Avg. Customer Duration 0.05

**Explanations Comments**  
 YEC loss of generation caused outage to Ross River

# Board Report (>50 custs)



Service Area

Date Reported 2012-09-05 Time Reported 18:30  
 Outage Number RSM00190 Time Interrupted 18:11  
 Planned Unplanned Time Restored 19:03  
 Sub Number Unplanned Primary Cause 22 YEC Generation/Transm  
 Line Number 0L CEA Coding Loss of Supply - Yukon Energy  
 Location Pelly Crossing

# of Customers 179  
 Avg. Customer Duration 0.87

**Explanations Comments**  
 YEC loss of generation caused outage to Pelly Crossing

Service Area

Date Reported 2012-07-10 Time Reported 14:00  
 Outage Number ELB00100 Time Interrupted 13:45  
 Planned Unplanned Time Restored 23:50  
 Sub Number Unplanned Primary Cause 2 Trees  
 Line Number 5L600 CEA Coding Trees  
 Location Tagish

# of Customers 436  
 Avg. Customer Duration 11.19

**Explanations Comments**  
 Major windstorm -trees on the line in multiple locations Taku Subdivision, Tagish Estates, 6 Mile Road area, Tagish River Road area and Tagish Road

Service Area

Date Reported 2012-08-23 Time Reported 6:30  
 Outage Number SS000382 Time Interrupted 6:30  
 Planned Unplanned Time Restored 11:00  
 Sub Number 301 Primary Cause 8 Equipment Failure  
 Line Number 5L600 CEA Coding Defective Equipment  
 Location Tagish

# of Customers 157  
 Avg. Customer Duration 2.70

**Explanations Comments**  
 Pole on fire. Isolated, grounded, reframed pole and reenergized.

# Board Report (>50 custs)



Service Area 591 Upper Liard

Date Reported 2012-09-29 Time Reported 17:40  
Outage Number RGG00064 Time Interrupted 17:35  
Planned Unplanned Time Restored 18:54  
Sub Number 31 Primary Cause 2 Trees  
Line Number SL620 CEA Coding Trees  
Location Upper Liard

# of Customers 98

Avg. Customer Duration 1.32

### Explanations Comments

Tree contacted the main line. repaired line and restored power.