

# AEMO PRESSURE CORRECTION FACTORS

PREPARED BY: Responsible Department

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FINAL

# AEMO Pressure Correction Factors

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The table below shows the current pressure correction factors in use in the Victorian Gas Market.

<b>NOMINAL PRESSURE AT METER (IN KPA GAUGE)</b>	<b>CORRECTION FACTOR</b>
1.1	1.0109
1.5	1.0148
2.5	1.0247
2.75	1.0272
4	1.0396
5	1.0495
7	1.0692
7.5	1.0742
10	1.0989
12	1.1188

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NOMINAL PRESSURE AT METER (IN KPA GAUGE)	CORRECTION FACTOR
15	1.1484
18	1.1781
20	1.1979
30	1.2970
40	1.3960
60	1.5942
70	1.6934
80	1.7927
100	1.9913
110	2.0907
120	2.1901
140	2.3891
170	2.6879
190	2.8873
200	2.9872
210	3.0870
250	3.4866

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NOMINAL PRESSURE AT METER (IN KPA GAUGE)	CORRECTION FACTOR
300	3.9873
350	4.4890
400	4.9922
450	5.4961

The Pressure Correction Factors are used to convert the gas volumes as measured by basic meters to the standard volume which is then multiplied by the average heating value for the billing period to obtain the energy. These pressure correction factors are referenced by the AEMO Natural Gas Energy Calculation Procedures.

The above Pressure Correction Factors are based on:

Standard pressure of 101.325kPaa

Nominal atmospheric pressure of 101.325 kPa

Standard temperature of 15°C

Deemed metering temperature of 15°C

The above table is consistent with NX-19 calculations of gas compressibility based on:

2.15 mole% CO<sub>2</sub>

0.85 mole% N<sub>2</sub>

0.611 Specific gravity

Authorised by AEMO Level 2 Yarra Tower, World Trade Centre, Melbourne 3005.