



Outage / Disturbance Report 2021

Outage/Disturbance Report July 2021					
Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Jul 16, 2021	906 (Customer Equipment)	S254-52-1, S254-52-TR, S254-52-F1 and S254-52-C1 tripped. All breakers closed first attempt. Cause related to mine equipment. Targets/Flags: S254-T1 NGR1 ground fault, resistor fault, F1 lockout and C1 lockout.	S254-52-1 (Minto Mine)	1	0.12
Jul 20, 2021	400 (Lightning)	S258-52-3 tripped, Suspected lightning strike. Due to high fire risk a line patrol was completed prior to restoration. Due to Grid Split (unrelated outage around the same time) and delays with line patrol, the restoration took longer.	S258-52-3 L251 to Eagle Gold	1	1.71
Jul 20, 2021	400 (Lightning)	Lightning on L170 was the cause of this event. Fire risk in the south was moderate, L174 had extreme risk, however with indication that L170 was the original cause, SCC received permission to attempt one close on the line. L251 (Eagle gold) was out at the time and had no connection to this outage. This outage did potentially extend the restore time for L251. Targets/Flags: S164 L170 Zone 1 Ground Distance Trip 21B, 120 Km 28A S253 L173 Zone 4 Ground Distance Trip 21A, 134.2 Km	Faro 505(L356 Ross River Feeder)	22	0.14
			Faro 506(Feeder #2)	207	0.31
			Faro 507(Feeder #1)	139	0.16
			L178 Carmacks to Faro - Not Including Faro Customers but including Faro Mine	23	48.42
			Dawson (Feeder 2)	510	0.23
			Dawson (Feeder 1)	429	0.24
			S253-52-F2 (L254)	3	0.30
			Dawson S250-52-2 (Hunker Feeder)	448	0.41
			L170 (S164 to Carmacks)	38	0.20
			S252-52-2 (Pelly Crossing Feeder)	1	0.55
S254-52-TR (Minto Mine)	1	0.67			

Outage/Disturbance Report August 2021					
Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Aug 01, 2021	901 (Wildlife (Bird/Animal))	Faro 505 Tipped (no corresponding alarms), Checked the line near Faro, Found a bird and blown fuse by the airport.	Faro 505(L356 Ross River Feeder)	22	0.17
Aug 02, 2021	301 (Falling Tree)	Tree near Firehall Road, ~30km south of Whitehorse, contacted the line. Reported by a passing truck driver to YEC emergency line, SCC op notified ATCO. S249-52-10 closed without issue.	Mayo Distribution Customer(s)	385	0.24
Aug 02, 2021	400 (Lightning)	Major lightning storm at the time of the outage.	L170 (S164 to Carmacks)	38	0.15
			L178 Carmacks to Faro - Not Including Faro Customers but including Faro Mine	23	0.17
			Faro 505(L356 Ross River Feeder)	22	0.20
			Faro 506(Feeder #2)	207	0.21
			Faro 507(Feeder #1)	139	0.21
Aug 09, 2021	906 (Customer Equipment)	Reports that a pole had fallen and the conductor was on the ground at Faro Mine. Line isolated for repairs. Once line was isolated, power was restored.	L178 Carmacks to Faro - Not Including Faro Customers but including Faro Mine	23	0.06
			Faro 505(L356 Ross River Feeder)	22	0.09
			Faro 506(Feeder #2)	207	0.09
			Faro 507(Feeder #1)	139	0.09
			S162-52-F2 Faro Mine	1	1.85
Aug 15, 2021	906 (Customer Equipment)	Cause related to mine equipment. Targets/Flags: S254-T1 ground fault and S254-T1 Resistor fault.	S254-52-TR (Minto Mine)	1	0.11
Aug 27, 2021	506 (Other Equipment Failure)	No specific targets, but definitely frequency related trips. This was an outage that occurred soon after a grid split for GOI 21-626. Northern grid started to have frequency swings due to faulty MBH1 governor setting. S249-52-10 had issues with remote close. Needed field personnel to assist with troubleshooting which led to longer Mayo outage.	Dawson S250-52-2 (Hunker Feeder)	448	0.55
			Dawson (Feeder 1)	429	0.62
			Dawson (Feeder 2)	510	0.78
			Mayo Town Feeder	385	1.34

(S249-52-10)

Outage/Disturbance Report September 2021					
Date	Code	Comments	Location	# of Customers Affected	Duration Hrs
Sep 08, 2021	501 (Electrical Failure)	AH2 Tripped out on an NGR relay fault and the electrical lockout 86E trip alarm.	Mayo Town Feeder (S249-52-10)	385	0.09
			S164-52-7 (Whistlebend Feeder)	1	0.44
Sep 09, 2021	906 (Customer Equipment)	Cause related to mine equipment	S254-52-TR (Minto Mine)	1	0.08
Sep 09, 2021	906 (Customer Equipment)	Cause related to mine equipment The outage occurred when the customer attempted to start up their mill motor - it seems to be a failure at customer's site. Outage data sent to Manager Electrical Engineer.	S254-52-TR (Minto Mine)	1	0.08
Sep 22, 2021	603 (Wet Snow)	Lots of heavy wet snow at the time of the outage. S255-52-1 tripped causing L178 and Faro outage. Outage duration extended due to loss of COMMS and not being able to contact Faro Personnel.	L178 Carmacks to Faro - Not Including Faro Customers but including Faro Mine	23	9.15
			Faro 505(L356 Ross River Feeder)	22	0.65
			Faro 506(Feeder #2)	207	0.64
			Faro 507(Feeder #1)	139	0.63
Sep 22, 2021	603 (Wet Snow)	Heavy wet snow weighing down trees making contact with power line was cause of this outage affecting S249-52-10.	Mayo Town Feeder (S249-52-10)	385	1.07
Sep 24, 2021	501 (Electrical Failure)	T171C-89-2 fuse barrel melted.	Champagne Customer(s)	33	4.75
Sep 27, 2021	103 (Maintenance)	Outage for maintenance on L178 under GOI 21-696 to GOI 21-706 NOCC has been informed of plans	S162 Faro Mine	1	1.13