

YUKON
ENERGY



YUKON ENERGY
CORPORATION

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YUKON Y1A 6S7
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Our File: 2/ 2703-05-04

October 28, 2013

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

Attention: Mr. Bruce McLennan, Chair

Re: YEC Outage Report – Q1-3 2013

Please find attached the YEC outage reports for the 1st through 3rd quarter of 2013. 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,

Tom Debolt
Revenue and Financial Analyst
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393-5348

Enclosure

CC via email : Dwight Redden, YECL
Jay Massie, YECL

Outage / Disturbance Report YTD Q-1 January 2013

Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration) HH:MM:SS	Comments
Jan 12/2013	Dawson S250-52-2 (Hunker Feeder)	401	Adverse Weather (6c)	S250-52-2 > 00:00:30	S250-52-2 Tripped. The most likely cause for this outage is snow. At the time of the outage it was snowing and windy. The snow was wet and heavy due to the warm temps at time of outage.
Jan 12/2013	L250 Elsa Line	25	Adverse Weather (6c)	(S249-52-4 & S249-52-5) L250 > 00:05:22	MBH1-52-1, MBH2-52-1 and S248-52-1 all tripped before S249-52-4 and S249-52-5. Heavy wet snow and windy at the time of the outage. No other cause reported.
Jan 13/2013	L250 Elsa Line	25	Adverse Weather (6c)	(S249-52-4 & S249-52-5) L250 > 00:27:52	Heavy wet snow and windy at the time of the outage. No other cause reported. SCC Operator reported having problems with comms for SCADA at the time of the outage causing a delay in restoration.
Jan 13/2013	L250 Elsa Line	25	Adverse Weather (6c)	(S249-52-4 & S249-52-5) L250 > 00:01:20	Reports of heavy snow and ice built up on power lines. Warm temps. Windy.
Jan 13/2013	Dawson (L177)	1262	Adverse Weather (6c)	S250-52-2 > 00:01:24 P158-52-F2 > 00:13:16 P158-52-F1 > 00:14:14	Reports of heavy snow and ice built up on power lines. Warm temps. Windy.
Jan 14/2013	Dawson S250-52-2 (Hunker Feeder) - L250 Elsa Line	426	Adverse Weather (6c)	L250 > 00:02:03 S250-52-2 > 00:08:31	Reports of heavy snow and ice built up on power lines. Warm temps. Windy. MBH1-52-1, MBH2-52-1 and S248-52-1 all tripped before S249-52-4 and S249-52-5. MH1 stayed on line and MH2 was placed on line for generation and to help maintain Mayo down river flows. Hunker Feeder in Dawson tripped on under frequency.
Jan 15/2013	Dawson (L177)	1262	Adverse Weather (6c)	P158-52-F1 > 00:06:28 P158-52-F2 > 00:06:29 S250-52-2 > 00:29:14 S256-52-2(L177) > 00:39:59	Cause unknownheavy snow on L177 may be the cause. HO 13-11b in place on L177 for brushers because of this we had to energize Dawson with diesel and wait until contact was made with brushers. HO was surrendered before we could energize L177.
Jan 17/2013	Johnson's Crossing (9L Carcross corner to J/C)	13	Adverse Weather (6c) (YECL)	YECL Breaker > 02:21:00	Snowfall advisory in affect for this area at the time of the outage. YECL breaker tripped at Carcross Corner.

Jan 17/2013	Faro 506	135	Adverse weather (6c)	Faro 506 > 04:42:33	Snowfall advisory in affect for this area at the time of the outage. YEC Lineman dispatched from Whitehorse. Lineman reported to SCC that he could see no cause. SCC tried another reclose on Faro 506. Breaker closed and held. Lineman to stay in Faro for the night in the event feeder trips again due to heavy snowfall in the area.
Jan 17/2013	Mayo (Bedrock Subdivision)	19	Adverse Weather (6c & 6d)	2 Fuses > 01:20:00	Mayo Power Line Technician (PLT) discovered 2 blown 10 amp fuses. Changed fuses and restored power. Mayo PLT then patrolled Bedrock subdivision power line and found nothing. Porr weather at time of outage.
Jan 19/2013	Dawson	1262	Adverse weather (6c)	Feeder #1 > 00:07:00 Feeder #2 > 00:08:00 S250 52-2 > 00:13:16	-41 in Dawson and medium snow fall at the time of the outage. Dawson Lineman reported that no visual cause for outage discovered. Feeder 1, Feeder 2 and S250-52-2 all tripped on under frequency. Ice build up falling off the power line may be the cause.
Jan 31/2013	Keno City	1	Transmission Failure (2B)	Keno City > 00:40:00	69 Kva transformer was found to have a blown fuse. Re-fused and all back to normal in Keno.



Outage / Disturbance Report
February 2013

No outages in February 2013

Outage / Disturbance Report Q-1 March 2013

Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration)	Comments
March 5 2013	Champagne	34	Defective Equipment (5a)	05:42:00	Champagne placed on diesel generation under GOI 13-62 for system upgrade. Diesel unit (YM3) malfunctioned and shut down. Another mobile diesel unit had to be brought from Whitehorse, installed and placed on line.
Mar 11 2013	Lot 1038 Rock Creek (Dawson City)	3	Scheduled Outage (1)	01:30:00	Planned power outage for danger tree removal.
Mar 11 2013	Lot 184-39-1 Rock Creek (Dawson City)	3	Scheduled Outage (1)	01:30:00	Planned power outage for danger tree removal.
Mar 12 2013	Lot 184-39-1 Rock Creek (Dawson City)	3	Scheduled Outage (1)	01:15:00	Planned power outage for danger tree removal.
Mar 12 2013	Lot 184-7 Rock Creek (Dawson City)	25	Scheduled Outage (1)	01:45:00	Planned power outage for danger tree removal.
Mar 26 20136	L250 (Elsa Feeder)	23	Defective Equipment (5c)	30:25:00	Cross arm on power pole caught on fire. Burnt off top of power pole. Isolated L250 until Line crew could make the necessary repairs the following day. L250 isolated at L250-89-347. Keno on diesel generation.

Outage / Disturbance Report Q-2 April 2013



Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration) HH:MM:SS	Comments
April 2 2013	Lot # 25 Henderson Corner (Dawson City)	1	Foreign Interference Vehicles (9b)	74:05:00	Customer called in at 8:15 said wire tore down to her house. Looks like high load through the night hooked service & NWT line which bent the mast on house & broke wire. Dawson PLT Turned off transformer, rolled up service, made site safe and explained to customer she needs to get electrician to fix mast then I can reconnect. Repaired on April 5 2013.
April 2 2013	Lot # 19 Bear Creek (Dawson City)	7	Scheduled Outage (1)	00:30:00	Customer called in said transformer making arcing noise. Dawson PLT Checked out site found switch broken. Dawson PLT cut power to 7 customers, Tightened up all connections, replaced switch then re-energized line.
April 2 2013	Triple J Cabins 6 th Avenue (Dawson City)	15	Defective Equipment Imminent Failures Detected (5c)	06:00:00	Customer called in power out to cabins at Triple J on 6th Av. Dawson PLT Checked out site refused fuse blew climbed pole check size of exer 100 kva refuse to correct fuse size fuse blew again isolate all the cabins ohm out secondary lines all good. Change out xer restored power.
April 2 2013	Lot 28-3 Henderson Corner	2	Defective Equipment Normal wear and aging (5a)	04:25:00	Customer called in power out lot 28-3 Henderson Corner . After Dawson PLT restored power to Triple J went out to Henderson found broken switch. Changed out switch and restored power.
April 25 2013	Lot 20 Mendenhall	2	Defective Equipment Normal wear and aging (5a)	00:01:00	SCC recieved a call from a customer in Mendenhall informing the Operator that they had no power. YEC Serviceman was dispatched to Mendenhall and discovered a broken porcelain cut out switch. Replaced switch and reenergized.



Outage / Disturbance Report Q-2 May 2013

Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration) HH:MM:SS	Comments
May 04/2013	Whitehorse (S6838)	1	Foreign Interference (9e) (YECL)	00:15:16	S6838 Tripped on UF – S6839 had been open for one hour and 10 minutes from previous bump as was very windy and crews were patrolling. YECL closed in on a fault without informing SCC. shortly after I heard on radio they found tree on line. SCC restored power to S6838 (Porter Creek North).
May 04/2013	South Fox	5	Tree Contact (3)	05:50:00	YECL reported that a tree had taken down one of our power lines at South Fox. YEC Line crew went out, repaired line and restored power.
May 08/2013	Dawson City	399	Scheduled Outage (1)	05:13:00	Dawson City line crew conducting planned/scheduled line maintenance under GOI 13-128.
May 14/2013	Faro (506)	135	Unknown (0)	00:00:21	Faro 506 tripped at 05:44. Breaker closed back in 21 seconds later by SCC Operator. Mayo Electrician in Faro did line patrol and found nothing.
May 23/2013	S6838	1	Unknown (0)	00:09:29	S6838 Tripped at 12:50:57. YECL patrolled line but could not find a cause. YECL Lineman reported a roar in the S170 sub station when they closed in S6838.

Outage / Disturbance Report Q-2 June 2013

Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration) HH:MM:SS	Comments
June 4 2013	Northern Section of Power Grid	1623	Tree Contact (3)	Dawson F1 – 00:10:07 Dawson F2 – 00:08:40 S250-52-2 – 00:49:58 L250 – 00:57:20 Faro 505 – 00:16:16 Faro 506 – 00:07:35 Faro 507 – 00:03:05 Minto Mine – 00:17:27 L170 (S164-S255) – 00:23:01 L170 (S255-870S) – 21:37:16	Fault on L170. Dawson, Faro and Minto Mine all placed on diesel for restoration. YEC Lineman flew L170 and found no immediate cause. YEC Lineman flew L170 for a second time after June 16 outage. Lineman found a tree across the 138kv power line in a location that was in a crevasse and very difficult to spot.
June 4 2013	Dawson	1262	Incorrect Protection Settings (8e)	Dawson F1 – 00:02:02 Dawson F2 – 00:03:45 S250-52-2 – 00:27:59	When restoring from an earlier outage in the day SCC was about to tie the North and South Grids together. So, with S251-52-1 open, the SCC Operator opened S151-52-5 and S151-52-8. SCC Operator then closed S251-52-1. Everything looked ok for a few seconds until the T1 Tap Changer in S151 sensed there was no voltage coming from the South grid so it started tapping up all the way to 26 when the North grid collapsed on low voltage. Minto Mine was isolated from the grid and on diesel from an earlier outage in the day. This issue has been resolved.
June 4 2013	Johnson's Crossing	13	Tree Contact (3)	04:05:00	Bump! Loading on breaker S150 52-22 spiked from 3.40 MW to 11.34 MW. L171 voltage went from 141.9Kv to 137.69Kv. Cycles went 61.17Hz to 58.16Hz. YECL reported a tree had fallen on the line and knocked the power line to the ground.
June 5 2013	Northern Section of Power Grid	1263	Incorrect Protection Settings (8e)	Dawson F1 – 00:04:52 Dawson F2 – 00:05:17 S250-52-2 – 00:02:04 Minto Mine – 00:34:30	SCC was restoring L170 to Faro via S255 52-1. To accommodate this restoration, S253 52-1 was opened. S251 T1 tap changer was in remote and 'Auto' mode as it stepped to '1' causing high voltage irregularity and over voltage trips.

June 11 2013	(S250-52-2) (Hunker Feeder)	401	Tree Contact (3)	S250-52-2 – 00:11:00	At 04:32 the system frequency jumped to 60.8 and WH4 loading went from 18.5 Mw to 15.5 Mw creating low System Frequency and causing Hunker Feeder to trip on under frequency. Cause was later found to be a tree on L170.
June 16 2013	S170-S6837 S164-52-3 S255-52-1 S253-52-1	337	Tree Contact (3)	S170-S6837 – 00:48:43 S164-52-3 – 00:55:00 S253-52-1 – 00:11:10 S255-52-1 – 57:32:16	Cause suspected to be a fault on L170. After further investigation and a second aerial inspection a tree was discovered across the power line in a deep gully that was difficult to spot. S255-52-1 not closed until fault (tree) discovered on L170. Faro customers and Faro mine were on diesel generation at time of outage.
June 17 2013	Carmacks Pelly Xing Stewart Xing	58	Incorrect Protection Settings (8e)	S164-52-3 to S255-52-1 – 00:02:51 Pelly Crossing – 00:07:03 Stewart Crossing – 00:07:42	In preparation for L170 restoration from the previous outage SCC had placed Minto Mine on diesel and separated them from the grid. SCC then opened S251-52-1 to isolate the northern section of the grid. Immediately after opening S251-52-1 the North grid separated from the South grid at S251. Dawson Diesel was placed on line before the switch for system stability. Mayo and Dawson stayed on with Dawson diesel and Mayo hydro. Faro and Faro Mine were on Diesel generation from the previous outage caused by the fault on L170 (Tree).
June 18 2013	Faro 506	135	Tree Contact (3)	Faro 506 – 00:07:57	No immediate cause found. YEC Protection and Control Tech. discovered an A Phase to ground fault target in 870S.
June 20 2013	Faro 506	135	Unknown (0)	Faro 506 – 00:00:35	Faro 506 Tripped. Faro 506 closed and held on first attempt. Cause unknown at this time.
June 22 2013	Faro Resident	1	Foreign Interference (9a)	Faro Resident – 01:03:00	Interruption caused by blown fuse at transformer.
June 22 2013	Faro 505 (Ross River)	1	Scheduled Outage (1)	Faro 505 – 00:05:09	Planned outage to remove tree from L356.
June 28 2013	Mendenhall	15	Scheduled Outage (1)	Mendenhall – 00:00:30	Planned power outage to take Mendenhall of diesel generation and place back on grid power.

June 30 2013	Faro (All) Dawson (Hunker Feeder) Mayo (L250)	716	Adverse Environment (7e)	S164-52-3 – 03:43:24 S250-52-2 – 00:25:08 S6838 – 00:28:55 L250 – 00:32:59 Faro 505 – 00:17:00 Faro 506 – 00:18:00 Faro 507 – 00:19:00 Drury Creek – 21:07:25	<p>Forest fire was reported in the area. At the time of the outage Leadhand SCC was informed by the Carmacks fire Personal that the fire was on the opposite side of the hiway from the 138KV transmission line. It was not until 2 hours later that the Leadhand was informed by the Carmacks Fire Personal that the fire had crossed the road and was now threatening our power line. Aerial Patrol discovered three burned structures and one with broken sway brace. There was also some cracked/broken insulators that were replaced. Drury Creek outage 21 hours as the fire Marshall would not let any traffic on the Robert Campbell Hiway until next day due to fire in area.</p>
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Outage / Disturbance Report Q-3 July 2013

Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration) HH:MM:SS	Comments
July 02 2013	Faro Mine	1	Scheduled Outage (1)	00:40:08	Reconnect Faro to grid...only Faro mine affected...Faro Town, Faro Mine and Drury on Diesel...Opened 503 Faro Mine off diesel generation. Closed S255-52-1.
July 02 2013	Mayo Town	326	Tree Contacts (3)	04:01:00	Very windy. Mayo PLT's reported three trees on the Mayo Distribution. Trees were cut down and the Mayo power restored.
July 02 2013	Dawson City Elsa Fdr. (L250) Haines Jct. Whitehorse Minto Mine	1293	Tree Contacts (3)	Dawson Fdr # 1 – 00:07:37 Dawson Fdr # 2 – 00:07:18 Dawson Fdr # 3 – 00:07:37 H.J. (L355) – 01:00:59 S6837 – 01:06:23 S6838 – 01:10:51 Minto Mine – 03:11:28	Faro islanded and on diesel at time of outage. No outage to Faro customers. Minto Mine went on their own diesel generation 1 hour and 37 seconds after the outage.
July 04 2013	Champagne	34	Scheduled Outage (1)	00:03:00	Champagne on diesel for L171 isoalition - GOI 13-209
July 04 2013	Mendenhall	43	Scheduled Outage (1)	00:03:00	Mendenhall brief outage for L171 isolation - GOI 13-209

July 08 2013	Champagne	34	Defective Equipment (5a)	00:53:00	Champagne on diesel for L171 isoalition - GOI 13-209 customer called reporting power out. line crew restarted diesel and back on. will retrieve YM2 from Mendenhall in case something wrong. Faro 505 tripped. Not sure of cause. YECL informed.
July 09 2013	Faro 505 (Ross River)	12	0 (Unknown)	00:00:21	
July 11 2013	L355 Haines Jct.	5	Unknown (0)	00:03:15	Cause may have occurred on the Haines Junction Distribution.
July 12 2013	Faro 505 (Ross River)	12	Unknown (0)	00:00:27	No cause found. No weather disturbances reported at the time of the outage.
July 12 2013	S6838	1	Foreign Interference (9a)	01:21:19	YECL identified a dead raven as the most likely cause.
July 15 2013	Champagne	34	Defective Equipment (5a)	01:40:00	Champagne on Portable Diesel Gen which failed. Line crew went out and placed diesel back on. Possibly a voltage issue due to a loose wire. Will inspect once in Whitehorse.
July 15 2013	Faro 505 (Ross River) Faro 506 Faro 507	283	Loss of Supply (2a)	Faro 505 - 00:20:52 Faro 506 - 00:20:52 Faro 507 - 00:20:52	FD7 and FD5 on and tried to close in Faro Mine load FD5 and FD7 tripped off causing outage to Faro town and Ross River L170 was de energized for Forest Fire back burn crew.
July 15 2013	Faro 505 (Ross River) Faro 506 Faro 507	283	Loss of Supply (2a)	Faro 505 - 00:03:37 Faro 506 - 00:03:17 Faro 507 - 00:03:17	Faro Mine load pick up caused FD7 to trip causing outage to Faro town and Ross River. FD1 was placed on line with FD7 and was successful in picking up the Mine load. L170 was de energized for Forest Fire back burn crew.
July 22 2013	S6838	1	Foreign Interference (9a)	00:24:50	S6838 Opened. YECL Reports Raven on T1 in Whistlebend.
July 24 2013	Johnson's Crossing	13	Imminent Failures Detected (5c) (YECL equipment)	00:47:00	Partial 9L outage. YECL reported a burnt crossarm as the source of the outage. SCC placed WD5, WD6 and WD7 on line for load pick up as the Aishihik plant was dewatered.

Outage / Disturbance Report Q-3 August 2013

Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration)	Comments
August 8 2013	Dawson City – S250-52-2 and P158-52-F2 L250 - Elsa Line S167-52-1	884	Human Element Operator Error (8a)	S250-52-2 – 00:17:02 P158-52-F2 – 00:06:29 L250 (Elsa Line) – 00:21:19	S167 52-1 tripped when transformer protection was initiated by worker this caused under freq due to lack of generation (AH3 4.5 mw).
August 11 2013	Dawson P158-52-F2 Dawson S250-52-2 S253-52-1 (Northern Tie) S249-52-4 – Elsa Line S249-52-5 – Elsa Line	863	Tree Contact (3)	P158-52-F2 – 00:11:23 S250-52-2 – 00:19:23 S249-52-5 (L250) – 01:06:14	After L250 was energized several Hz/Kv bumps were experienced. Suspect tree was touching the line so Gary Jones inspected L250. AH3 soft stopped and P130 blackstart started as a result of the initial bump. As well AH1 had an 86M from loss of hydraulic fluid in the governor even though it was not online at the time. Initial load loss produced 62.22Hz. Paul Leslie was dispatched from Whitehorse to locally close S253 52-1 to tie the Northern and Southern grids back together. Minto Mine ran MMG2 and MMG3 to supplement their operations due to low generation on the Northern grid. Wareham Lake was below 573.5 to support a Mayo B unit. Bella-Keno ran with minimum operations to help with low generation as well. DD1, DD2 and DD3 were online until S253 52-1 was closed and the grids re-joined.

August 12 2013	Faro 507	135	Unknown (0)	Faro 507 – 00:01:01	Faro 507 opened. Local Operator informed of breaker operation. Breaker closed by SCC. No cause found.
August 14 2013	Braeburn	14	Unknown (0)	06:05:00	Received a phone call at 11:15 reporting that we were having a power outage at Braeburn - sent Lineman out there (he drove back from Aishihik) with a Diesel and a spare Fuse - out there he found the Fuse in T170B-89-2 blown - at 14:35 put Braeburn on Diesel - the Diesel was off at 18:48 and everybody was on the Grid again. No cause found.
August 15 2013	Champagne Mendenhall	77	Lightning (4)	Champagne – 01:29:54 Mendenhall – 02:10:04	Morning Lightning Storm damaged structures causing S167 52-1 and S164 52-2 to open. L171 isolated at L171-89-55-3 and L171-89-42-6. Champagne on Aishihik Generation. Mendenhall placed on diesel generation. The damages caused by lightning were: <ul style="list-style-type: none"> • 2 structures need to be replaced. • 12 structures require a complete insulation change-out. • 1-4 cross-arms need to be changed • 3 distribution structures required insulation replacement (one structure hit by lightning had a 4"x5"x2' hole – to be replaced in the future)
August 18 2013	S250-52-2 (Hunker Creek Feeder)	401	Unknown (0)	00:01:04	S250 52-2 hunker Creek Feeder Opened. SCC tried one reclose and held. No cause reported or found.

August 22 2013	S250-52-2 (Hunker Fdr.) S150-52-17 S150-52-22 S150-52-21	404	Generation Failure (2a)	S250-52-2 – 00:13:09 S150-52-17- 00:35:27 S150-52-21 – 00:39:11 S150-52-22 – 00:45:59	AH2 was placed on line for a 24 hour run up after a 10 year over haul. After approximately 2.5 hours of test run AH2 tripped off line. SCADA alarms indicated that the unit tripped off on high bearing temperatures although the local YEC Mechanical Personal informed SCC that all the bearing temps were normal.
August 25 2013	S170 S6838	1	Imminent failures detected (5c)	01:16:07	YECL reported a cable failure in Whistlebend Sub Station.
August 29 2013	L355 (Haines Junction)	5	YECL Serviceman Error (8a)	02:03:00	In execution of GOI 13-301 step 4, YECL Haines Junction Serviceman informed SCC that instead of opening S9291 (as per original GOI step) the breaker will automatically open after completing step 5. S167-52-T2 opening resulting in a dead line and YECL Serviceman will confirm open. Trusting the knowledge of the local YECL Serviceman regarding a non YEC device, SCC Operator complied. Once S167-52-T2 was opened, it was found that S9291 did not open automatically as YECL Serviceman expected. As a result, Haines Junction sustained a forced outage to accommodate opening S9291.
August 29 2013	L355 (Haines Junction)	5	Defective Equipment (Imminent Failures Detected) (5c)	00:27:00	S167 52-T2 opened for GOI 13-301. YECL lost SCADA comms with their OCR generator breaker. In order to open it, a line outage was induced.

Outage / Disturbance Report Q-3 September 2013

Date	Location	Number of Customers Affected	Cause	Duration (Outage to Restoration)	Comments
Sept 04 2013	Dawson City	1	Lightning (4)	16:00:00 (approximate time)	Transformer hit by lightning sometime on the 4th. It was reported on the 5th.
Sept 07 2013	Elsa/Keno	1	Unknown (0)	01:00:00	YEC Serviceman received a call informing him the power was out in Elsa. YEC Serviceman discovered a blown fuse in S257. Serviceman changed out fuse and reclosed. No cause found as to why fuse was blown.
Sept 08 2013	S164-52-3 S253-52-1 S250-52-2 P158-52-F2 S249-52-4 – L250 S249-52-5 – L250	896	Tree Contact (3)	L250 – 00:12:54 S250-52-2 – 00:11:38 P158-52-F2 – 00:10:00 S164-52-3 – 00:24:20 Faro 505 – 00:26:00 Faro 506 – 00:26:21 Faro 507 – 00:26:00	Caused by Trees on L173. Attempted Closed on S255 52-2 at 08:26:17 resulting in S164 52-3 & Faro tripping again. S255 52-2 and S253 52-1 remain open while YEC Linemen flew the line. Two trees found on line. One at 50km north of Carmacks and another at 15km. Small fire caused by 15km tree. MBH2 put online to assist with Minto Mine load on the northern grid.
Sept 08 2013	Johnson, s Crossing	13	Tree Contact (3)	02:59:00	System Bump occurred followed shortly thereafter by a call from RCMP reporting a tree on the line and a small fire approximately 20km North of Johnson's Crossing.
Sept 08 2013	S250-52-2 P158-52-F1 P158-52-F2	1262	Unknown (0)	S250-52-2 – 00:03:09 P158-52-F1 – 00:05:39 P158-52-F2 – 00:06:37	No cause found. Rainy and windy at the time of the outage.
Sept 10 2013	S170 S6837 S170 S6838 S170 S9815 S150-52-18	1	Incorrect Protection Settings (8e)	S6837 – 00:33:54 S6838 – 00:42:13 S9815 – 00:54:55 S150-52-18 – 01:41:28	System was separated under GOI 13-315. S150 52-18 overloaded and tripped approximately 2 minutes after S170 52-1, S171-52-3 and S171-52-4 Opened. Whitehorse diesel used in restoration.
Sept 20 2013	Dawson City Customers	3	Adverse Environment - Fire (7e)	Dawson Customers – 03:56:00	House fire. Service wire at house was on ground. Cut clear for fire dept. then open 3phase bank feeding cooler beside house. Fire too hot to cut service down. This fed Palace Grande as well. After fire out restored power to Palace Grande.

Sept 24 2013	S250-52-2 (Hunker Feeder) P158-52-F1 P158-52-F2	1262	Unknown (0)	S250-52-2 – 01:19:52 P158-52-F1 – 00:08:34 P158-52-F2 – 00:18:11	Dawson Serviceman had two separate contractors conducting work in the area. Hold Offs were issued and required surrendering before lines could be energized. S256 comms were down due to Northwestel. Bob Burrell drove from SXS to SXN. To confirm S256 52-2 was opened. Cause for outage is unknown though voltage sag was observed before breakers tripped indicating a fault on the line.
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