

ATCO Electric

YUKON

September 26, 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 April, May and June 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 579 Old Crow

Date Reported 2016-04-26
 Outage Number RAF00001A

Planned Unplanned

Sub Number

Line Number

Location Old Crow

Time Reported 11:31
 Time Interrupted 11:31
 Time Restored 11:39

Primary Cause 21 YECL Plant Outage
 CEA Coding Loss of Supply - Yukon Electrical

of Customers 197
 Avg. Customer Duration :08

Explanations and Comments
 Operator doing oil change when both Units shutdown opening breakers causing a brief outage to the community

Service Area 577 Destruction Bay

Date Reported 2016-04-27
 Outage Number GTW00002

Planned Unplanned

Sub Number

Line Number

Location Destruction Bay

Time Reported 14:15
 Time Interrupted 13:50
 Time Restored 13:52

Primary Cause 21 YECL Plant Outage
 CEA Coding Loss of Supply - Yukon Electrical

of Customers 154
 Avg. Customer Duration :02

Explanations and Comments
 Brief outage to the community when Unit #2 shut down on hot water radiator alarm

Service Area 582 Ross River

Date Reported 2016-04-29
 Outage Number RSM00414

Planned Unplanned

Sub Number 19

Line Number 5L618

Location Ross River

Time Reported 9:32
 Time Interrupted 9:32
 Time Restored 9:35

Primary Cause 22 YEC Generation/Transmission
 CEA Coding Loss of Supply - Yukon Energy

of Customers 230
 Avg. Customer Duration :03

Explanations and Comments
 Loss of Supply from YEC when fault occurred on L356 , causing brief outage to Ross River

Service Area 577 Destruction Bay

Date Reported 2016-05-05
 Outage Number PTM00137

Planned Unplanned

Sub Number

Line Number

Location Destruction Bay

Time Reported 11:07
 Time Interrupted 11:07
 Time Restored 11:09

Primary Cause 21 YECL Plant Outage
 CEA Coding Loss of Supply - Yukon Electrical

of Customers 154
 Avg. Customer Duration :02

Explanations and Comments
 Brief outage when Unit #2 radiator was unable to keep up. Unit was taken out of service for cleaning.

Board Report (>50 Customers)



YUKON

Service Area 585 Tagish

Date Reported 2016-05-06
 Outage Number RSM00416A
 Planned Unplanned
 Sub Number S150
 Line Number 5L623
 Location Tagish

Time Reported 15:40
 Time Interrupted 16:40
 Time Restored 18:50
 Primary Cause 3 Wind
 CEA Coding Adverse Weather

of Customers 377
 Avg. Customer Duration 2:10

Explanations and Comments

Extreme wind caused outage. Tree came down on line damaging line equipment. Tree was removed, line was repaired. See DIR #RSM00416

Service Area 574 Carcross

Date Reported 2016-05-06
 Outage Number RSM00416
 Planned Unplanned
 Sub Number S150
 Line Number 5L623
 Location Carcross

Time Reported 15:40
 Time Interrupted 16:40
 Time Restored 18:50
 Primary Cause 3 Wind
 CEA Coding Adverse Weather

of Customers 344
 Avg. Customer Duration 2:10

Explanations and Comments

Extreme wind caused an outage. Tree damaged line equipment, tree was removed and line was repaired.

Service Area 576 Teslin

Date Reported 2016-05-06
 Outage Number RSM00417
 Planned Unplanned
 Sub Number S150
 Line Number 5L622
 Location Teslin

Time Reported 16:48
 Time Interrupted 16:48
 Time Restored 16:52
 Primary Cause 2 Trees
 CEA Coding Trees

of Customers 379
 Avg. Customer Duration :48

Explanations and Comments

Tree on the 34kV line to Teslin caused brief outage to Village of Teslin until backup diesel came on line. Crews located and removed tree re energized remaining 114 customers on Alaska Hwy S. re-energized 1919hrs.

Service Area 571 Whitehorse

Date Reported 2016-05-10
 Outage Number DLM000048
 Planned Unplanned
 Sub Number 303
 Line Number 4L413
 Location Wh-Downtown

Time Reported 11:30
 Time Interrupted 11:30
 Time Restored 12:30
 Primary Cause 9 Bird/Animal
 CEA Coding Foreign Interference

of Customers 754
 Avg. Customer Duration 1:00

Explanations and Comments

Breaker S1016 tripped off line when bird hit primary line causing outage to downtown area. Power restored in stages.

Board Report (>50 Customers)

Service Area 585 Tagish

Date Reported 2016-06-02
 Outage Number MWG00247B
 Planned Unplanned
 Sub Number 301
 Line Number 5L623
 Location Tagish

Time Reported 21:20
 Time Interrupted 21:20
 Time Restored 5:12
 Primary Cause 2 Trees
 CEA Coding Trees

of Customers 377
 Avg. Customer Duration 7:52

Explanations and Comments
 Large pine tree fell from out of the Right of Way on 3 phase 34kV line, breaking crossarm & line hardware. See DIR # MWG00247

Service Area 571 Whitehorse

Date Reported 2016-06-02
 Outage Number MWG00247
 Planned Unplanned
 Sub Number S150
 Line Number 5L632
 Location Wh-South Klondike

Time Reported 21:20
 Time Interrupted 21:20
 Time Restored 23:30
 Primary Cause 2 Trees
 CEA Coding Trees

of Customers 198
 Avg. Customer Duration 2:10

Explanations and Comments
 Large pine tree fell from out of the Right of Way on the 3 phase 34kV line, breaking a crossarm & line hardware. Trouble was isolated allowing for some customers to be re energized. Crews dispatched to replace damaged crossarm & line hardware. Power safely restored to all 975 customers at 0512hrs June 3rd.

Service Area 574 Carcross

Date Reported 2016-06-02
 Outage Number MWG00247A
 Planned Unplanned
 Sub Number 301
 Line Number 5L623
 Location Carcross

Time Reported 21:20
 Time Interrupted 21:20
 Time Restored 5:12
 Primary Cause 2 Trees
 CEA Coding Trees

of Customers 344
 Avg. Customer Duration 7:52

Explanations and Comments
 Large pine tree fell from out of the Right of Way on 3 phase 34kV line breaking crossarm and line hardware. See DIR # MWG00247.

Board Report (>50 Customers)

Service Area 571 Whitehorse

Date Reported 2016-06-03
 Outage Number WPC00049
 Planned Unplanned
 Sub Number 17
 Line Number 5L624
 Location Wh-Copperridge

Time Reported 5:40
 Time Interrupted 5:40
 Time Restored 6:00
 Primary Cause 14 Unknown
 CEA Coding Unknown/Other

of Customers 900
 Avg. Customer Duration :20

Explanations and Comments
 Breaker S9815 opened on a fault. Reclosed breaker, held. Line patrolled, no cause found at the time

Service Area 576 Teslin

Date Reported 2016-06-12
 Outage Number RGC00185
 Planned Unplanned
 Sub Number 27
 Line Number 5L613
 Location Teslin

Time Reported 7:10
 Time Interrupted 7:00
 Time Restored 17:45
 Primary Cause 9 Bird/Animal
 CEA Coding Foreign Interference

of Customers 265
 Avg. Customer Duration 7:27

Explanations and Comments
 Breaker S7345 opened on fault caused by ravens, line patrolled, restoration attempted, another fault was found on substation bus. Additional outage taken to S7352 to affect repairs in the substation.

Service Area 576 Teslin

Date Reported 2016-06-13
 Outage Number CAJ00114
 Planned Unplanned
 Sub Number 27
 Line Number 5L613
 Location Teslin

Time Reported 15:00
 Time Interrupted 14:50
 Time Restored 17:30
 Primary Cause 9 Bird/Animal
 CEA Coding Foreign Interference

of Customers 167
 Avg. Customer Duration 2:40

Explanations and Comments
 Breaker S7345 opened when squirrel contacted the line causing outage to part of Village of Teslin.

Service Area 576 Teslin

Date Reported 2016-06-14
 Outage Number RGC00187
 Planned Unplanned
 Sub Number 27
 Line Number 5L613
 Location Teslin

Time Reported 21:50
 Time Interrupted 21:30
 Time Restored 0:50
 Primary Cause 9 Bird/Animal
 CEA Coding Foreign Interference

of Customers 167
 Avg. Customer Duration 3:20

Explanations and Comments
 Breaker S7345 opened when raven contacted the line, causing outage to part of Village of Teslin, line patrolled and power restored.

Board Report (>50 Customers)

Service Area 571 Whitehorse

Date Reported 2016-06-16
 Outage Number DLM00050
 Planned Unplanned
 Sub Number 17
 Line Number 51626
 Location Wh-Porter Creek

Time Reported 18:49
 Time Interrupted 18:49
 Time Restored 19:30
 Primary Cause 14 Unknown
 CEA Coding Unknown/Other

of Customers 2422
 Avg. Customer Duration :41

Explanations and Comments
 Breaker S6838 opened on a phase to ground fault indicating animal contact

Service Area 573 Watson Lake

Date Reported 2016-06-19
 Outage Number JAB00026
 Planned Unplanned
 Sub Number 31
 Line Number 5L619
 Location Watson Lake

Time Reported 21:10
 Time Interrupted 21:00
 Time Restored 21:55
 Primary Cause 9 Bird/Animal
 CEA Coding Foreign Interference

of Customers 385
 Avg. Customer Duration :19

Explanations and Comments
 Breaker S3472 opened when raven contacted line, blowing a fuse, while refusing switch, the switch broke causing a fault to substation breaker S7230

Service Area 578 Beaver Creek

Date Reported 2016-06-23
 Outage Number PTM00138
 Planned Unplanned
 Sub Number
 Line Number
 Location Beaver Creek

Time Reported 8:28
 Time Interrupted 8:28
 Time Restored 8:38
 Primary Cause 21 YECL Plant Outage
 CEA Coding Loss of Supply - Yukon Electrical

of Customers 119
 Avg. Customer Duration :10

Explanations and Comments
 Brief outage to Beaver Creek when Unit #1 shut down. Cause under investigation.

Service Area 578 Beaver Creek

Date Reported 2016-06-28
 Outage Number PTM00139
 Planned Unplanned
 Sub Number
 Line Number
 Location Beaver Creek

Time Reported 13:51
 Time Interrupted 13:51
 Time Restored 13:54
 Primary Cause 21 YECL Plant Outage
 CEA Coding Loss of Supply - Yukon Electrical

of Customers 119
 Avg. Customer Duration :03

Explanations and Comments
 Brief outage to Beaver Creek when Unit #1 shut down. Cause under investigation.