

APPENDIX H DFO AND TFO HISTORIC SUBSTATION LOAD INFORMATION



October 18, 2016

Response to AESO request for 5 year peak loading at Cold Creek 602S from Oct 18, 2016.

The table below shows FortisAlberta Inc.'s record of the past 5 year peak loading at the Cold Creek 602S substation:

Year	2011	2012	2013	2014	2015
MW loading recorded	42.9	39.8	38.3	38.7	38.9

Note: The recorded load peaks are not offset by the generation

A handwritten signature in blue ink, appearing to read "Miglena Kyoseva", written over a dashed horizontal line.

Miglena Kyoseva, P.Eng.
Senior Distribution Planning Engineer
FortisAlberta Inc.



October 18, 2016

Gerardo Marquez
Alberta Electric System Operator
2500, 330 – 5th Avenue SW
Calgary, AB., T2P 0L4

SUBJECT: ATCO Jasper Palisades Substation Loading

Dear Gerardo:

As requested, please find ATCO Electric's record of the past 5 year summer/winter peak loading at the Palisades 781S substation in the table below.

781S Jasper Palisades Seasonal Peak Loading

Year	Summer Peak (kW)	Winter Peak (kW)
2010	7,400	9,000
2011	7,290	8,797
2012	8,988	8,656,
2013	8,510	9,255
2014	8,900	9,530
2015	8,486	9,447

Sincerely:

A handwritten signature in blue ink, appearing to read "Tom Greenwood-Madsen", with a long horizontal flourish extending to the right.

Tom Greenwood-Madsen
Principal Engineer, System Development
ATCO Electric

October 25, 2016


Gerardo Marquez
 Alberta Electric System Operator
 Suite 2500, 330 - 5th Avenue S.W.
 Calgary, Alberta T2P 0L4

Re: Watson Creek 104S 5 Year Historical Load Data

As requested, see below table with the 5 year historical load data for the Watson Creek 104S substation. The table shows AltaLink's record of the summer and winter peak loading from the revenue meters at Watson Creek 104S from 2011 to 2015:

Year	Watson Creek 104S			
	Winter Peak Load		Summer Peak Load	
	MW	MVA	MW	MVA
2011	3.68	3.74	2.46	2.50
2012	3.65	3.71	3.11	3.16
2013	3.30	3.35	2.85	2.90
2014	2.83	2.87	3.34	3.39
2015	2.52	2.55	3.09	3.13

Sincerely,


 Ali Mazhabjafari
 Senior System Operation Engineer