



PO Box 5920
Whitehorse, YT
Y1A 2B0

Our File: 2703-05-04

July 13, 2020

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

RE: YEC Outage Report-2020 (Q2)

To Whom It May Concern:

Please find attached the YEC outage report for the period of April through June 2020. 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 me.

Yours truly,

A handwritten signature in blue ink, appearing to read "Guy Morgan", is written over a light blue horizontal line.

Guy Morgan
Director of Operations
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(867)393-5366



Outage / Disturbance Report 2020

Outage/Disturbance Report April 2020					
Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Apr 09, 2020	103 (Maintenance)	Planned power outage to repair/replace burnt cross arm and insulators on structure 286 along L180. All Customers notified of this planned outage.	L180, L250 and L251 (S249-52-4 and S249-52-5 Trip)	19	4.07
Apr 07, 2020	203 (Generation Inadvertent)	High LEL during offload at LNG Facility tripped all three WG units and four on line YM rental units.	Dawson S250-52-2 (Hunker Feeder)	448	0.16
			Dawson (Feeder 2)	510	0.17
			S164-52-7 (Whistlebend Feeder)	1	0.42
Apr 27, 2020	300 (Tree Contacts)	Tree discovered on power line near Drury Creek. Faro 505, 506 and 507 all restored from diesel generation. S255-52-1 had to stay open until tree was safely removed.	S255-52-1 (L178)	373	5.80
			Faro 505(L356 Ross River Feeder)	22	0.91
			Faro 506(Feeder #2)	207	0.90
			Faro 507(Feeder #1)	139	0.90

Outage/Disturbance Report May 2020					
Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
May 06, 2020	906 (Customer Equipment)	Dawson PLT reports Mining operation started up, causing high inrush current which caused feeder breaker to trip.	Dawson S250-52-2 (Hunker Feeder)	448	0.05
May 19, 2020	506 (Other Equipment Failure)	The City of Dawson perform monthly testing of their water Pump at water treatment plant - causing the breakers P158-52-F1 and F2 to trip. The water treatment plant and Dawson schedule an emergency water pump test once a month. When this is fired up and runs on back up diesel, at the initial start the water pressure goes up above 100 psi the normal pressure is around 92 psi but the spiking pressure is only momentarily. The check valve in our sprinkler system at the diesel plant loses pressure over the one month period so when the emergency pump is started at the water treatment plant and the pressure goes over 100 psi it rushes past the check valve inside the diesel plant which in turn the	Dawson (Feeder 1)	429	0.02
			Dawson (Feeder 2)	510	0.02

		fire alarm system would see this as the sprinkler being activated. This would cause feeder one and feeder two to open in order to protect all electrical equipment from water damage.			
May 19, 2020	910 (Other Utilities)	Outage was caused by a squirrel on AEY 34.5 distribution which was discovered at the scene of the outage.	S150-52-17 (6L12)	1	0.97
May 21, 2020	100 (Scheduled Outage)	Planned outage to isolate section of L178 (L178-89-1585 to S162) for Faro Mine upgrades.	L178 Carmacks to Faro - Not including Faro Customers or Faro Mine	21	0.07
May 28, 2020	201 (Transmission Planned)	Planned power outage to return L178 to normal under GOI 20-294.	L178 Carmacks to Faro - Not including Faro Customers or Faro Mine	21	0.39
May 29, 2020	503 (Defective Equipment/Material)	Fire pump testing in P158 proved that the bypass switch for the fire system is not working correctly. See May 19 outage.	Dawson (Feeder 1)	429	0.03
			Dawson (Feeder 2)	510	0.04
May 07, 2020	808 (Other Human Element)	Outage cause due to LNG units tripping when performing a tank transfer. There were only two LNG units on at the time so SCC Operator thought that there would be no need to reduce loading on LNG units for tank transfer.	S150-52-17 (6L12)	1	0.66

Outage/Disturbance Report June 2020					
Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Jun 02, 2020	103 (Maintenance)	GOI 20-316	L177 not including Dawson City	3	8.93
Jun 11, 2020	302 (Broken Branch)	Reports of strong winds at the time of the outage. Suspect tree contact.	L250 (S258-52-2 to Keno)	16	0.07
Jun 05, 2020	301 (Falling Tree)	Line patrol was conducted. Tree was discovered on line. Restored most Customers by energizing S7731 and S7709 with diesel until tree removed safely. Tree removed and power restored.	Mayo Town Feeder (S249-52-10)	385	3.58
			Mayo Distribution Customer(s)	192	0.79
			Mayo Distribution Customer(s)	190	1.08
Jun 16, 2020	504 (Corrosion)	Village reported flickering lights in office, upon investigation a bad neutral connection was discovered, wire was badly corroded, replaced damaged wire and connection	Mayo Distribution Customer(s)	1	2.50
Jun 17, 2020	908 (Customer-Cut Trees)	Dawson City Fire Chief called at 20:11 to report tree on line was burning on Robert Service Rd. Arrived on scene at 20:20, cut-out had opened at S8024. Grounded line, removed tree, removed grounds, re-fused S8024 with 5 amp fuse, closed cut-out and held. Called SCC to report all clear at 21:03. 6 homes affected in total. Customer had cut the tree down and it fell on power line.	Mayo Distribution Customer(s)	6	0.87