GAS ANALYSIS

Sample Analyzed at: Ottawa Export Stn. No. 50159

The analysis given below is representative of the gas that was supplied from the above-noted location, during the month of **October 2018**.*

CONSTITUENT	VOLUME PERCENT (%)
Methane (CH_4)	94.95
Ethane (C_2H_6)	3.64
Propane (C_3H_8)	0.12
Normal Butane (C_4H_{10})	0.01
Iso-Butane (C_4H_{10})	0.01
Normal Pentane (C_5H_{12})	0.00
Iso-Pentane (C_5H_{12})	0.00
Hexanes Plus ($C_6H_{14}^+$)	0.00
Nitrogen (N_2)	0.66
Carbon Dioxide (CO_2)	0.61
TOTAL	**100.00%**

TOTAL SULPHUR:	0.16	grns/Ccf**
	3.74	mg/m^3
HEATING VALUE:	1031.3	BTU/cf (30" Hg, 60°F, Dry)
	38.4	MJ/m^3 (101.325 kPa, 15°C, Dry)
RELATIVE DENSITY (AIR = 1.0):	0.582	

*NOTES TO RECIPIENTS: (1) The above analysis is an average of the sampling analyses conducted throughout the relevant month and is not indicative of gas composition or heating value at any particular point in time or location or representative of gas composition or heating value in the future. (2) While every reasonable effort has been made to ensure the accuracy of this information, no representation or warranty is provided in relation to it for any purpose. (3) For GHG reporting purposes, please refer to https://www.enbridgegas.com/About-Us#Regulatory (under the Composition on Natural Gas).

**0.14 grns/Ccf (3.17 mg/m^3) added by Enbridge Gas Distribution Inc. as odourant to gas supplied by TransCanada.

Signed by Manager of
Engineering Materials Evaluation Centre: