



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

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July 12, 2010

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

Attention: Shay Smart, Yukon Utilities Board Secretariat

Dear Shay:


Re: Service Interruptions

In accordance with Board Decision 1989-5, attached is the summary of major outages for the months of April, May and June 2010. 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

  
Jerome Babyn,  
General Manager

JB:cm  
Encl.

YUB\yabout10

# Board Report (>50 custs)

|                               |   |                                     |
|-------------------------------|---|-------------------------------------|
| <b>Service Area</b>           | 571 Whitehorse                            |                                     |
| <b>Date Reported</b>          | 2010-05-14                                | <b>Time Reported</b> 13:00          |
| <b>Outage Number</b>          | RJZ00229                                  | <b>Time Interrupted</b> 13:00       |
| <b>Planned</b>                | Planned                                   | <b>Time Restored</b> 15:10          |
| <b>Sub Number</b>             | 4L318                                     | <b>Primary Cause</b> 20 Maintenance |
| <b>Line Number</b>            | Whitehorse-Riverdale                      | <b>CEA Coding</b> Scheduled         |
| <b># of Customers</b>         | 74  |                                     |
| <b>Avg. Customer Duration</b> | 2.17                                      |                                     |
| <b>Explanations Comments</b>  | Planned power outage to complete brushing |                                     |

|                               |                |   |
|-------------------------------|----------------|---|
| <b>Service Area</b>           | 571 Whitehorse |   |
| <b>Date Reported</b>          | 2010-06-07     | <b>Time Reported</b> 10:07                      |
| <b>Outage Number</b>          | WAF100607-571  | <b>Time Interrupted</b> 10:07                   |
| <b>Planned</b>                | Unplanned      | <b>Time Restored</b> 10:22                      |
| <b>Sub Number</b>             | WAF            | <b>Primary Cause</b> 22 YEC Generation/Transm   |
| <b>Line Number</b>            | Whitehorse     | <b>CEA Coding</b> Loss of Supply - Yukon Energy |
| <b>Location</b>               |                |   |
| <b># of Customers</b>         | 4882           |   |
| <b>Avg. Customer Duration</b> | 0.31           |   |
| <b>Explanations Comments</b>  | WAF Outage.    |   |

|                               |   |                               |
|-------------------------------|---|-------------------------------|
| <b>Service Area</b>           | 574 Carcross  |                               |
| <b>Date Reported</b>          | 2010-06-12  | <b>Time Reported</b> 13:45    |
| <b>Outage Number</b>          | THB00224  | <b>Time Interrupted</b> 13:45 |
| <b>Planned</b>                | Unplanned   | <b>Time Restored</b> 15:15    |
| <b>Sub Number</b>             | 150   | <b>Primary Cause</b> 2 Trees  |
| <b>Line Number</b>            | 5L623   | <b>CEA Coding</b> Trees       |
| <b>Location</b>               | Carcross  |                               |
| <b># of Customers</b>         | 832   |                               |
| <b>Avg. Customer Duration</b> | 1.50  |                               |
| <b>Explanations Comments</b>  | Tree with 35 KV Carcross feeder caused S6839 to lockout(breaker on hotline tag due to extreme fire season hazard. |                               |

# Board Report (>50 custs)

|                      |  |   |
|----------------------|--|---|
| <b>Service Area</b>  | 575 Carmacks   |   |
| <b>Date Reported</b> | 2010-04-06   | <b>Time Reported</b> 7:30                       |
| <b>Outage Number</b> | PTM00099   | <b>Time Interrupted</b> 4:14                    |
| <b>Planned</b>       | Unplanned  | <b>Time Restored</b> 4:20                       |
| <b>Sub Number</b>    | 0L   | <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>      | System Outage  |   |
|                      | <b># of Customers</b> 291  |   |
|                      | <b>Avg. Customer Duration</b> 0.10   |   |
|                      | <b>Explanations Comments</b><br>OSS opened when Minto Mine tripped off line, diesel picked up load, unit taken off line at 0800hrs |   |

|                      |  |   |
|----------------------|--|---|
| <b>Service Area</b>  | 575 Carmacks   |   |
| <b>Date Reported</b> | 2010-05-30   | <b>Time Reported</b> 14:54                      |
| <b>Outage Number</b> | PTM0011  | <b>Time Interrupted</b> 14:54                   |
| <b>Planned</b>       | Unplanned  | <b>Time Restored</b> 15:00                      |
| <b>Sub Number</b>    | 0S   | <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>      | Carmacks   |   |
|                      | <b># of Customers</b> 291  |   |
|                      | <b>Avg. Customer Duration</b> 0.10   |   |
|                      | <b>Explanations Comments</b><br>Carmacks on diesel when fault on Minto Mine spur line- trees |   |

|                      |  |   |
|----------------------|--|---|
| <b>Service Area</b>  | 575 Carmacks   |   |
| <b>Date Reported</b> | 2010-06-07   | <b>Time Reported</b> 10:07                      |
| <b>Outage Number</b> | WAF100607-575  | <b>Time Interrupted</b> 10:07                   |
| <b>Planned</b>       | Unplanned  | <b>Time Restored</b> 10:13                      |
| <b>Sub Number</b>    | 0L   | <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>      | System Outage  |   |
|                      | <b># of Customers</b> 291  |   |
|                      | <b>Avg. Customer Duration</b> 0.10   |   |
|                      | <b>Explanations Comments</b><br>WAF Outage. Loss of Supply. Backup generation did start. |   |

# Board Report (>50 custs)

|                                |                     |                         |         |   |      |
|--------------------------------|---------------------|-------------------------|---------|---|------|
| <b>Service Area</b> 576 Teslin |                     |                         |         |   |      |
| <b>Date Reported</b>           | 2010-05-19          | <b>Time Reported</b>    | 6:58    | <b># of Customers</b>   | 91   |
| <b>Outage Number</b>           | DJC00033            | <b>Time Interrupted</b> | 6:55    | <b>Avg. Customer Duration</b>   | 0.65 |
| <b>Planned</b>                 | Unplanned           | <b>Time Restored</b>    | 7:34    | <b>Explanations Comments</b><br>Tree on the line tripped the Judas Creek breaker causing outage to customers on Alaska Hwy S to Teslin & the Cottage Lots |      |
| <b>Sub Number</b>              | S150                | <b>Primary Cause</b>    | 2 Trees |   |      |
| <b>Line Number</b>             | 5L622               | <b>CEA Coding</b>       | Trees   |   |      |
| <b>Location</b>                | Teslin-Cottage Lots |                         |         |   |      |

|                                |            |                         |         |   |      |
|--------------------------------|------------|-------------------------|---------|---|------|
| <b>Service Area</b> 576 Teslin |            |                         |         |   |      |
| <b>Date Reported</b>           | 2010-05-19 | <b>Time Reported</b>    | 6:58    | <b># of Customers</b>   | 290  |
| <b>Outage Number</b>           | DJC00034   | <b>Time Interrupted</b> | 6:55    | <b>Avg. Customer Duration</b>   | 0.65 |
| <b>Planned</b>                 | Unplanned  | <b>Time Restored</b>    | 7:34    | <b>Explanations Comments</b><br>Tree on the line caused breaker to trip. Back up started by local operator for Town of Teslin |      |
| <b>Sub Number</b>              | 27         | <b>Primary Cause</b>    | 2 Trees |   |      |
| <b>Line Number</b>             | 5L622      | <b>CEA Coding</b>       | Trees   |   |      |
| <b>Location</b>                | Teslin     |                         |         |   |      |

|                                |            |                         |             |  |      |
|--------------------------------|------------|-------------------------|-------------|--|------|
| <b>Service Area</b> 576 Teslin |            |                         |             |  |      |
| <b>Date Reported</b>           | 2010-06-21 | <b>Time Reported</b>    | 21:45       | <b># of Customers</b>  | 125  |
| <b>Outage Number</b>           | RSM00128   | <b>Time Interrupted</b> | 21:10       | <b>Avg. Customer Duration</b>  | 2.33 |
| <b>Planned</b>                 | Unplanned  | <b>Time Restored</b>    | 23:30       | <b>Explanations Comments</b><br>Breaker S7345 Teslin Sub tripped off, reports of lightning in the area. Reclosed & held. |      |
| <b>Sub Number</b>              | 27         | <b>Primary Cause</b>    | 1 Lightning |  |      |
| <b>Line Number</b>             | 5L613      | <b>CEA Coding</b>       | Lightning   |  |      |
| <b>Location</b>                | Teslin     |                         |             |  |      |

# Board Report (>50 custs)

|   |                 |                         |                                   |                               |      |   |  |  |  |
|---|-----------------|-------------------------|-----------------------------------|-------------------------------|------|---|--|--|--|
| <b>Service Area</b> 577 Destruction Bay |                 |                         |                                   |                               |      |   |  |  |  |
| <b>Date Reported</b>                    | 2010-04-20      | <b>Time Reported</b>    | 18:17                             | <b># of Customers</b>         | 150  |   |  |  |  |
| <b>Outage Number</b>                    | PTM00087A       | <b>Time Interrupted</b> | 18:17                             | <b>Avg. Customer Duration</b> | 0.02 |   |  |  |  |
| <b>Planned</b>                          | Unplanned       | <b>Time Restored</b>    | 18:18                             |                               |      | <b>Explanations Comments</b><br>Unit #1 on line and failed causing brief outage |  |  |  |
| <b>Sub Number</b>                       | 0L              | <b>Primary Cause</b>    | 21 YECL Plant Outage              |                               |      |   |  |  |  |
| <b>Line Number</b>                      | 0L              | <b>CEA Coding</b>       | Loss of Supply - Yukon Electrical |                               |      |   |  |  |  |
| <b>Location</b>                         | Destruction Bay |                         |                                   |                               |      |   |  |  |  |

|   |                 |                         |                       |                               |      |  |  |  |  |
|---|-----------------|-------------------------|-----------------------|-------------------------------|------|--|--|--|--|
| <b>Service Area</b> 577 Destruction Bay |                 |                         |                       |                               |      |  |  |  |  |
| <b>Date Reported</b>                    | 2010-06-15      | <b>Time Reported</b>    | 6:25                  | <b># of Customers</b>         | 150  |  |  |  |  |
| <b>Outage Number</b>                    | RAF00015        | <b>Time Interrupted</b> | 6:25                  | <b>Avg. Customer Duration</b> | 0.02 |  |  |  |  |
| <b>Planned</b>                          | Planned         | <b>Time Restored</b>    | 6:26                  |                               |      | <b>Explanations Comments</b><br>Planned test of fuel spill system. |  |  |  |
| <b>Sub Number</b>                       | 0L              | <b>Primary Cause</b>    | 11 Human Interference |                               |      |  |  |  |  |
| <b>Line Number</b>                      | 0L              | <b>CEA Coding</b>       | Human Element         |                               |      |  |  |  |  |
| <b>Location</b>                         | Destruction Bay |                         |                       |                               |      |  |  |  |  |

|                                      |              |                         |         |                               |      |  |  |  |  |
|--------------------------------------|--------------|-------------------------|---------|-------------------------------|------|--|--|--|--|
| <b>Service Area</b> 578 Beaver Creek |              |                         |         |                               |      |  |  |  |  |
| <b>Date Reported</b>                 | 2010-06-02   | <b>Time Reported</b>    | 16:07   | <b># of Customers</b>         | 60   |  |  |  |  |
| <b>Outage Number</b>                 | PTM00104     | <b>Time Interrupted</b> | 16:07   | <b>Avg. Customer Duration</b> | 3.32 |  |  |  |  |
| <b>Planned</b>                       | Unplanned    | <b>Time Restored</b>    | 19:14   |                               |      | <b>Explanations Comments</b><br>16:07 trees on Fdr 1 @2 locations, S1201 opened & closed fdr 1 @ 19:14. Trees removed and S1201 closed @ 20:15 |  |  |  |
| <b>Sub Number</b>                    | 0L           | <b>Primary Cause</b>    | 2 Trees |                               |      |  |  |  |  |
| <b>Line Number</b>                   | 0L           | <b>CEA Coding</b>       | Trees   |                               |      |  |  |  |  |
| <b>Location</b>                      | Beaver Creek |                         |         |                               |      |  |  |  |  |

# Board Report (>50 custs)

|                      |   |                               |
|----------------------|---|-------------------------------|
| <b>Service Area</b>  | 578 Beaver Creek  |                               |
| <b>Date Reported</b> | 2010-06-09  | <b>Time Reported</b> 17:05    |
| <b>Outage Number</b> | TGG00188  | <b>Time Interrupted</b> 17:05 |
| <b>Planned</b>       | Unplanned   | <b>Time Restored</b> 17:20    |
| <b>Sub Number</b>    | 3L401   | <b>Primary Cause</b> 2 Trees  |
| <b>Line Number</b>   | 3L401   | <b>CEA Coding</b> Trees       |
| <b>Location</b>      | Beaver Creek  |                               |
|                      | <b># of Customers</b> 73  |                               |
|                      | <b>Avg. Customer Duration</b> 0.62  |                               |
|                      | <b>Explanations Comments</b><br>Removed tree, refuse step up bank S7280 trouble shoot switch gear outage @ plant. |                               |

|                      |  |   |
|----------------------|--|---|
| <b>Service Area</b>  | 580 Keno City  |   |
| <b>Date Reported</b> | 2010-04-26   | <b>Time Reported</b> 15:25                      |
| <b>Outage Number</b> | RSM00113   | <b>Time Interrupted</b> 15:25                   |
| <b>Planned</b>       | Planned  | <b>Time Restored</b> 15:30                      |
| <b>Sub Number</b>    | S257   | <b>Primary Cause</b> 22 YEC Generation/Transm   |
| <b>Line Number</b>   | 3L405  | <b>CEA Coding</b> Loss of Supply - Yukon Energy |
| <b>Location</b>      | System Outage  |   |
|                      | <b># of Customers</b> 112  |   |
|                      | <b>Avg. Customer Duration</b> 0.09   |   |
|                      | <b>Explanations Comments</b><br>Planned outage for YEC to do work-Keno on back up diesel |   |

|                      |   |   |
|----------------------|---|---|
| <b>Service Area</b>  | 580 Keno City   |   |
| <b>Date Reported</b> | 2010-06-23  | <b>Time Reported</b> 9:05                       |
| <b>Outage Number</b> | RSM00131  | <b>Time Interrupted</b> 9:05                    |
| <b>Planned</b>       | Unplanned   | <b>Time Restored</b> 9:27                       |
| <b>Sub Number</b>    | S257  | <b>Primary Cause</b> 16 YEC System Outage       |
| <b>Line Number</b>   | 3L403   | <b>CEA Coding</b> Loss of Supply - Yukon Energy |
| <b>Location</b>      | Keno City   |   |
|                      | <b># of Customers</b> 55                                    |   |
|                      | <b>Avg. Customer Duration</b> 0.37                          |   |
|                      | <b>Explanations Comments</b><br>Loss of supply to Keno S257 |   |



# Board Report (>50 custs)

Service Area 582 Ross River

Date Reported 2010-06-26      Time Reported 14:14      # of Customers 218  
 Outage Number DRR00212      Time Interrupted 14:14      Avg. Customer Duration 0.08

Planned Unplanned      Time Restored 14:19  
 Sub Number      Primary Cause 14 Unknown  
 Line Number L356      CEA Coding Unknown/Other  
 Location Ross River

**Explanations Comments**  
 Yukon Energy line btwn Faro and Ross River tripped off causing a 5 minute outage while YECCL standby diesel came online. YEC flew line but didn't find anything- they suspect a tree. Put Ross River back on WAF grid at 1735.

Service Area 583 Pelly Crossing

Date Reported 2010-05-04      Time Reported 6:10      # of Customers 72  
 Outage Number RJZ00225      Time Interrupted 6:10      Avg. Customer Duration 1.00

Planned Unplanned      Time Restored 7:10  
 Sub Number 304      Primary Cause 14 Unknown  
 Line Number 3L408      CEA Coding Unknown/Other  
 Location Pelly Crossing

**Explanations Comments**  
 Part of Pelly out of power S9808 tripped on over current-nothing found power restored.

Service Area 583 Pelly Crossing

Date Reported 2010-05-30      Time Reported 14:54      # of Customers 177  
 Outage Number PTM00102      Time Interrupted 14:54      Avg. Customer Duration 0.55

Planned Unplanned      Time Restored 15:27  
 Sub Number 304      Primary Cause 22 YEC Generation/Transm  
 Line Number 0L      CEA Coding Loss of Supply - Yukon Energy  
 Location Pelly Crossing

**Explanations Comments**  
 Pelly outage when fault on Minto spur line-trees.



# Board Report (>50 custs)

Service Area

592 Marsh Lake

Date Reported 2010-06-07 Time Reported 13:15  
Outage Number RSM00126 Time Interrupted 13:15  
Planned Unplanned Time Restored 14:15  
Sub Number 11 Primary Cause 8 Equipment Failure  
Line Number 9L CEA Coding Defective Equipment  
Location Marsh Lake

# of Customers 536  
Avg. Customer Duration 1.00

### Explanations Comments

Broken tie on 34.5 KV line, found during patrol. Power was still on had Outage to repair.