

January 20, 2021

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

Attention: Deana Lemke, Yukon Utilities Board Executive Secretary

Dear Deana Lemke:

**Re: Service Interruptions**

In accordance with Board Decision 1989-5, attached is the summary of major unplanned outages for the months of October, November and December of 2020. 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 633-7080, if you require any additional information or clarification.

Yours sincerely,



Bill Cullen, PLT  
Manager  
*ATCO Electric Yukon*

WPC/vlm  
Encl.

# Outages

<b>Service Area</b> 571 Whitehorse	<b>Location</b> Carmacks	<b>Customer-Hrs of Interruption</b> 5:14
<b>Date Reported</b> 2020-12-26	<b>CityTown</b> carmacks	<b>Number of Customers Affected</b> 314
<b>Outage Number</b> AMI00266	<b>Time Reported</b> 18:00	<b>Avg. Customer Outage Duration</b> :01
<b>Planned</b> Unplanned	<b>First Interruption</b> 16:30	<b>Explanations and Comments</b> YEC lost a breaker in Minto sub causing L173 to trip off. Carmacks, Ross River and Pelly Xing stand by diesels fired up.
<b>Sub Number</b> 18 Carmacks	<b>Last Restoration</b> 16:31	
<b>Line Number</b> 5L604	<b>Primary Cause</b> 16 YEC System Outage	
	<b>CEA Coding</b> Loss of Supply - Yukon Ener	

<b>Service Area</b> 582 Ross River	<b>Location</b> Ross River	<b>Customer-Hrs of Interruption</b> 3:53
<b>Date Reported</b> 2020-12-26	<b>CityTown</b> Ross River	<b>Number of Customers Affected</b> 233
<b>Outage Number</b> AMI00267	<b>Time Reported</b> 18:00	<b>Avg. Customer Outage Duration</b> :01
<b>Planned</b> Unplanned	<b>First Interruption</b> 16:30	<b>Explanations and Comments</b> YEC lost L173
<b>Sub Number</b> 19 Ross River	<b>Last Restoration</b> 16:31	
<b>Line Number</b> 5L618	<b>Primary Cause</b> 16 YEC System Outage	
	<b>CEA Coding</b> Loss of Supply - Yukon Ener	

<b>Service Area</b> 583 Pelly Crossing	<b>Location</b> Pelly Crossing	<b>Customer-Hrs of Interruption</b> 3:13
<b>Date Reported</b> 2020-12-26	<b>CityTown</b> Pelly Crossing	<b>Number of Customers Affected</b> 193
<b>Outage Number</b> AMI00268	<b>Time Reported</b> 18:00	<b>Avg. Customer Outage Duration</b> 0:01
<b>Planned</b> Unplanned	<b>First Interruption</b> 16:30	<b>Explanations and Comments</b> YEC lost L173
<b>Sub Number</b> 304 Pelly Crossing	<b>Last Restoration</b> 16:31	
<b>Line Number</b> 3L407	<b>Primary Cause</b> 16 YEC System Outage	
	<b>CEA Coding</b> Loss of Supply - Yukon Ener	

<b>Service Area</b> 582 Ross River	<b>Location</b> Ross River	<b>Customer-Hrs of Interruption</b> 91:37
<b>Date Reported</b> 2020-10-04	<b>CityTown</b> Ross River	<b>Number of Customers Affected</b> 239
<b>Outage Number</b> BAC00328	<b>Time Reported</b> 4:45	<b>Avg. Customer Outage Duration</b> :23
<b>Planned</b> Unplanned	<b>First Interruption</b> 4:25	<b>Explanations and Comments</b> Temporary outage to YEC Ross River transmission line resulted in our diesel plant coming online. I went to dispatch to return the town to grid power.
<b>Sub Number</b> 19 Ross River	<b>Last Restoration</b> 4:48	
<b>Line Number</b> 5L618	<b>Primary Cause</b> 16 YEC System Outage	
	<b>CEA Coding</b> Loss of Supply - Yukon Ener	

# Outages

**Service Area** 582 Ross River

**Location** Ross River

**Customer-Hrs of Interruption** 11:57

**Date Reported** 2020-10-05

**CityTown** Ross River

**Number of Customers Affected** 239

**Outage Number** BAC00329

**Time Reported** 20:30

**Avg. Customer Outage Duration** :03

**Planned** Unplanned

**First Interruption** 20:20

**Explanations and Comments**

**Sub Number** 19 Ross River

**Last Restoration** 20:23

Outage to YEC Ross River transmission line resulted in our diesel plant coming online. YEC informed me that the line would be staying off overnight until they had a chance to patrol it in the morning. I went to dispatch to check that the plant was operating properly and that the fuel was sufficient..

**Line Number** 5L618

**Primary Cause** 16 YEC System Outage

**CEA Coding** Loss of Supply - Yukon Ener

Duration changed from 24hrs to 3min by Duncan. Plant came on, customers had power.

**Service Area** 574 Carcross

**Location** Carcross

**Customer-Hrs of Interruption** 327:30

**Date Reported** 2020-12-05

**CityTown** Carcross

**Number of Customers Affected** 150

**Outage Number** DLM00117

**Time Reported** 5:20

**Avg. Customer Outage Duration** 2:11

**Planned** Unplanned

**First Interruption** 5:20

**Explanations and Comments**

**Sub Number** 301 Carcross

**Last Restoration** 7:31

Frost build up on double circuit, caused a fault on the 25kv line feeding Carcross.

**Line Number** 5L601

**Primary Cause** 4 Icing

**CEA Coding** Adverse Weather

**Service Area** 571 Whitehorse

**Location** Marsh Lake

**Customer-Hrs of Interruption** 5136:00

**Date Reported** 2020-12-16

**CityTown** alaska hwy south

**Number of Customers Affected** 856

**Outage Number** DLM00129

**Time Reported** 12:05

**Avg. Customer Outage Duration** 6:00

**Planned** Unplanned

**First Interruption** 12:00

**Explanations and Comments**

**Sub Number** S150 Whitehorse

**Last Restoration** 18:00

hit pole from semi truck loosing control on the hwy slindin gdown the ditch and hitting the guy wire breaking the pole off. had to do snow plowing and remove semi to install the new pole. Aaron, Boyd Matt, Cody, Gibbson, Artic back hoe, 856 customer off at the start. teslin plant picked up the town getting 250 customer back on within 10 min.

**Line Number** 6L19

**Primary Cause** 6 Vehicles

**CEA Coding** Foreign Interference

# Outages

<b>Service Area</b> 576 Teslin	<b>Location</b> Teslin	<b>Customer-Hrs of Interruption</b> 14:30
<b>Date Reported</b> 2020-12-16	<b>CityTown</b> Teslin	<b>Number of Customers Affected</b> 290
<b>Outage Number</b> DLM00132	<b>Time Reported</b> 12:05	<b>Avg. Customer Outage Duration</b> 0:03
<b>Planned</b> Unplanned	<b>First Interruption</b> 12:05	<b>Explanations and Comments</b> Village of Teslin was put on back up diesel during outage caused by vehicle contact with equipment.
<b>Sub Number</b> 27 Teslin	<b>Last Restoration</b> 12:08	
<b>Line Number</b> 5L614	<b>Primary Cause</b> 6 Vehicles	
	<b>CEA Coding</b> Foreign Interference	

<b>Service Area</b> 576 Teslin	<b>Location</b> Teslin-Cottage Lots	<b>Customer-Hrs of Interruption</b> 225:00
<b>Date Reported</b> 2020-11-05	<b>CityTown</b> teslin	<b>Number of Customers Affected</b> 60
<b>Outage Number</b> GCP00030	<b>Time Reported</b> 5:00	<b>Avg. Customer Outage Duration</b> 3:45
<b>Planned</b> Unplanned	<b>First Interruption</b> 5:00	<b>Explanations and Comments</b> Trees on mainline.
<b>Sub Number</b> 26 Teslin Lake (cott	<b>Last Restoration</b> 8:45	
<b>Line Number</b> 4L301	<b>Primary Cause</b> 3 Wind	
	<b>CEA Coding</b> Adverse Weather	

<b>Service Area</b> 574 Carcross	<b>Location</b> Carcross	<b>Customer-Hrs of Interruption</b> 90:00
<b>Date Reported</b> 2020-12-02	<b>CityTown</b> CCC/Kookatsoon rd	<b>Number of Customers Affected</b> 60
<b>Outage Number</b> JBM00006	<b>Time Reported</b> 0:30	<b>Avg. Customer Outage Duration</b> 1:30
<b>Planned</b> Unplanned	<b>First Interruption</b> 0:30	<b>Explanations and Comments</b> Approx. 15 Spans of wire needed to have snow removed. Due to Snow and low hanging wire they contacted eachother during the wind.
<b>Sub Number</b> 30 Robinson	<b>Last Restoration</b> 2:00	
<b>Line Number</b> 5L603	<b>Primary Cause</b> 3 Wind	
	<b>CEA Coding</b> Adverse Weather	

<b>Service Area</b> 571 Whitehorse	<b>Location</b> Wh-Deep Creek	<b>Customer-Hrs of Interruption</b> 1229:35
<b>Date Reported</b> 2020-10-26	<b>CityTown</b> Deep Creek	<b>Number of Customers Affected</b> 53
<b>Outage Number</b> MPJ00371	<b>Time Reported</b> 14:00	<b>Avg. Customer Outage Duration</b> 23:11
<b>Planned</b> Unplanned	<b>First Interruption</b> 14:00	<b>Explanations and Comments</b> Extreme windstorm. Had to leave off overnight due to manpower and storm conditions. Restored as quickly and safely as we could. Trees on the line and wire on the ground, including a broken primary pole.
<b>Sub Number</b> 21 LaBerge	<b>Last Restoration</b> 16:50	
<b>Line Number</b> 5L645	<b>Primary Cause</b> 2 Trees	
	<b>CEA Coding</b> Trees	

# Outages

<b>Service Area</b> 571 Whitehorse	<b>Location</b> Wh-Downtown	<b>Customer-Hrs of Interruption</b> 273:20
<b>Date Reported</b> 2020-11-24	<b>CityTown</b> Downtown	<b>Number of Customers Affected</b> 200
<b>Outage Number</b> MPJ00373	<b>Time Reported</b> 7:10	<b>Avg. Customer Outage Duration</b> 1:22
<b>Planned</b> Unplanned	<b>First Interruption</b> 7:55	<b>Explanations and Comments</b> Pole was contacted and broke by third party. Had to take emergency outage to isolate section of line.
<b>Sub Number</b> XX Selkirk	<b>Last Restoration</b> 12:05	
<b>Line Number</b> 4L322	<b>Primary Cause</b> 6 Vehicles <b>CEA Coding</b> Foreign Interference	

<b>Service Area</b> 576 Teslin	<b>Location</b> Teslin	<b>Customer-Hrs of Interruption</b> 336:45
<b>Date Reported</b> 2020-12-30	<b>CityTown</b> Teslin	<b>Number of Customers Affected</b> 115
<b>Outage Number</b> MPJ00374	<b>Time Reported</b> 13:39	<b>Avg. Customer Outage Duration</b> 2:55
<b>Planned</b> Unplanned	<b>First Interruption</b> 13:34	<b>Explanations and Comments</b> tree fell on the line, burnt through the conductor. Made repairs and reenergized the line. created another dir for the plant
<b>Sub Number</b> S150 Whitehorse	<b>Last Restoration</b> 17:17	
<b>Line Number</b> 6L19	<b>Primary Cause</b> 2 Trees <b>CEA Coding</b> Trees	

<b>Service Area</b> 576 Teslin	<b>Location</b> Teslin	<b>Customer-Hrs of Interruption</b> 11:10
<b>Date Reported</b> 2020-12-30	<b>CityTown</b> Teslin	<b>Number of Customers Affected</b> 265
<b>Outage Number</b> MPJ00375	<b>Time Reported</b> 15:38	<b>Avg. Customer Outage Duration</b> :02
<b>Planned</b> Unplanned	<b>First Interruption</b> 15:33	<b>Explanations and Comments</b> Brief outage to the Village of Teslin while the plant started up
<b>Sub Number</b> 27 Teslin	<b>Last Restoration</b> 15:36	
<b>Line Number</b> 6L19	<b>Primary Cause</b> 2 Trees <b>CEA Coding</b> Trees	

<b>Service Area</b> 578 Beaver Creek	<b>Location</b> Beaver Creek	<b>Customer-Hrs of Interruption</b> 300:00
<b>Date Reported</b> 2020-11-21	<b>CityTown</b> Beaver Creek	<b>Number of Customers Affected</b> 120
<b>Outage Number</b> RAF00131	<b>Time Reported</b> 11:30	<b>Avg. Customer Outage Duration</b> 2:30
<b>Planned</b> Unplanned	<b>First Interruption</b> 11:30	<b>Explanations and Comments</b> Plant fuel valve failed causing generators and source of supply to shutoff.
<b>Sub Number</b>	<b>Last Restoration</b> 14:00	
<b>Line Number</b> 3L400/3L461	<b>Primary Cause</b> 8 Equipment Failure <b>CEA Coding</b> Defective Equipment	