

Our File: 2/ 2703-05-04

October 4, 2017

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

Attention: Mr. Bob Laking, Chair

**Re: YEC Outage Report – 2017 (Q3)**

Please find attached the YEC outage report for the period of July through September 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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Enclosure

CC via email : Jay Massie, ATCO Electric Yukon



# Outage / Disturbance Report – 2017 Q3

Outage/Disturbance Report - July 2017					
Date	Code	Comments	Location	# of Customers Affected	Duration Hrs.
Jul 08, 2017	911 (Other foreign Interference)	Contractor brushing equipment threw a branch into the power line causing the interruption.	Faro 506(Feeder #2)	135	0.40
Jul 21, 2017	103 (Maintenance)	Planned isolation for L170 upgrades under GOI 17-287.	L178 Carmacks to Faro - Not Including Faro	15	0.22
			L170 (S164 to Carmacks)	33	0.23
			L178 Carmacks to Faro - Not Including Faro	15	0.30
			L170 (S164 to Carmacks)	33	0.10
Jul 22, 2017	103 (Maintenance)	L 70 isolation for upgrades under GOI 17-288.	L170 (S164 to Carmacks)	33	0.12
			L170 (S164 to Carmacks)	33	0.07
			L178 Carmacks to Faro - Not Including Faro	15	0.12
			L178 Carmacks to Faro - Not Including Faro	15	0.12
Jul 23, 2017	103 (Maintenance)	L 70 planned isolation for upgrades under GOI 17-289.	L170 (S164 to Carmacks)	33	0.13
			L170 (S164 to Carmacks)	33	0.08
			L178 Carmacks to Faro - Not Including Faro	15	0.10
			L178 Carmacks to Faro - Not Including Faro	15	0.12

Jul 24, 2017	103 (Maintenance)	L170 isolation for upgrades under GOI 17-290.	L170 (S164 to Carmacks)	33	0.10
			L170 (S164 to Carmacks)	33	0.07
			L178 Carmacks to Faro - Not Including Faro	15	0.10
			L178 Carmacks to Faro - Not Including Faro	15	0.12
			L170 (S164 to Carmacks)	33	0.22
Jul 25, 2017	103 (Maintenance)	L170 isolation for upgrades under GOI 17-291.	L170 (S164 to Carmacks)	33	0.13
			L178 Carmacks to Faro - Not Including Faro	15	0.20
			L178 Carmacks to Faro - Not Including Faro	15	0.18
			L170 (S164 to Carmacks)	33	0.23
			L170 (S164 to Carmacks)	33	0.10
Jul 26, 2017	103 (Maintenance)	L170 isolation for upgrades under GOI 17-292.	L178 Carmacks to Faro - Not Including Faro	15	0.25
			L178 Carmacks to Faro - Not Including Faro	15	0.17
			L170 (S164 to Carmacks)	33	0.20
			L170 (S164 to Carmacks)	33	0.15
			L178 Carmacks to Faro - Not Including Faro	15	0.23
Jul 27, 2017	103 (Maintenance)	L170 isolation for upgrades under GOI 17-293.	L178 Carmacks to Faro - Not Including Faro	15	0.22
			Dawson (Feeder 1)	466	0.05
			Dawson (Feeder 2)	468	0.05
			Dawson S250-52-2 (Hunker Feeder)	460	0.21
			L177 Stewart North to Dawson	8	0.05
Jul 25, 2017	400 (Lightning)	Major Lightning/Thunder storms Territory wide. Outage caused by lightning strike in Minto area.	L170 (S164 to Carmacks)	33	0.13
			L178 Carmacks to Faro - Including Faro	288	0.17
			S253-52-T1 Minto Mine, NWTEL and ALEY	3	0.25
			L174 (Minto Landing to Stewart South)	1	0.27

## Outage/Disturbance Report - August 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs.
Aug 09, 2017	103 (Maintenance)	L171 return to normal under GOI 17-343.	Champagne Customer(s)	39	0.10
Aug 15, 2017	901 (Wildlife (Bird/Animal))	S253-52-T1 tripped on over current. Dead raven discovered in S253. Minto Mine, AEY Customers and NWTel micro-wave site were all affected.	S253-52-T1 Minto Mine, NWTel and AEY	1	0.26
	503 (Defective Equipment/Material)	WH4 speed signal failed, WH4 secondary speed device failed which caused the unit to trip off line and shut down.	Dawson (Feeder 2)	468	0.14
			Dawson S250-52-2 (Hunker Feeder)	460	0.16
Aug 03, 2017	503 (Defective Equipment/Material)	WH4 speed signal failed, WH4 secondary speed device failed which caused the unit to trip off line and shut down.	S6837	1	0.43
			S6838	1	0.42
			9L (S150-52-22)	15	0.87
			Dawson S250-52-2 (Hunker Feeder)	460	0.11
Aug 08, 2017	503 (Defective Equipment/Material)	WH4 HPU pumps could not keep HPU oil pressure at appropriate levels. Diesel units were brought on and load was starting to be shifted to take unit down in a controlled manner, when WH4 tripped offline.	S6838	1	0.50
			L176 (Stewart North to Mayo)	1	0.13
			L177 (Stewart North to Dawson City)	8	0.14
			Dawson (Feeder 1)	466	0.28
			Dawson (Feeder 2)	468	0.28
			Dawson S250-52-2 (Hunker Feeder)	460	0.28
			9L (S150-52-22)	15	0.76
			S6838	1	0.63
Aug 08, 2017	503 (Defective Equipment/Material)	WH4 shed approximately 4MW of load as unit was being brought off line due to speed sensing issues. This caused P158 52-F2 and S250 52-2 to trip on U/F.	S6837	1	1.25
			Dawson (Feeder 2)	468	0.27
			Dawson S250-52-2 (Hunker Feeder)	460	0.59

Aug 09, 2017	506 (Other Equipment Failure)	The cause of the August 9th outage was a high temperature bearing trip on Aishihik unit 2 (AH2).	Dawson (Feeder 2)	468	0.23
			Dawson S250-52-2 (Hunker Feeder)	460	0.24
			9L (S150-52-22)	15	1.06
			S6837	1	1.41
			S6838	1	1.43
Aug 26, 2017	910 (Other Utilities)	ATCO reports a fallen tree had taken out the center phase of their powerline just south of Johnson Crossing. AEY caused outage.	Johnson's Crossing	14	2.31

### Outage/Disturbance Report - September 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs.
Sep 09, 2017	910 (Other Utilities)	Broken insulators on 9L were the cause of this outage. AEY repaired insulators and re-energized the line.	Johnson's Crossing	14	3.20
Sep 13, 2017	103 (Maintenance)	Broken conductor along L171 at 62/1 needed to be repaired.	L171 (Aishihik Line)	77	2.29
Sep 17, 2017	501 (Electrical Failure)	CT of P130-52-F2 failed	L355 (Haines Junction on Line)	5	0.24