



**YUKON
ENERGY**

**YUKON ENERGY
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Our File: 2/ 2703-05-04

July 5, 2017

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

Attention: Mr. Bob Laking, Chair

Re: YEC Outage Report – 2017 (Q2)

Please find attached the YEC outage report for the period of April through June 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,

A handwritten signature in black ink, appearing to read 'Guy Morgan'.

Guy Morgan
Director, Operations
Guy.Morgan@yec.yk.ca
393-5366

Enclosure

CC via email : Jay Massie, ATCO Electric Yukon



Outage / Disturbance Report -- 2017 Q2

Outage/Disturbance Report April 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Apr 06, 2017	906 (Customer Equipment)	After sectionalizing L250 it was deemed that the cause of this outage was from a fault on equipment owned by Alexco on the Alexco side of L250-89-50. Do not operate tag installed on L250-89-50 until Alexco repairs fault on their system. Once Alexco reports fault repaired, YEC Personnel to confirm.	Elsa Line (L250)	17	0.63
			Elsa Line (L250)	17	0.10
			Elsa Line (L250)	17	0.27
			Elsa Line (L250)	17	0.44
			Elsa Line (L250)	17	0.07
Apr 22, 2017	304 (Off-ROW Tree)	This outage affected the Northern grid. After flying the lines (L170 and L178) a tree was discovered on L178 across from Little Salmon campground between structures 1166 and 1167. Heavy winds were witnessed/reported at the time of this outage.	Dawson (Feeder 1)	447	0.14
			Dawson (Feeder 2)	459	0.67
			Dawson S250-52-2 (Hunker Feeder)	437	0.91
			S253-52-T1	1	1.35
			S254-52-TR (Minto Mine)	1	0.91
			L178 (Carmacks to Faro)	288	5.91
			L170 (S164 to Carmacks)	33	1.08
			Faro 505, 506 and 507	282	0.80

Outage/Disturbance Report May 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
May 01, 2017	706 (Other Adverse Environment)	Cause of outage was a 6.2 magnitude earthquake at 05:31.	19L (S150-52-17)	1	0.99
			13L (S150-52-18)	1	1.03
			10L (S150-52-21)	1	1.00
			9L (S150-52-22)	14	1.02
May 01, 2017	706 (Other Adverse Environment)	A second earthquake with a magnitude 6.3 was the cause of this outage.	9L (S150-52-22)	15	0.43
May 29, 2017	0 (Unknown)	L250 Tripped. Not sure of cause. Mayo PLT's dispatched to do a line patrol and found nothing.	Elisa Line (L250)	17	0.05
May 30, 2017	100 (Scheduled Outage)	Planned power outage for L178 to isolate Faro Mine from the WAFMID power grid.	L178 (Carmacks to Faro)	288	0.07

Outage/Disturbance Report June 2017

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Jun 01, 2017	103 (Maintenance)	9L (Whse South) isolated for Atco to perform maintenance on the line. YEC Johnson Crossing Customers affected.	9L (S150-52-22)	15	0.08
Jun 01, 2017	805 (Improper Equipment/Tool/Maintenance)	Mobile diesel generator tripped and shutdown. Unit Kw output not enough for load demand. PLT dispatched to Johnson crossing to restart generator. RV Campground was isolated from grid so that diesel would not trip again. Larger generator was dispatched to Johnson Crossing.	9L (S150-52-22)	15	0.33
Jun 01, 2017	108 (Other Scheduled)	Johnson Crossing Customers experienced a brief outage while PLT replaced smaller output mobile generator for larger output mobile generator.	9L (S150-52-22)	15	0.05
Jun 01, 2017	103 (Maintenance)	Planned power outage to take Johnson Crossing customers off diesel and place back on grid power.	9L (S150-52-22)	15	0.05
Jun 08, 2017	705 (Unstable Earth)	River bank eroded causing a large poplar tree to fall across all three phases of the 69Kv power line. After initial investigation, it was deemed to unsafe for 1 person to remove danger tree. Waited until the next day for the rest of the line crew to arrive/help.	S253-52-F2	2	18.39
			S254-52-TR (Minto Mine)	1	18.48
Jun 10, 2017	0 (Unknown)	Faro 507 tripped. Dispatched PLT to investigate. PLT patrolled the line and found nothing.	Faro 507(Feeder #1)	135	0.43

Jun 22, 2017	400 (Lightning)	The Outage was likely due to Lightning. The Canadian Lightning Danger Map was showing extreme strikes throughout Northern Yukon. Dawson had a Fire Rating of High. Dawson PLT patrolled the line before SCC closed in on Hunker and S250 52-1.	Dawson (Feeder 1)	447	0.25
			Dawson (Feeder 2)	459	0.26
			Dawson S250-52-2 (Hunker Feeder)	437	0.78
			S254-52-TR (Minto Mine)	1	0.36
			Dawson (Feeder 1)	447	0.28
Jun 25, 2017	400 (Lightning)	Heavy thunder and lightning reported at the time of this outage. PLTs dispatched to fly L178 and L170. Nothing discovered.	Dawson (Feeder 2)	459	0.30
			Dawson S250-52-2 (Hunker Feeder)	437	0.38
			Faro 507(Feeder #1)	135	0.57
			Faro 505(Ross River Feeder)	12	0.58
			Faro 506(Feeder #2)	135	24.59
Jun 27, 2017	201 (Transmission Planned)	Emergency planned power outage to repair broken crossarm on structure along L171.	L170 (S164 to Carmacks)	33	2.72
			L178 (Carmacks to Faro)	288	6.65
			L171 (Aishihik Line)	77	0.17
Jun 27, 2017	201 (Transmission Planned)	Return to normal after crossarm repaired on structure along L171.	L171 (Aishihik Line)	77	0.20
Jun 27, 2017	506 (Other Equipment Failure)	AH1 tripped due to thrust bearing high temperature alarm. This trip is under investigation.	Dawson S250-52-2 (Hunker Feeder)	437	0.03
			Dawson (Feeder 1)	447	0.04
			Dawson (Feeder 2)	459	0.04