

# ENERGY MARKETS CONVERSION TABLE



NETWORKING ENERGIES

A company of **aspo**

		OIL				COAL	ENERGY*		
		toe	boe	gal	litre	tce	GJ	MWh	Gcal
OIL	1 toe	1	7.3300	308.00	1165.9	1.4280	41.868	11.630	10.000
	1 boe	0.1360	1	42.000	158.98	0.1942	6.1200	1.7000	1.4617
	1 gal	0.0030	0.0230	1	3.7800	0.0043	0.1580	0.0430	0.0377
	1 litre	0.0008	0.0060	0.2640	1	0.0011	0.0385	0.0107	0.0092
COAL	1 tce	0.7000	5.1310	215.60	816.13	1	29.308	8.1410	7.0001

		GAS				ENERGY*			
		m <sup>3</sup> **	MM Btu	th	ton LNG	m <sup>3</sup> LNG	GJ	MWh	Gcal
<b>GAS</b>	1 m <sup>3</sup> **	1	0.0360	0.3619	0.0007	0.0017	0.0380	0.0110	0.0095
	1 MM Btu	27.763	1	10.000	0.0192	0.0475	1.0550	0.2930	0.2520
	1 th	2.7632	0.1000	1	0.0019	0.0048	0.1050	0.0290	0.0250
	1 ton LNG	1379.0	52.133	523.81	1	2.4691	55.000	14.000	12.069
	1 m <sup>3</sup> LNG	584.00	21.040	210.40	0.4050	1	22.190	6.1730	5.3216

<b>GJ</b>	gigajoule	<b>toe</b>	ton of oil equivalent
<b>MWh</b>	megawatt hour	<b>boe</b>	barrel of oil equivalent
<b>Gcal</b>	gigacalories	<b>gal</b>	gallon
<b>tce</b>	ton of coal equival.	<b>th</b>	therm
<b>MM Btu</b>	million British thermal units	<b>LNG</b>	liquefied natural gas
* IEA reference values			
** at 15°C, 1.013 bar			
e.g. 1 th = 0.105 GJ/6.12 GJ = 0.017 boe			

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