



Enbridge Gas Inc 2019 Gas Composition and High Heating Value Data												
	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19
Ontario: Typical Gas HHV												
Natural gas HHV (GJ/standard* m3)	0.0392	0.0392	0.0391	0.0391	0.0388	0.0384	0.0384	0.0385	0.0384	0.0386	0.0395	0.0394
Ontario: Typical Gas Composition												
methane mole %	92.81	92.97	93.29	93.87	95.44	95.97	97.04	96.50	96.96	96.60	92.86	92.81
ethane mole %	5.59	5.46	5.27	4.98	3.81	2.99	2.41	2.85	2.46	2.87	6.15	5.94
propane mole %	0.31	0.33	0.29	0.24	0.16	0.09	0.12	0.13	0.12	0.12	0.29	0.31
butane mole %	0.06	0.08	0.07	0.05	0.03	0.01	0.01	0.02	0.01	0.02	0.05	0.06
pentanes mole %	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01
hexanes+ mole %	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
nitrogen mole %	0.78	0.67	0.64	0.52	0.36	0.47	0.30	0.33	0.30	0.27	0.40	0.53
carbon dioxide mole %	0.41	0.43	0.39	0.30	0.16	0.44	0.09	0.16	0.13	0.09	0.22	0.33
oxygen mole %	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00
hydrogen mole %	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.01	0.02
Total mole %	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
*Standard conditions: 15° Celsius, 101.325 kPa												
The gas analyses used to determine the typical HHV and gas composition for the Union Gas and Enbridge rate zones follow the Measurement Canada requirements for Electricity and Gas and use the following analytical methods: ASTM D1945 (fuel carbon content), ASTM D3588 and GPA Standard 2261 (fuel heat content).												
While every effort has been made to ensure the accuracy of this information, Enbridge Gas does not warrant accuracy of the information for any purpose. Enbridge Gas provides no guarantee regarding gas composition or high heating value (HHV) for any specific delivery point. It is the responsibility of the information user to ensure that the data meets the applicable regulatory requirements.												