

FACTORES DE CONVERSIÓN																
Unidades Originales	kbbbl	Mm ³	kt	GWh	GWh	kg	kt	GWh	kbbbl	kbbbl	kbbbl	kbbbl	kbbbl	kt	kt	kbbbl
A: bep x 10 ³	Petróleo	Gas Natural	Carbón Mineral	Hidroenergía	Geotermia	Nuclear	Leña	Electricidad	GLP	Gasolina	Kerosene/Jet	Diesel Oil	Fuel Oil	Coque	Carbón Vegetal	Alcohol
PANAMÁ			5.2690	0.6196			2.6940	0.6196	0.6701	0.8934	0.9583	1.0015	1.0304	4.9100	4.8926	

	10 ⁶ m ³	Gas de Refinería =	7.9261	10 ³ bep
	10 ⁶ m ³	Gas de Coquería =	3.0263	10 ³ bep
OTROS	10 ⁶ m ³	Gas de Alto Horno =	0.6485	10 ³ bep
	10 ⁶ m ³	Gas de Ciudad =	2.8820	10 ³ bep
	10 ⁶ m ³	Biogás =	3.9630	10 ³ bep
	10 ⁶ m ³	Baqazo =	1.3114	10 ³ bep

TABLA DE CONVERSIONES PARA UNIDADES ENERGÉTICAS										
	bep	tep	tec	Tcal	TJ	10 ³ BTU	MWh	kg GLP	m ³ Gas Nat.	pc Gas Nat.
bep	1	0.13878	0.1982593	0.00139	0.00581	5524.86	1.61394	131.0616	167.2073	5917.1598
tep	7.205649	1	1.4285868	0.01	0.04184	39810.22	11.62952	944.3839	1204.8371	42636.9763
tec	5.04390	0.6999925	1	0.007	0.029288	27866.85	8.14057	661.0616	843.3769	29845.5621
Tcal	720.56490	100	142.85868	1	4.184	3981022	1162.9520	94438.388	120483.714	4263697.6
TJ	172.21914	23.900574	34.144044	0.2390057	1	951487	277.95214	22571.316	28796.2988	1019048.19
10³ BTU	0.00018	2.51E-05	3.59E-05	2.51E-07	1.05E-06	1	0.00029	0.02372	0.030265	1.07101
MWh	0.61960	0.08599	0.1228	0.00086	0.0036	3423.2	1	81.20577	103.6016	3666.2722
kg GLP	0.00763	0.00106	0.001513	1.06E-05	4.43E-05	42.154696	0.0123144	1	1.2758	45.1479
m³ Gas Nat.	0.00598	0.00083	0.001186	8.30E-06	3.47E-05	33.041989	0.0096524	0.783827	1	35.3882
pc Gas Nat.	0.00017	2.35E-05	3.35E-05	2.35E-07	9.81E-07	0.9337017	0.0002728	0.0221494	0.02825803	1

* 1bbl GLP = 0.6701 bep

* 1bbl GLP = 0.15898 m³ = 5.61

* 1m³ GLP = 552.4 kg

* 1 pc = 0.028317 m³