

Our File: 2/ 2703-05-04

July 20, 2018

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

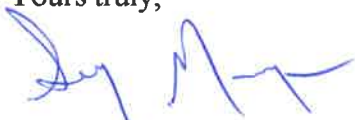
Attention: Mr. Bob Laking, Chair

**Re: YEC Outage Report – 2018 (Q2)**

Please find attached the YEC outage report for the period of April through June 2018. 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 Q2 2018

## Outage/Disturbance Report April 2018

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Apr 10, 2018	501 (Electrical Failure)	TIV closed resulting in AH1 shutdown. After investigation it was determined that the TIV had a stuck Electrical Actuated valve.	Dawson S250-52-2 (Hunker Feeder)	460	0.23
			Dawson (Feeder 1)	466	0.23
			Dawson (Feeder 2)	468	0.24
			S254-52-TR (Minto Mine)	1	6.43
Apr 11, 2018	501 (Electrical Failure)	The Beckwith generator protection relay picked up on reverse power, over voltage and frequency elements to put the relay into an alarm state at 10:36 on 2018-04-11. That alarmed condition remained for roughly a minute and a half until 10:38 when the Beckwith initiated a trip and electrical lockout due to reverse power, overvoltage, instantaneous neutral overcurrent and current differential.	9L (S150-52-22)	15	0.50
			Dawson S250-52-2 (Hunker Feeder)	460	0.04
			S6838	1	0.25
Apr 24, 2018	506 (Other Equipment Failure)	Operator was switching storage tanks to accommodate LNG truck offroad. The send out tank switched to the storage tank and units tripped on low gas pressure. Operations Coordinator working with GP Strategies to rectify problem.	Dawson (Feeder 2)	468	0.13
			Dawson S250-52-2 (Hunker Feeder)	460	72.17
Apr 24, 2018	501 (Electrical Failure)	The Surge arrester on T5 failed there was a flash over that resulted in fault current operating the instantaneous overcurrent element (S1), as well as the differential element (87) of T5's protection relay. The differential element operated because of the CTs being external to the transformer and the surge arrester being physically located between the CT's and T5. T5's protection relay operating caused S249-52-8 and S249-52-9 to trip isolating T5 and clearing the fault. This also caused 249-52-10 to trip as well.	Mayo Town Feeder (S249-52-10)	360	1.55

## Outage/Disturbance Report May 2018

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
May 04, 2018	901 (Wildlife (Bird/Animal))	Call from Faro resident. Dead Raven below power pole. Most likely cause of outage.	Faro 506(Feeder #2)	135	0.01
May 05, 2018	103 (Maintenance)	Planned power outage for planned maintenance work in S250 under GOI 18-179.	Dawson S250-52-2 (Hunker Feeder)	460	4.38

May 30, 2018	400 (Lightning)	Lightning strike near Callison Substation was cause. Also, Lineman reported burnt transformer and a blown fuse. Replaced transformer and re-fused.	Dawson S250-52-2 (Hunker Feeder)	460	0.08
			Dawson (Feeder 1)	466	0.14
			Dawson (Feeder 2)	468	0.19

### Outage/Disturbance Report June 2018

Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Jun 12, 2018	808 (Other Human Element)	Contractor brushing along L170 ran into a guy wire which snapped and wrapped itself around the three phases causing a power outages for customers along L170 and L178.	L170 (S164 to Carmacks)	33	3.37
			L178 Carmacks to Faro - Not Including Faro Customers or Faro Mine	14	3.59
			Faro 505, 506 and 507	282	3.59
			Faro Mine	1	3.37
Jun 14, 2018	400 (Lightning)	Ross River Feeder tripped. Lightning reported at the time of the outage.	Faro 505(L356 Ross River Feeder)	12	0.02
Jun 20, 2018	300 (Tree Contacts)	A leaning structure was found and believed to be the cause. After investigation a tree had fallen onto the structure and caused it to lean. YEC employees dismantled the structure	Dawson (Feeder 1)	466	0.47
			Dawson (Feeder 2)	468	0.42
			Faro 505(L356 Ross River Feeder)	12	0.13
			Faro 506(Feeder #2)	135	0.13
			Faro 507(Feeder #1)	135	0.12
			Elsa Line (L250)	17	7.85