



The Yukon Electrical Company Limited
An *ATCO* Company

October 10, 2013

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

Attention: Deana Lemke, Yukon Utilities Board Executive Secretary

Dear Deana:

Re: Service Interruptions

In accordance with Board Decision 1989-5, attached is the summary of major unplanned outages for the months of July, August and Sept, 2013 as well as the updated interruption report for Q2-2013 April, May and June. Adjustments were made to the Q2 report to correct the primary cause on the outage that occurred on May 4. A major outage has, for the purposes of these reports, been defined as an interruption of any length involving either a significant number of customers or a small community.

Please contact me at 633-7003, if you require any additional information or clarification.

Yours Sincerely,

THE YUKON ELECTRICAL COMPANY LIMITED
An *ATCO* Company

For: Dwight Redden,
General Manager, Yukon Electrical Company Limited

DR:cm
Encl.

Board Report (>50 custs)



Service Area 571 Whitehorse

Date Reported 2013-04-16 Time Reported 8:47
 Outage Number SMB00081 Time Interrupted 8:45
 Planned Unplanned Time Restored 9:01
 Sub Number 303 Primary Cause 6 Vehicles
 Line Number 4L311 CEA Coding Foreign Interference
 Location Whitehorse-Downtown

of Customers 644
 Avg. Customer Duration 0.33

Explanations Comments

Garbage truck struck power pole causing blown fuses & breaker outage. Restored power to majority of customers, replaced the damaged pole restoring power to last few customers.

Service Area 571 Whitehorse

Date Reported 2013-05-04 Time Reported 18:00
 Outage Number RSM00205A Time Interrupted 18:00
 Planned Unplanned Time Restored 18:06
 Sub Number 17 Primary Cause 2 Trees
 Line Number 5L626 CEA Coding Trees
 Location Whitehorse-Multiple Areas

of Customers 2572
 Avg. Customer Duration 0.10

Explanations Comments

Underfrequency load shed due to closing on a fault, which caused a brief outage to breaker S6838

Service Area 571 Whitehorse

Date Reported 2013-05-21 Time Reported 15:07
 Outage Number SMB00091 Time Interrupted 15:07
 Planned Unplanned Time Restored 15:35
 Sub Number 6 Primary Cause 14 Unknown
 Line Number 4L304 CEA Coding Unknown/Other
 Location Whitehorse-Porter Creek

of Customers 766
 Avg. Customer Duration 0.47

Explanations Comments

Loss of 1.5MW from S6838 when S9403 feeder in Porter Creek substation opened. Patrolled lines no cause found. Reclosed, breaker held

Board Report (>50 custs)



Service Area	571 Whitehorse
Date Reported	2013-05-23
Outage Number	SMB00092
Planned	Unplanned
Sub Number	6
Line Number	4L304
Location	Whitehorse-Multiple Areas
Time Reported	12:51
Time Interrupted	12:51
Time Restored	13:00
Primary Cause	14 Unknown
CEA Coding	Unknown/Other
# of Customers	2461
Avg. Customer Duration	0.26
Explanations Comments	Breaker S9403 opened on a phase to phase fault, which operated Stage 1 underfrequency and opened S6838. Line patrol found no cause. Re energized in stages.

Service Area	571 Whitehorse
Date Reported	2013-06-01
Outage Number	RJZ00321
Planned	Unplanned
Sub Number	21
Line Number	5L648
Location	Whitehorse-Alaska Hwy North
Time Reported	7:30
Time Interrupted	7:30
Time Restored	9:25
Primary Cause	8 Equipment Failure
CEA Coding	Defective Equipment
# of Customers	198
Avg. Customer Duration	2.95
Explanations Comments	Transformer pole at Takhini River Subdivision burnt down, sectionalized up to the tap off and replaced pole.

Service Area	571 Whitehorse
Date Reported	2013-06-02
Outage Number	RJZ00323
Planned	Unplanned
Sub Number	21
Line Number	5L628
Location	Whitehorse-Crestview
Time Reported	10:30
Time Interrupted	12:50
Time Restored	13:30
Primary Cause	8 Equipment Failure
CEA Coding	Defective Equipment
# of Customers	681
Avg. Customer Duration	0.67
Explanations Comments	Crossarm burnt off. A phase floating. Outage taken to customers in Crestview & Kulan to replace equipment.

Board Report (>50 custs)



Service Area 571 Whitehorse

Date Reported 2013-06-04 Time Reported 11:34
 Outage Number WAF130604-571 Time Interrupted 11:34
 Planned Unplanned Time Restored : 0
 Sub Number Primary Cause 16 YEC System Outage
 Line Number WAF CEA Coding Loss of Supply - Yukon Energy
 Location

of Customers 11584
 Avg. Customer Duration 0.00

Explanations Comments
 YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line.

Service Area 571 Whitehorse

Date Reported 2013-06-16 Time Reported 23:41
 Outage Number RSM00210 Time Interrupted 23:41
 Planned Unplanned Time Restored 12:49
 Sub Number 17 Primary Cause 22 YEC Generation/Transm
 Line Number 5L625 CEA Coding Loss of Supply - Yukon Energy
 Location Whitehorse-Multiple Areas

of Customers 2824
 Avg. Customer Duration 13.13

Explanations Comments
 Yukon Energy Corporation lost L170 due to a fault (tree) . Stage 3 operated breaker S6837 tripped off.

Service Area 571 Whitehorse

Date Reported 2013-06-17 Time Reported 12:00
 Outage Number SMB00098 Time Interrupted 12:00
 Planned Unplanned Time Restored 17:50
 Sub Number 28 Primary Cause 14 Unknown
 Line Number 4L306 CEA Coding Unknown/Other
 Location Whitehorse-Range Road

of Customers 50
 Avg. Customer Duration 5.83

Explanations Comments
 No cause found, suspect fuse in the switch undersized. Upgraded from 50 to 80amp fuse

Board Report (>50 custs)



Service Area	571 Whitehorse
Date Reported	2013-06-17
Time Reported	: 0
Outage Number	SMB00099
Time Interrupted	13:00
Planned	Unplanned
Time Restored	13:31
Sub Number	3
Primary Cause	2 Trees
Line Number	4L319
CEA Coding	Trees
Location	Whitehorse-Riverdale
# of Customers	484
Avg. Customer Duration	0.52
Explanations Comments	Emergency outage to S9400 to remove a burning tree, extreme winds at the time

Service Area	571 Whitehorse
Date Reported	2013-06-17
Time Reported	11:40
Outage Number	SMB00100
Time Interrupted	11:40
Planned	Unplanned
Time Restored	12:01
Sub Number	28
Primary Cause	2 Trees
Line Number	4L305
CEA Coding	Trees
Location	Whitehorse-Range Road
# of Customers	650
Avg. Customer Duration	0.35
Explanations Comments	Tree fell on line near the creek on Range Road. Tree was removed and power restored

Service Area	571 Whitehorse
Date Reported	2013-06-17
Time Reported	13:06
Outage Number	SMB00101
Time Interrupted	13:06
Planned	Unplanned
Time Restored	13:27
Sub Number	28
Primary Cause	2 Trees
Line Number	4L306
CEA Coding	Trees
Location	Whitehorse-Multiple Areas
# of Customers	1300
Avg. Customer Duration	0.46
Explanations Comments	Tree fell on the main line, breaker opened, isolated and re energized customers, removed tree and restored remaining customers

Board Report (>50 custs)



Service Area	571 Whitehorse
Date Reported	2013-06-27
Outage Number	MP100032
Planned	Unplanned
Sub Number	21
Line Number	5L645
Location	Whitehorse-Mayo Road
Time Reported	18:55
Time Interrupted	18:50
Time Restored	20:01
Primary Cause	1 Lightning
CEA Coding	Lightning
# of Customers	63
Avg. Customer Duration	0.77
Explanations Comments	Blown transformer hit by lightning, blown main line fuse as well.

Service Area	571 Whitehorse
Date Reported	2013-06-30
Outage Number	SMB00103
Planned	Unplanned
Sub Number	17
Line Number	5L626
Location	Whitehorse-Multiple Areas
Time Reported	12:41
Time Interrupted	12:41
Time Restored	12:57
Primary Cause	22 YEC Generation/Transm
CEA Coding	Loss of Supply - Yukon Energy
# of Customers	2461
Avg. Customer Duration	0.30
Explanations Comments	YEC lost L170 causing a stage 1 under frequency trip on S6838. Deep Creek customers back on system at 1612hrs.

Service Area	572 Haines Junction
Date Reported	2013-06-01
Outage Number	RTW00265
Planned	Unplanned
Sub Number	20
Line Number	5L609
Location	
Time Reported	8:01
Time Interrupted	8:00
Time Restored	8:08
Primary Cause	14 Unknown
CEA Coding	Unknown/Other
# of Customers	277
Avg. Customer Duration	0.13
Explanations Comments	Breaker S8343 opened and locked open, turned to local and reclosed. Unknown cause at the time, under investigation.

Board Report (>50 custs)



Service Area 572 Haines Junction

Date Reported 2013-06-04 **Time Reported** 11:34

Outage Number WAF130604-572 **Time Interrupted** 11:34

Planned Unplanned **Time Restored** : 0

Sub Number **Primary Cause** 16 YEC System Outage

Line Number WAF **CEA Coding** Loss of Supply - Yukon Energy

Location

of Customers 495

Avg. Customer Duration 0.00

Explanations Comments

YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line. Backup generation did not start.

Service Area 573 Watson Lake

Date Reported 2013-05-13 **Time Reported** 19:15

Outage Number RGG00075 **Time Interrupted** 19:15

Planned Unplanned **Time Restored** 19:43

Sub Number 31 **Primary Cause** 6 Vehicles

Line Number 5L619 **CEA Coding** Foreign Interference

Location Watson Lake

of Customers 400

Avg. Customer Duration 0.47

Explanations Comments

Power outage due to a vehicle hitting communication line causing the 25kV line to slap together.

Service Area 574 Carcross

Date Reported 2013-05-04 **Time Reported** 16:50

Outage Number RSM00204 **Time Interrupted** 16:50

Planned Unplanned **Time Restored** 18:58

Sub Number S150 **Primary Cause** 2 Trees

Line Number 5L623 **CEA Coding** Trees

Location Whitehorse-Carcross Road

of Customers 710

Avg. Customer Duration 2.13

Explanations Comments

Tree across the main power line caused outage to breaker S6839

Board Report (>50 custs)



Service Area	574 Carcross
Date Reported	2013-06-04
Time Reported	11:34
Outage Number	WAF130604-574
Time Interrupted	11:34
Planned	Unplanned
Time Restored	: 0
Primary Cause	16 YEC System Outage
CEA Coding	Loss of Supply - Yukon Energy
Sub Number	5L601
Line Number	5L601
Location	
# of Customers	317
Avg. Customer Duration	0.00
Explanations Comments YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line.	

Service Area	575 Carmacks
Date Reported	2013-05-04
Time Reported	17:40
Outage Number	SMB00085
Time Interrupted	17:38
Planned	Unplanned
Time Restored	22:09
Primary Cause	2 Trees
CEA Coding	Trees
Sub Number	5L606
Line Number	5L606
Location	
# of Customers	80
Avg. Customer Duration	4.52
Explanations Comments Tree came down through the line, causing an outage to customers on River Road	

Service Area	575 Carmacks
Date Reported	2013-06-04
Time Reported	11:34
Outage Number	WAF130604-575
Time Interrupted	11:34
Planned	Unplanned
Time Restored	: 0
Primary Cause	16 YEC System Outage
CEA Coding	Loss of Supply - Yukon Energy
Sub Number	5L606
Line Number	5L606
Location	
# of Customers	289
Avg. Customer Duration	0.10
Explanations Comments YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line. Backup generation did start.	

Board Report (>50 custs)



Service Area 575 Carmacks

Date Reported 2013-06-30 Time Reported 12:41 # of Customers 350
 Outage Number SMB00107 Time Interrupted 12:41 Avg. Customer Duration 0.07

Planned Unplanned
 Sub Number
 Line Number L170
 Location
 Primary Cause 22 YEC Generation/Transm
 CEA Coding Loss of Supply - Yukon Energy

Explanations Comments
 Brief outage before Carmacks went on diesel back up see DIR
 SMB00103

Service Area 576 Teslin

Date Reported 2013-04-02 Time Reported 6:15 # of Customers 353
 Outage Number RJZ00316 Time Interrupted 2:43 Avg. Customer Duration 1.06

Planned Unplanned
 Sub Number S150
 Line Number 5L622
 Location
 Time Restored 2:45
 Primary Cause 4 Icing
 CEA Coding Adverse Weather

Explanations Comments
 S9562 tripped on phase fault due to heavy snow loading.
 Back up diesel generator picked up Village of Teslin after a brief outage.

Service Area 576 Teslin

Date Reported 2013-05-31 Time Reported 19:00 # of Customers 50
 Outage Number GLP00032 Time Interrupted 19:00 Avg. Customer Duration 2.67

Planned Unplanned
 Sub Number 27
 Line Number 5L622
 Location Teslin
 Time Restored 21:40
 Primary Cause 8 Equipment Failure
 CEA Coding Defective Equipment

Explanations Comments
 Broken insulator caused outage to a number of customers in Teslin

Board Report (>50 custs)



Service Area	576 Teslin				
Date Reported	2013-06-04	Time Reported	20:26	# of Customers	827
Outage Number	RJZ00325	Time Interrupted	20:16	Avg. Customer Duration	3.11
Planned	Unplanned	Time Restored	21:23	Explanations Comments Large tree fell on the 3 phase 34kVA line breaking the line, fire started. Fire extinguished, line repaired, power restored in stages.	
Sub Number	S150	Primary Cause	2 Trees		
Line Number	5L622	CEA Coding	Trees		
Location	Teslin				

Service Area	576 Teslin				
Date Reported	2013-06-04	Time Reported	11:34	# of Customers	351
Outage Number	WAF130604-576	Time Interrupted	11:34	Avg. Customer Duration	0.00
Planned	Unplanned	Time Restored	: 0	Explanations Comments YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line. Backup generation did not start.	
Sub Number		Primary Cause	16 YEC System Outage		
Line Number	WAF	CEA Coding	Loss of Supply - Yukon Energy		
Location					

Service Area	578 Beaver Creek				
Date Reported	2013-06-05	Time Reported	11:58	# of Customers	120
Outage Number	CLA000001	Time Interrupted	11:58	Avg. Customer Duration	0.13
Planned	Unplanned	Time Restored	12:06	Explanations Comments Community was on standby generation for plant maintenance when the unit cut out due to a faulty temperature switch. Power restored after a brief outage.	
Sub Number		Primary Cause	21 YECL Plant Outage		
Line Number	0L	CEA Coding	Loss of Supply - Yukon Electrical		
Location					

Board Report (>50 custs)



Service Area 579 Old Crow

Date Reported 2013-04-16 **Time Reported** 16:12 **# of Customers** 199
Outage Number PTM000125 **Time Interrupted** 16:12 **Avg. Customer Duration** 0.40
Planned Unplanned **Time Restored** 16:36
Sub Number 21 YECL Plant Outage
Line Number 0L **CEA Coding** Loss of Supply - Yukon Electrical
Location Old Crow

Explanations Comments
 Unit #1 developed a coolant leak which activated the fuel spill float shutting down the plant.

Service Area 579 Old Crow

Date Reported 2013-05-01 **Time Reported** 18:52 **# of Customers** 197
Outage Number PTM00126 **Time Interrupted** 18:52 **Avg. Customer Duration** 0.03
Planned Unplanned **Time Restored** 18:54
Sub Number 21 YECL Plant Outage
Line Number 0L **CEA Coding** Loss of Supply - Yukon Electrical
Location Old Crow

Explanations Comments
 Plant outage in Old Crow due too operator error, units were brought on line to quickly.

Service Area 580 Keno City

Date Reported 2013-06-30 **Time Reported** 12:41 **# of Customers** 56
Outage Number SMB00106 **Time Interrupted** 12:27 **Avg. Customer Duration** 0.55
Planned Unplanned **Time Restored** 13:00
Sub Number s257 **Primary Cause** 22 YEC Generation/Transm
Line Number 0L **CEA Coding** Loss of Supply - Yukon Energy
Location

Explanations Comments
 Brief outage to Keno, when YEC lost transmission line temporarily

Board Report (>50 custs)



Service Area 582 Ross River

of Customers 218

Date Reported 2013-06-04 **Time Reported** 11:34

Outage Number WAF130604-582 **Time Interrupted** 11:34

Planned Unplanned **Time Restored** : 0

Primary Cause 16 YEC System Outage

CEA Coding Loss of Supply - Yukon Energy

Explanations Comments
YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line. Backup generation did not start.

Service Area 582 Ross River

of Customers 200

Date Reported 2013-06-30 **Time Reported** 12:41

Outage Number SMB00108 **Time Interrupted** 12:41

Planned Unplanned **Time Restored** 12:45

Primary Cause 22 YEC Generation/Transm

CEA Coding Loss of Supply - Yukon Energy

Explanations Comments
Brief outage when community went on back up diesel see DIR SMB00103

Service Area 583 Pelly Crossing

of Customers 180

Date Reported 2013-06-04 **Time Reported** 11:34

Outage Number WAF130604-583 **Time Interrupted** 11:34

Planned Unplanned **Time Restored** : 0

Primary Cause 16 YEC System Outage

CEA Coding Loss of Supply - Yukon Energy

Explanations Comments
YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line. Backup generation did start.

Board Report (>50 custs)



Service Area	585 Tagish				
Date Reported	2013-06-04	Time Reported	11:34	# of Customers	373
Outage Number	WAF130604-585	Time Interrupted	11:34	Avg. Customer Duration	0.00
Planned	Unplanned	Time Restored	:0	Explanations Comments YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line.	
Sub Number	16 YEC System Outage	Primary Cause	Loss of Supply - Yukon Energy		
Line Number	5L600	CEA Coding			
Location					

Service Area	592 Marsh Lake				
Date Reported	2013-04-01	Time Reported	21:30	# of Customers	384
Outage Number	MP100028	Time Interrupted	21:30	Avg. Customer Duration	1.89
Planned	Unplanned	Time Restored	1:11	Explanations Comments Line equipment failed during a snow storm, crew replaced equipment and restored power to the area in sections.	
Sub Number	24	Primary Cause	8 Equipment Failure		
Line Number	0L	CEA Coding	Defective Equipment		
Location	Marsh Lake				

Service Area	592 Marsh Lake				
Date Reported	2013-06-04	Time Reported	11:34	# of Customers	458
Outage Number	WAF130604-592	Time Interrupted	11:34	Avg. Customer Duration	0.00
Planned	Unplanned	Time Restored	:0	Explanations Comments YEC partial grid outage to the North of Whitehorse areas including Stewart Crossing and Keno (on at 12:35hrs). Ross River diesel back up did not come on line.	
Sub Number	16 YEC System Outage	Primary Cause	Loss of Supply - Yukon Energy		
Line Number	9L	CEA Coding			
Location					

Board Report (>50 custs)



Service Area 571 Whitehorse

Date Reported 2013-07-02 Time Reported 17:15 # of Customers 11584

Outage Number WAF130702-571 Time Interrupted 17:15 Avg. Customer Duration 0.58

Planned Unplanned Time Restored : 0

Sub Number Primary Cause 22 YEC Generation/Transm

Line Number WAF CEA Coding Loss of Supply - Yukon Energy

Location

Explanations Comments

Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.

Service Area 571 Whitehorse

Date Reported 2013-07-12 Time Reported 21:47 # of Customers 400

Outage Number GLP00033 Time Interrupted 21:44 Avg. Customer Duration 1.40

Planned Unplanned Time Restored 23:08

Sub Number 17 Primary Cause 9 Bird/Animal

Line Number 5L626 CEA Coding Foreign Interference

Location Whitehorse-Multiple Areas

Explanations Comments

SCC called, breaker S6838 opened, patrolled and found raven in the Whistlebend Substation, believed to be the cause.

Service Area 571 Whitehorse

Date Reported 2013-07-22 Time Reported 9:37 # of Customers 1706

Outage Number RJZ00347 Time Interrupted 9:37 Avg. Customer Duration 0.48

Planned Unplanned Time Restored 10:06

Sub Number 17 Primary Cause 9 Bird/Animal

Line Number 5L626 CEA Coding Foreign Interference

Location Whitehorse-Multiple Areas

Explanations Comments

Breaker S6838 tripped causing outage to north end of the City when raven landed on TI in the Whistlebend Substation

Board Report (>50 custs)



Service Area

Date Reported 2013-07-25 **Time Reported** 17:55
Outage Number MWG00062 **Time Interrupted** 17:40
Planned Unplanned **Time Restored** 22:30
Sub Number 11 **Primary Cause** 8 Equipment Failure
Line Number 5L631 **CEA Coding** Defective Equipment
Location Whitehorse-McCrae

of Customers 1000
Avg. Customer Duration 4.83

Explanations Comments

Fused disconnect failed , breaker outage was required to safely affect repairs and replace damaged equipment

Service Area

Date Reported 2013-07-25 **Time Reported** 11:30
Outage Number RIZ00349 **Time Interrupted** 11:30
Planned Unplanned **Time Restored** 13:35
Sub Number 21 **Primary Cause** 8 Equipment Failure
Line Number 5L645 **CEA Coding** Defective Equipment
Location Whitehorse-Mayo Road

of Customers 681
Avg. Customer Duration 2.08

Explanations Comments

Faulted cutout switch on the main line caused breaker S8686 to trip

Service Area

Date Reported 2013-08-08 **Time Reported** 9:00
Outage Number SMB00110 **Time Interrupted** 9:00
Planned Unplanned **Time Restored** 9:28
Sub Number 21 **Primary Cause** 14 Unknown
Line Number 5L645 **CEA Coding** Unknown/Other
Location Whitehorse-Multiple Areas

of Customers 680
Avg. Customer Duration 0.47

Explanations Comments

Breaker S8686 opened on an A to ground fault, patrolled, no cause found

Board Report (>50 custs)



Service Area	571 Whitehorse	
Date Reported	2013-08-25	Time Reported 9:01
Outage Number	GLP00033A	Time Interrupted 9:00
Planned	Unplanned	Time Restored 10:15
Sub Number	17	Primary Cause 14 Unknown
Line Number	5L626	CEA Coding Unknown/Other
Location	Whitehorse-Multiple Areas	
	# of Customers	1706
	Avg. Customer Duration	1.25
	Explanations Comments Breaker S6838 opened unknown cause, believe it was a transient fault on the 34kV	

Service Area	571 Whitehorse	
Date Reported	2013-09-10	Time Reported 9:55
Outage Number	WAF130910-571	Time Interrupted 9:55
Planned	Unplanned	Time Restored : 0
Sub Number	WAF	Primary Cause 22 YEC Generation/Transm
Line Number	WAF	CEA Coding Loss of Supply - Yukon Energy
Location		
	# of Customers	11584
	Avg. Customer Duration	0.53
	Explanations Comments Partial system outage during system switching, power restored, investigation underway	

Service Area	572 Haines Junction	
Date Reported	2013-07-02	Time Reported 17:15
Outage Number	WAF130702-572	Time Interrupted 17:15
Planned	Unplanned	Time Restored : 0
Sub Number	WAF	Primary Cause 22 YEC Generation/Transm
Line Number	WAF	CEA Coding Loss of Supply - Yukon Energy
Location		
	# of Customers	495
	Avg. Customer Duration	0.03
	Explanations Comments Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.	

Board Report (>50 custs)



Service Area 572 Haines Junction

Date Reported 2013-07-11 **Time Reported** 14:31
Outage Number SMB00112 **Time Interrupted** 14:31
Planned Unplanned **Time Restored** 14:34
Sub Number 20 **Primary Cause** 16 YEC System Outage
Line Number 5L608 **CEA Coding** Loss of Supply - Yukon Energy
Location

of Customers 475
Avg. Customer Duration 0.05

Explanations Comments
 Brief outage to Village of Haines Junction until standby diesel came on line

Service Area 572 Haines Junction

Date Reported 2013-08-29 **Time Reported** 9:55
Outage Number RTW00273 **Time Interrupted** 9:54
Planned Unplanned **Time Restored** 9:59
Sub Number **Primary Cause** 8 Equipment Failure
Line Number 0L **CEA Coding** Defective Equipment
Location

of Customers 1024
Avg. Customer Duration 0.33

Explanations Comments
 Problem with OSS when separating Haines Junction from the grid for planned outage for YEC. Second outage later in the day to sync back on to the grid.

Service Area 572 Haines Junction

Date Reported 2013-09-10 **Time Reported** 9:55
Outage Number WAF130910-572 **Time Interrupted** 9:55
Planned Unplanned **Time Restored** : 0
Sub Number **Primary Cause** 22 YEC Generation/Transm
Line Number WAF **CEA Coding** Loss of Supply - Yukon Energy
Location

of Customers 495
Avg. Customer Duration 0.00

Explanations Comments
 Partial system outage during system switching, power restored, investigation underway

Board Report (>50 custs)



Service Area 572 Haines Junction

Date Reported 2013-09-27 **Time Reported** 15:11
Outage Number MWG00063 **Time Interrupted** 15:10
Planned Unplanned **Time Restored** 16:55
Sub Number 20 **Primary Cause** 3 Wind
Line Number 5L609 **CEA Coding** Adverse Weather
Location

of Customers 200
Avg. Customer Duration 1.75

Explanations Comments

Breaker S2975 operated causing outage to portion of Haines Junction. Patrolled area, no cause found. Strong winds at the time.

Service Area 573 Watson Lake

Date Reported 2013-07-05 **Time Reported** 18:27
Outage Number RTW00270 **Time Interrupted** 18:27
Planned Unplanned **Time Restored** 18:38
Sub Number 31 **Primary Cause** 14 Unknown
Line Number 5L620 **CEA Coding** Unknown/Other
Location Watson Lake

of Customers 220
Avg. Customer Duration 0.18

Explanations Comments

Breaker S7237 opened on B phase to ground fault, reclosed the breaker, no cause found

Service Area 573 Watson Lake

Date Reported 2013-07-06 **Time Reported** 7:52
Outage Number RTW000271 **Time Interrupted** 7:52
Planned Unplanned **Time Restored** 8:06
Sub Number 31 **Primary Cause** 14 Unknown
Line Number 5L620 **CEA Coding** Unknown/Other
Location Watson Lake

of Customers 220
Avg. Customer Duration 0.23

Explanations Comments

Breaker S7237 opened on fault B phase to ground. Reclosed breaker, patrolled no problem found.

Board Report (>50 custs)



Service Area 573 Watson Lake

Date Reported 2013-07-21 **Time Reported** 14:00
Outage Number SDT00001 **Time Interrupted** 13:59
Planned Unplanned **Time Restored** 14:05
Sub Number 31 **Primary Cause** 21 YECL Plant Outage
Line Number 5L619 **CEA Coding** Loss of Supply - Yukon Electrical
Location Watson Lake

of Customers 974
Avg. Customer Duration 0.10

Explanations Comments

Brief outage caused by problems with the PLC. all breakers in the plant tripped. Contractors working on the units at the time.

Service Area 573 Watson Lake

Date Reported 2013-08-17 **Time Reported** 17:30
Outage Number SDT00002 **Time Interrupted** 17:20
Planned Unplanned **Time Restored** 18:40
Sub Number 31 **Primary Cause** 14 Unknown
Line Number 0L **CEA Coding** Unknown/Other
Location Watson Lake

of Customers 400
Avg. Customer Duration 1.33

Explanations Comments

Breaker S7230 opened. Patrolled line, no cause found, closed breaker, re energized.

Service Area 573 Watson Lake

Date Reported 2013-08-19 **Time Reported** 23:59
Outage Number SDT00004 **Time Interrupted** 23:50
Planned Unplanned **Time Restored** 7:15
Sub Number 31 **Primary Cause** 8 Equipment Failure
Line Number 5L621 **CEA Coding** Defective Equipment
Location Watson Lake

of Customers 300
Avg. Customer Duration 7.42

Explanations Comments

Breaker S7242 opened, patrolled lines, damaged switch located and replaced, breaker closed, re energized

Board Report (>50 custs)



Service Area	574 Carcross		
Date Reported	2013-07-02	Time Reported	17:15
Outage Number	WAF130702-574	Time Interrupted	17:15
Planned	Unplanned	Time Restored	: 0
Sub Number	5L601	Primary Cause	22 YEC Generation/Transm
Line Number	5L601	CEA Coding	Loss of Supply - Yukon Energy
Location			
	# of Customers	317	
	Avg. Customer Duration	0.00	
	Explanations Comments Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.		

Service Area	574 Carcross		
Date Reported	2013-08-06	Time Reported	21:00
Outage Number	RGC00004	Time Interrupted	20:39
Planned	Unplanned	Time Restored	1:57
Sub Number	S150	Primary Cause	8 Equipment Failure
Line Number	5L623	CEA Coding	Defective Equipment
Location			
	# of Customers	324	
	Avg. Customer Duration	5.30	
	Explanations Comments Power pole broken at the base tripped off line to Carcross. Removed and replaced pole and transferred wire.		

Service Area	574 Carcross		
Date Reported	2013-09-10	Time Reported	9:55
Outage Number	WAF130910-574	Time Interrupted	9:55
Planned	Unplanned	Time Restored	: 0
Sub Number	5L601	Primary Cause	22 YEC Generation/Transm
Line Number	5L601	CEA Coding	Loss of Supply - Yukon Energy
Location			
	# of Customers	317	
	Avg. Customer Duration	0.00	
	Explanations Comments Partial system outage during system switching, power restored, investigation underway		

Board Report (>50 custs)



Service Area

Date Reported 2013-07-02 Time Reported 17:15 # of Customers 289
 Outage Number WAF130702-575 Time Interrupted 17:15 Avg. Customer Duration 0.03

Planned Unplanned Time Restored : 0
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number 5L606 CEA Coding Loss of Supply - Yukon Energy
 Location

Explanations Comments

Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.

Service Area

Date Reported 2013-07-08 Time Reported 22:00 # of Customers 106
 Outage Number BAC00139 Time Interrupted 22:00 Avg. Customer Duration 3.46

Planned Unplanned Time Restored 3:40
 Sub Number 18 Primary Cause 8 Equipment Failure
 Line Number 5L606 CEA Coding Defective Equipment
 Location

Explanations Comments

Leaking insulator on switch damaged pole at neutral attachment. All but 10 customers restored on initial outage.

Service Area

Date Reported 2013-09-08 Time Reported 8:11 # of Customers 292
 Outage Number RIZ00354 Time Interrupted 8:06 Avg. Customer Duration 0.05

Planned Unplanned Time Restored 8:09
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number LI70 CEA Coding Loss of Supply - Yukon Energy
 Location

Explanations Comments

Loss of supply, when YEC lost LI70 causing outage to Carmacks, Deep Creek and Ross River

Board Report (>50 custs)



Service Area 576 Teslin

Date Reported 2013-07-02 Time Reported 17:15 # of Customers 351
 Outage Number WAF130702-576 Time Interrupted 17:15 Avg. Customer Duration 0.00

Planned Unplanned Time Restored : 0
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number WAF CEA Coding Loss of Supply - Yukon Energy
 Location

Explanations Comments
 Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.

Service Area 576 Teslin

Date Reported 2013-09-08 Time Reported 13:45 # of Customers 361
 Outage Number RIZ00355 Time Interrupted 13:45 Avg. Customer Duration 0.86

Planned Unplanned Time Restored 13:48
 Sub Number S150 Primary Cause 2 Trees
 Line Number 5L622 CEA Coding Trees
 Location Teslin

Explanations Comments
 Large tree fell across the 3 phase 34kV line to Teslin by Judas Creek. Isolated and removed the tree, power restored.

Service Area 580 Keno City

Date Reported 2013-07-22 Time Reported 11:00 # of Customers 57
 Outage Number RIZ00348 Time Interrupted 11:00 Avg. Customer Duration 15.50

Planned Unplanned Time Restored 2:30
 Sub Number Primary Cause 14 Unknown
 Line Number 3L403 CEA Coding Unknown/Other
 Location

Explanations Comments
 Outage to Keno City-no cause found.

Board Report (>50 custs)



Service Area

Date Reported 2013-07-02 Time Reported 17:15 # of Customers 218
 Outage Number WAF130702-582 Time Interrupted 17:15 Avg. Customer Duration 0.00

Planned Unplanned Time Restored : 0
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number 5L618 CEA Coding Loss of Supply - Yukon Energy
 Location

Explanations Comments
 Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.

Service Area

Date Reported 2013-09-08 Time Reported 8:11 # of Customers 219
 Outage Number RJZ00354B Time Interrupted 8:06 Avg. Customer Duration 0.05

Planned Unplanned Time Restored 8:09
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number L170 CEA Coding Loss of Supply - Yukon Energy
 Location

Explanations Comments
 Loss of supply, YEC lost L170 causing outage to Carmacks, Deep Creek, and Ross River-see RJZ00354

Service Area

Date Reported 2013-07-02 Time Reported 17:15 # of Customers 180
 Outage Number WAF130702-583 Time Interrupted 17:15 Avg. Customer Duration 0.03

Planned Unplanned Time Restored : 0
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number 4L302 CEA Coding Loss of Supply - Yukon Energy
 Location

Explanations Comments
 Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.

Board Report (>50 custs)



Service Area 585 Tagish

Date Reported 2013-07-02 Time Reported 17:15 # of Customers 373
 Outage Number WAF130702-585 Time Interrupted 17:15 Avg. Customer Duration 0.00

Planned Unplanned Time Restored : 0
 Sub Number Primary Cause 22 YEC Generation/Transm
 Line Number 5L600 CEA Coding Loss of Supply - Yukon Energy
 Location

Explanations Comments
 Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.

Service Area 585 Tagish

Date Reported 2013-09-06 Time Reported 23:15 # of Customers 50
 Outage Number RSM00223 Time Interrupted 23:15 Avg. Customer Duration 8.75

Planned Unplanned Time Restored 8:00
 Sub Number 301 Primary Cause 2 Trees
 Line Number 5L600 CEA Coding Trees
 Location Tagish

Explanations Comments
 Poplar trees contacted lines in high winds, caused 5amp line fuse to blow. Removed trees and re energized line.

Service Area 585 Tagish

Date Reported 2013-09-12 Time Reported :21 # of Customers 373
 Outage Number BAC00146 Time Interrupted 23:45 Avg. Customer Duration 14.75

Planned Unplanned Time Restored 14:30
 Sub Number 301 Primary Cause 3 Wind
 Line Number 5L600 CEA Coding Adverse Weather
 Location Tagish

Explanations Comments
 Large tree brought down spans of primary wire causing outage to part of Tagish area

Board Report (>50 custs)



Service Area 592 Marsh Lake

Date Reported 2013-07-02 Time Reported 17:15

Outage Number WAF130702-592 Time Interrupted 17:15

Planned Unplanned Time Restored : 0

Sub Number Primary Cause 22 YEC Generation/Transm

Line Number 9L CEA Coding Loss of Supply - Yukon Energy

Location

of Customers 458

Avg. Customer Duration 0.00

Explanations Comments

Tree on the YEC transmission line behind Hyland Cres. Once YECL removed tree & fire was put out, YECL & YEC began restoring power in stages.