

ATCO Electric

YUKON

February 12, 2019

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 Oct, Nov and Dec of 2018. 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\yub interruption report

Outages

Service Area 571 Whitehorse
Date Reported 2018-10-27
Outage Number BAC00313
Planned Unplanned
Sub Number S170 McIntyre
Line Number 6L16
Location Wh-Porter Creek
City/Town Whitehorse
Time Reported 11:10
First Interruption 12:50
Last Restoration 13:46
Primary Cause 13 YEC U/F Load Shed
CEA Coding Loss of Supply - Yukon Encl
Customer-Hrs of Interruption 2260:32
Number of Customers Affected 2422
Avg. Customer Outage Duration :56
Explanations and Comments
 S6838 tripped on underfrequency causing outage.

Service Area 576 Teslin
Date Reported 2018-12-27
Outage Number MPJ00288
Planned Unplanned
Sub Number 27 Teslin
Line Number 6L11
Location Teslin
City/Town Teslin
Time Reported 14:15
First Interruption 14:12
Last Restoration 14:23
Primary Cause 4 Icing
CEA Coding Adverse Weather
Customer-Hrs of Interruption 40:04
Number of Customers Affected 384
Avg. Customer Outage Duration 0:06
Explanations and Comments
 received calls from Teslin, chocked scada and 7569 opened. Plant fired up and restored breakers in teslin, contacted SCC and closed 7569.

Service Area 571 Whitehorse
Date Reported 2018-11-12
Outage Number MWG00361
Planned Unplanned
Sub Number 17 McIntyre
Line Number 6L16
Location Wh-Multiple Areas
City/Town Whitehorse
Time Reported 1:39
First Interruption 1:39
Last Restoration 2:45
Primary Cause 13 YEC U/F Load Shed
CEA Coding Loss of Supply - Yukon Encl
Customer-Hrs of Interruption 2322:10
Number of Customers Affected 2422
Avg. Customer Outage Duration :57
Explanations and Comments
 Stage 1 load shed due to YEC U/F generation issue. At the current time the outage is still under investigation. Customers were all back on the grid in 66 minutes.

Service Area 571 Whitehorse
Date Reported 2018-11-13
Outage Number MWG00362
Planned Unplanned
Sub Number 21 LaBerge
Line Number 5L645
Location Wh-North Klondike Hwy
City/Town Whitehorse
Time Reported 18:30
First Interruption 18:30
Last Restoration 19:04
Primary Cause 4 Icing
CEA Coding Adverse Weather
Customer-Hrs of Interruption 256:12
Number of Customers Affected 558
Avg. Customer Outage Duration 0:27
Explanations and Comments
 S8686 breaker outage due to snow loading and icing on trees. Multiple outages due to snow storm.

Outages

Service Area 571 Whitehorse
 Date Reported 2018-11-13
 Outage Number MWG00363
 Planned Unplanned
 Sub Number 21 LaBerge
 Line Number 5L645

Location Wh-North Klondike Hwy
 City/Town Whitehorse
 Time Reported 18:30
 First Interruption 22:36
 Last Restoration 22:38
 Primary Cause 4 Icing
 CEA Coding Adverse Weather

Customer-Hrs of Interruption 18:36
 Number of Customers Affected 558
 Avg. Customer Outage Duration 0:02

Explanations and Comments
 S8686 breaker outage due to snow loading and icing on trees. Multiple outages due to snow storm.

Service Area 577 Destruction Bay
 Date Reported 2018-12-01
 Outage Number RAF00126
 Planned Unplanned
 Sub Number
 Line Number

Location Destruction Bay
 City/Town Destruction Bay
 Time Reported 17:27
 First Interruption 17:27
 Last Restoration 17:29
 Primary Cause 14 Unknown
 CEA Coding Unknown/Other

Customer-Hrs of Interruption 5:08
 Number of Customers Affected 154
 Avg. Customer Outage Duration :02

Explanations and Comments
 unit 2 online, showed an overcurrent trip which caused the unit to trip offline causing the outage

Service Area 579 Old Crow
 Date Reported 2018-12-20
 Outage Number RAF00127
 Planned Unplanned
 Sub Number
 Line Number

Location Old Crow
 City/Town old crow
 Time Reported 3:09
 First Interruption 3:09
 Last Restoration 3:13
 Primary Cause 14 Unknown
 CEA Coding Unknown/Other

Customer-Hrs of Interruption 13:08
 Number of Customers Affected 197
 Avg. Customer Outage Duration :04

Explanations and Comments
 Old Crow unit 4 lockout caused outage. ECMP common shutdown.

Service Area 571 Whitehorse
 Date Reported 2018-11-14
 Outage Number RJZ00555
 Planned Unplanned
 Sub Number S164 Takhini-Swift
 Line Number 6L17

Location Wh-Whistlebend Subd.
 City/Town Whistle bend, crestview, alias
 Time Reported 2:00
 First Interruption 2:00
 Last Restoration 3:55
 Primary Cause 4 Icing
 CEA Coding Adverse Weather

Customer-Hrs of Interruption 2495:04
 Number of Customers Affected 1784
 Avg. Customer Outage Duration 1:23

Explanations and Comments
 Snow storm. Tree fell on 34 kv double circuit causing S164-52-7 to trip causing an outage to Whistlebend Crestview, and north of Whitehorse.

Outages

Service Area	571 Whitehorse	Location	Wh -Riverdale	Customer-Hrs of Interruption	2031:40
Date Reported	2018-10-01	City/Town	Whitehorse	Number of Customers Affected	2300
Outage Number	RSM00557	Time Reported	9:43	Avg. Customer Outage Duration	:53
Planned	Unplanned	First Interruption	9:43	Explanations and Comments Squirrel caused riser inside Selkirk Sub to flash over phase to ground. S150-52-17 tripped off as a result. Switched substation out and restored customers.	
Sub Number	S150 Whitehorse	Last Restoration	10:36		
Line Number	6L12	Primary Cause	9 Bird/Animal		
		CEA Coding	Foreign Interference		
Service Area	571 Whitehorse	Location	Wh-Multiple Areas	Customer-Hrs of Interruption	1308:16
Date Reported	2018-10-16	City/Town	Whitehorse	Number of Customers Affected	1784
Outage Number	RSM00558	Time Reported	14:02	Avg. Customer Outage Duration	:44
Planned	Unplanned	First Interruption	14:02	Explanations and Comments High winds caused tree to fall into 34.5kv primary line causing a phase to phase fault. Tree was removed and power restored, no damage to infrastructure.	
Sub Number	S164 Takhini-Swift	Last Restoration	14:46		
Line Number	6L17	Primary Cause	2 Trees		
		CEA Coding	Trees		
Service Area	582 Ross River	Location	Ross River	Customer-Hrs of Interruption	11:39
Date Reported	2018-10-20	City/Town	Ross River	Number of Customers Affected	233
Outage Number	RSM00560	Time Reported	4:15	Avg. Customer Outage Duration	0:03
Planned	Unplanned	First Interruption	4:15	Explanations and Comments YEC had an outage to their line causing an outage to all customers in Ross River. Generator picked up customers	
Sub Number	19 Ross River	Last Restoration	4:18		
Line Number	5L618	Primary Cause	16 YEC System Outage		
		CEA Coding	Loss of Supply - Yukon Ener		
Service Area	571 Whitehorse	Location	Wh-Tak. Hot Springs Rd.	Customer-Hrs of Interruption	408:20
Date Reported	2018-11-17	City/Town	whitehorse	Number of Customers Affected	175
Outage Number	TCL00048	Time Reported	16:00	Avg. Customer Outage Duration	2:20
Planned	Unplanned	First Interruption	16:00	Explanations and Comments Icing on line caused S3100 to open. Sectionalized line, removed ice and re-energized line.	
Sub Number	21 LaBerge	Last Restoration	18:20		
Line Number	5L628	Primary Cause	4 Icing		
		CEA Coding	Adverse Wcather		

Outages

Service Area	590 Lower Post	Location	Lower Post	Customer-Hrs of Interruption	144:00
Date Reported	2018-10-20	City/Town	Watson Lake	Number of Customers Affected	90
Outage Number	TDR00017	Time Reported	14:45	Avg. Customer Outage Duration	1:36
Planned	Unplanned	First Interruption	14:20	Explanations and Comments The line to Lower Post tripped off at S2989 showing a A to ground fault of 380 amps. I patrolled the line and upon finding nothing on the line, I attempted a reclose and it held.	
Sub Number	31 Watson Lake	Last Restoration	15:56		
Line Number	5L619	Primary Cause	3 Wind		
		CEA Coding	Adverse Weather		