

Our File: 2/ 2703-05-04

January 3, 2017

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

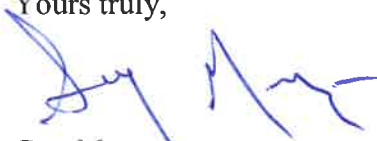
Attention: Mr. Bob Laking, Chair

**Re: YEC Outage Report – 2017 (Q4)**

Please find attached the YEC outage report for the period of October through December 2017. This information is provided pursuant to the filing requirements of the 1996/7 settlement agreement and corresponding Board Order.

If you have any questions regarding the content within this report please do not hesitate to contact the undersigned.

Yours truly,



Guy Morgan  
Director, Operations  
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393-5366

Enclosure

CC via email : Jay Massie, ATCO Electric Yukon



# Outage / Disturbance Report Q4 2017

## Outage/Disturbance Report October 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Oct 17, 2017	103 (Maintenance)	Planned outage to Dawson City Customers to set power poles under work order # C17045.	Dawson (Feeder 2)	468	2.09
Oct 19, 2017	103 (Maintenance)	Planned isolation for Dawson City Customers fed from Feeder #1. Isolation needed to set power poles.	Dawson (Feeder 1)	466	1.89
Oct 29, 2017	901 (Wildlife (Bird/Animal))	Minto Mine tripped off line. Dead Raven discovered in S253. YEC Personnel reset RTU	S254-52-TR (Minto Mine)	1	3.09
			S253-52-T1 - AEY	1	0.07
			S253-52-T1 - NWTel	1	0.37
Oct 30, 2017	0 (Unknown)	AH2 tripped on an 86M Mechanical lockout. No cause determined.	S6838	1	0.33
			Dawson (Feeder 1)	466	0.20
			Dawson (Feeder 2)	468	0.21
			Dawson S250-52-2 (Hunker Feeder)	460	0.20
Oct 31, 2017	0 (Unknown)	Faro Contract Personnel did a patrol and discovered nothing.	Faro 507(Feeder #1)	135	0.06

## Outage/Disturbance Report November 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Nov 05, 2017	0 (Unknown)	AEY had two breakers at the Carcross Corner open. No cause has been determined. This outage affected all YEC's Johnson Crossing Customers.	Johnson's Crossing	14	0.87
Nov 21, 2017	604 (Ice/Icing)	Heavy frost built up on the power lines. Very windy at the time of the outage. Line slap from frost coming off the power lines most likely the cause.	Dawson (Feeder 1)	466	0.14
			Dawson (Feeder 2)	468	0.15
			Dawson S250-52-2 (Hunker Feeder)	460	0.34

Nov 21, 2017	802 (Protection Setting)	After restoration of the outage at 16:22 S250 RT1 did not go back to normal setpoint automatically. It was at step 9 and should have been step 7. Local linemen changed steps and voltages all returned to normal. Feeder 1 and Feeder 2 both tripped on under voltage.	Dawson (Feeder 1)	466	0.15
			Dawson (Feeder 2)	468	0.23
Nov 24, 2017	808 (Other Human Element)	Contractor was working on protection relays and settings in Minto Landing and caused S253-52-2 to open on under voltage. An incident report will be completed	Dawson (Feeder 2)	468	0.13
			Dawson S250-52-2 (Hunker Feeder)	460	0.28
Nov 29, 2017	603 (Wet Snow)	Instantaneous trip. A phase to B phase fault. Zone 1. Called for reclose, breaker held.	Elsa Line (L250)	17	0.02

### Outage/Disturbance Report December 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Dec 10, 2017	301 (Falling Tree)	Tree on the line discovered near Little Salmon area. Faulty indications to S164-52-1 and S164-52-2 delayed restoration to Faro and tying the grid back together.	Dawson S250-52-2 (Hunker Feeder)	460	0.05
			Dawson (Feeder 2)	468	0.25
			Dawson (Feeder 1)	466	0.23
			L178 Carmacks to Faro - Not Including Faro	15	9.70
			Faro 505(Ross River Feeder)	12	1.70
			Faro 506(Feeder #2)	135	1.69
			Faro 507(Feeder #1)	135	1.68
			L170 (S164 to Carmacks)	33	1.65
Dec 11, 2017	503 (Defective Equipment/Material)	Failed relay in S150 was the cause of this outage. YEC workers in S150 at the time performing upgrades.	19L (S150-52-17)	1	0.83
			13L (S150-52-18)	1	1.01
			10L (S150-52-21)	1	0.55
			9L (S150-52-22)	15	1.10
Dec 12, 2017	605 (Other Adverse Weather)	Very windy and snowing heavily at the time of the outage.	Elsa Line (L250)	17	0.02
Dec 12, 2017	605 (Other Adverse Weather)	Heavy snow and very windy at the time of the outage.	Elsa Line (L250)	17	0.02
Dec 16, 2017	603 (Wet Snow)	Windy and snowing at the time of the outage.	Elsa Line (L250)	17	0.03
Dec 16, 2017	603 (Wet Snow)	Wet snow and windy at the time of the outage. No other cause discovered/reported.	Elsa Line (L250)	17	0.01

Dec 31, 2017	103 (Maintenance)	Planned power outage to L250 so that PLT could safely raise the tap at structure 202.	Silver Trail Inn at Halfway Lakes	1	0.13
Dec 31, 2017	506 (Other Equipment Failure)	Found that switch (S7946) 25 amp was open. Re-fused that switch to a 30 amp fuse and it held. Power was restored to all the dome customers.	Dawson Distribution Customers	71	1.58
Dec 31, 2017	910 (Other Utilities)	Johnsons Crossing Customers without power. Atco breaker tripped causing outage. Power restored by Atco.	Johnson's Crossing	14	0.65