

Yukon Utilities Board
In the Matter of ATCO Electric Yukon
2016-2017 General Rate Application

YUKON UTILITIES BOARD		
EXHIBIT <u>B-19</u>		
DAY	ENTERED BY	DATE
	<u>YECU</u>	<u>NOV 2/16</u>

RESPONSE TO UNDERTAKING

November 1, 2016
Transcript Volume 1

Undertaking: By Mr. J. Massie to Mr. T. Marriott

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Provide a list of the key indicators and the actual and target values for each of the Watson Lake units for the last two years.

ATCO Electric Yukon Response:

A listing of key indicators, target values and a sample of actual values for the years 2015 and 2016 has been provided in the Attachment. Readings on each unit are taken daily as the units are running.

**ATCO Electric Yukon
Watson Lake Key Indicators Log**

Key Indicators	Target	Unit 1				Unit 2			
		Jan 2/15	May 26/15	Jan 3/16	May 28/16	Apr 23/15	May 14/15	Jan 10/16	May 30/16
Outlet Water Temp	79-99 C	89	89	92	84	91	90	92	92
Oil Pressure	275 kPa Min	420	420	400	430	520	520	510	520
Oil Temperature	110 C Max	99	99	99	93	101	92	102	102
Oil Filter Diff	105 kPa Max	0	0	0	0	45	35	45	45
Fuel Pressure	345-520 kPa	480	480	480	480	430	430	430	430
Air Restriction L/R	25" H2O Max	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Fuel Filter Diff	15 PSI Max	0	0	0	0	0	0	0	0
Cylinder Exhaust	540 C Max	440-460	450-465	435-460	430-450	465-495	445-470	455-490	490-515

Key Indicators	Target	Unit 3				Unit 4			
		Jan 14/15	May 28/15	Jan 10/16	May 31/16	Jan 2/15	May 29/15	Jan 1/16	May 26/16
Outlet Water Temp	79-99 C	89	92	92	92	87	89	87	89
Oil Pressure	275 kPa Min	420	420	420	420	432	424	420	412
Oil Temperature	110 C Max	99	102	103	103	85	99	99	100
Oil Filter Diff	105 kPa Max	55	60	60	60	69	74	73	76
Fuel Pressure	345-520 kPa	480	480	480	480	440	424	444	428
Air Restriction L/R	25" H2O Max	0/1	1/2	1/2	2/3	1	1	1	1
Fuel Filter Diff	15 PSI Max	0	0	0	0	0	12	2	0
Cylinder Exhaust	540 C Max	415-430	505-525	420-465	465-505	353-418	379-448	385-441	396-451

Key Indicators	Target	Unit 5				Unit 6			
		Jan 2/15	May 27/15	Jan 26/16	May 6/16	Jan 5/15	May 30/15	Jan 2/16	Jun 10/16
Outlet Water Temp	79-99 C	89	84	91	89	90	91	91	93
Oil Pressure	275 kPa Min	520	520	490	490	420	430	420	420
Oil Temperature	110 C Max	98	91	99	99	89	89	88	92
Oil Filter Diff	105 kPa Max	0	0	0	0	30	30	30	35
Fuel Pressure	345-520 kPa	580	550	530	530	410	380	390	350
Air Restriction L/R	25" H2O Max	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Fuel Filter Diff	15 PSI Max	1	1	0	0	1	1	1	0
Cylinder Exhaust	540 C Max	490-505	495-520	510-540	██████████	385-435	450-495	385-415	450-510

██████████ Unit was removed from service and repairs were carried out

Note: All values including "0" are actual readings.