

Table I
NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

HARD COAL	2012	2013	2014	2015
Standard factor	25.8	25.8	25.8	25.8
Australia	27.0	26.9	26.9	27.0
Bangladesh	20.9	20.9	20.9	20.9
Botswana	23.6	23.6	23.6	23.6
Brazil	18.6	18.6	18.6	18.6
Bulgaria	17.2	20.0	27.2	27.8
Canada	24.7	25.1	25.0	25.0
Chile	17.4	22.0	22.0	27.8
China	19.9	20.0	20.1	20.4
Colombia	27.2	27.2	27.2	27.2
Czechia	26.9	27.8	27.0	27.0
Egypt	25.5	25.7	25.7	25.7
France	26.0	26.0	26.0	27.4
Georgia	25.0	28.0	25.1	25.3
Germany	27.4	27.7	27.6	30.0
India	18.9	17.0	16.8	16.7
Indonesia	25.8	25.8	25.8	25.8
Iran (Islamic Republic of)	28.0	28.0	27.8	27.8
Italy	26.6	26.6	26.6	26.6
Kazakhstan	18.6	18.6	18.6	18.6
Korea, Democratic People's Republic of	26.2	26.3	26.3	26.5
Korea, Republic of	18.6	18.6	18.6	18.6
Kyrgyzstan	18.6	18.6	18.6	18.6
Malaysia	26.4	26.4	26.4	26.4
Mexico	29.0	28.9	28.9	29.2
Mongolia	28.5	28.5	28.5	28.3
Mozambique	26.9	26.9	26.9	27.3
New Zealand	29.7	29.9	29.9	30.1
Niger	16.0	16.0	16.0	16.0
Norway	28.1	28.1	28.1	28.1
Pakistan	18.8	18.8	18.8	18.8
Peru	27.2	27.1	26.7	28.0
Poland	23.7	23.9	23.8	24.0
Russian Federation	26.0	26.2	26.2	26.2
South Africa	23.6	23.7	23.7	23.7
Spain	18.4	19.5	19.2	19.8
Sri Lanka	29.3	29.3	29.3	29.3
Tajikistan	18.6	18.6	18.6	18.6
Turkey	23.7	25.7	25.5	25.5
Ukraine	24.9	24.8	24.4	23.9
United Kingdom	24.5	24.4	24.4	24.9
United States	26.5	26.3	26.3	26.9
Uzbekistan	18.6	18.6	18.6	18.6
Viet Nam	23.4	23.4	23.4	23.4
Venezuela (Bolivarian Republic of)	30.6	30.6	30.6	30.6
Zambia	24.7	24.7	24.7	24.7
Zimbabwe	27.0	27.0	27.0	27.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

BROWN COAL	2012	2013	2014	2015
Standard factor	14.0	14.0	14.0	14.0
Albania	9.8	9.8	9.8	9.8
Australia	13.0	12.4	12.1	12.0
Bosnia and Herzegovina	13.6	13.6	13.5	13.5
Bulgaria	7.0	7.0	6.8	6.8
Canada	17.0	16.5	16.9	16.9
Czechia	12.3	12.4	12.3	12.6
Georgia	16.7	16.7	17.2	17.0
Germany	9.0	9.1	9.1	9.0
Greece	5.4	5.2	5.3	5.1
Hungary	7.2	7.1	7.0	6.9
India	9.5	9.5	9.5	9.5
Indonesia	22.0	22.0	20.9	21.1
Kazakhstan	14.7	14.7	14.7	14.7
Korea, Democratic People's Republic of	17.6	17.6	17.6	17.6
Kyrgyzstan	14.7	14.7	14.7	14.7
Mexico	19.9	19.9	20.0	20.0
Mongolia	14.4	14.4	14.4	14.4
Montenegro	9.2	9.2	9.2	9.2
New Zealand	19.9	19.8	19.6	19.6
Philippines	22.1	22.1	22.1	22.1
Poland	8.3	8.3	8.2	8.2
Romania	7.8	7.9	7.9	7.9
Russian Federation	14.9	14.9	14.9	14.9
Serbia	8.0	8.0	8.0	8.0
Slovakia	10.4	10.4	11.1	10.7
Slovenia	10.7	11.6	11.0	11.4
Spain	13.8	13.3	13.8	13.4
Tajikistan	14.7	14.7	14.7	14.7
Thailand	12.1	12.1	10.7	10.7
T.F. Yugoslav Republic of Macedonia	7.1	6.6	6.4	6.2
Turkey	8.7	10.4	10.0	8.8
United States	18.2	18.1	18.1	18.3
Uzbekistan	14.7	14.7	14.7	14.7
COKE OVEN COKE	2012	2013	2014	2015
Standard factor	28.2	28.2	28.2	28.2
Argentina	28.5	28.5	28.5	28.5
Australia	27.0	27.0	27.0	27.0
Austria	29.0	29.0	29.0	28.6
Belgium	29.3	29.3	29.3	29.3
Bosnia and Herzegovina	26.9	26.9	26.9	26.9
Brazil	30.5	30.5	30.5	30.5

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

COKE OVEN COKE	2012	2013	2014	2015
Canada	27.5	27.5	27.5	27.5
Chile	28.6	28.6	29.3	30.1
China	28.4	28.4	28.4	28.5
Colombia	20.1	20.1	20.1	20.1
Czechia	28.4	28.5	28.5	28.6
Egypt	27.2	27.2	27.2	27.2
Estonia	28.5	28.5	28.5	28.5
Finland	29.3	29.3	29.3	29.3
France	28.0	28.0	28.0	28.0
Germany	28.7	28.7	28.7	28.7
Hungary	29.5	29.2	29.5	29.8
Italy	29.0	29.0	29.0	29.0
Japan	29.4	29.2	29.2	29.2
Kazakhstan	25.1	25.1	25.1	25.1
Korea, Republic of	28.9	28.9	28.9	28.9
Mexico	26.5	28.7	28.7	28.7
Netherlands	28.5	28.5	28.5	28.5
New Zealand	29.5	29.5	29.5	29.5
Other Asia	28.2	28.2	28.2	28.2
Poland	28.1	27.9	27.8	28.0
Russian Federation	29.0	29.0	29.0	29.0
Slovakia	28.4	28.1	27.9	28.2
South Africa	26.5	26.5	26.5	26.5
Spain	26.8	26.8	26.8	26.8
Sweden	28.1	28.1	28.1	28.1
Turkey	28.2	29.7	27.6	27.2
Ukraine	25.1	25.1	25.1	25.1
United Kingdom	29.8	29.8	29.8	29.8
United States	28.8	28.9	28.9	28.9
Zimbabwe	25.1	25.1	25.1	25.1
PATENT FUEL	2012	2013	2014	2015
Standard factor	20.7	20.7	20.7	20.7
France	32.0	32.0	32.0	32.0
Germany	31.4	31.4	31.4	31.4
Hungary	22.0	22.0	22.0	22.0
Korea, Republic of	18.6	18.6	18.6	18.6
Poland	23.2	23.2	23.2	23.8
United Kingdom	28.3	28.3	28.3	28.3
BROWN COAL BRIQUETTES	2012	2013	2014	2015
Standard factor	20.7	20.7	20.7	20.7
Australia	21.0	21.0	21.0	21.0
Belgium	20.7	20.7	20.7	20.7
Bulgaria	12.5	10.2	12.2	13.4

Table I (continued)

**NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton**

PRODUCTION, EXPORTS AND CHANGES IN STOCKS

BROWN COAL BRIQUETTES	2012	2013	2014	2015
Czechia	22.0	20.7	21.1	19.8
Germany	21.1	21.3	21.4	21.2
Serbia	17.6	17.6	17.7	17.7
PEAT	2012	2013	2014	2015
Standard factor	9.8	9.8	9.8	9.8
Austria	8.8	8.8	8.8	8.8
Belarus	10.2	10.5	10.5	10.1
Burundi	14.7	14.7	14.7	14.7
Estonia	10.0	10.4	10.4	10.7
Falkland Islands (Malvinas)	9.5	9.5	9.5	9.5
Finland	10.1	10.2	10.0	10.1
Ireland	9.1	8.1	8.8	9.0
Lithuania	11.7	11.7	11.7	11.7
Russian Federation	10.0	10.0	10.0	10.0
Sweden	12.5	12.5	12.5	12.5
Ukraine	10.0	9.7	9.7	9.7
OIL SHALE	2012	2013	2014	2015
Standard factor	8.9	8.9	8.9	8.9
Israel	2.9	4.0	4.0	4.0

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
HARD COAL	2012	2013	2014	2015
Albania	27.2	27.2	27.2	25.2
Argentina	30.1	30.1	28.4	28.9
Australia	27.0	26.9	27.9	27.8
Austria	28.2	28.5	28.6	28.3
Bangladesh	20.9	20.9	20.9	20.9
Belarus	26.1	25.2	25.6	25.6
Belgium	27.4	27.4	27.5	27.8
Bosnia and Herzegovina	30.7	30.7	30.7	30.7
Brazil	30.5	30.5	30.5	30.5
Bulgaria	25.9	26.0	27.2	27.8
Canada	26.7	28.0	27.9	28.0
Chile	23.9	25.0	25.0	24.0
China	16.2	15.9	17.9	17.9
China, Hong Kong SAR	26.4	26.4	26.4	26.4
Croatia	24.7	25.2	24.8	25.1
Czechia	26.6	26.4	25.4	25.5
Denmark	24.2	23.3	23.5	22.9
Egypt	28.2	25.7	25.7	25.7
Estonia	27.2	27.2	27.2	27.2
Finland	26.0	25.9	25.9	26.4
France	27.2	27.4	27.7	27.4
Georgia	25.0	28.0	25.1	25.3
Germany	26.4	26.9	27.0	27.1
Greece	27.2	27.2	26.6	25.9
Hungary	32.1	32.1	29.2	29.6
Iceland	28.1	28.1	28.1	28.1
India	26.3	26.3	26.3	26.3
Indonesia	28.2	28.2	28.2	28.2
Iran (Islamic Republic of)	25.8	25.8	28.1	28.1
Ireland	25.0	25.7	25.5	25.7
Israel	25.1	25.1	25.0	25.0
Italy	27.5	26.3	26.0	26.1
Japan	25.6	25.8	25.9	25.6
Jordan	26.7	26.7	26.7	26.7
Kazakhstan	18.6	18.6	18.6	18.6
Korea, Democratic People's Republic of	26.7	25.8	25.8	25.8
Korea, Republic of	25.6	25.6	25.5	25.5
Kyrgyzstan	18.6	20.9	20.9	20.7
Latvia	26.3	26.3	24.2	23.9
Lebanon	27.7	27.7	27.7	27.7
Lithuania	25.1	25.1	25.1	25.1
Luxembourg	24.7	24.8	24.7	24.7
Malaysia	26.4	26.4	26.4	26.4
Mauritius	26.0	26.0	25.8	25.8
Mexico	26.1	26.6	26.5	26.7
Moldova, Republic of	23.7	24.5	24.1	23.9
Morocco	27.6	27.6	27.6	27.6

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
HARD COAL	2012	2013	2014	2015
Namibia	22.7	22.7	22.7	22.7
Nepal	25.1	25.1	25.1	25.1
Netherlands	25.4	25.0	25.1	25.0
New Caledonia	28.3	28.3	28.3	28.3
New Zealand	28.1	28.2	28.4	28.1
Norway	28.1	28.1	28.1	28.1
Other Asia	27.4	27.4	27.4	27.4
Pakistan	27.6	27.6	27.6	27.6
Peru	25.0	25.0	26.3	25.0
Poland	24.6	24.9	25.0	24.8
Portugal	25.2	24.9	24.8	24.7
Romania	26.5	26.3	25.8	25.8
Russian Federation	25.3	25.3	25.2	25.4
Serbia	23.0	23.3	25.6	25.7
Senegal	25.9	25.9	25.9	25.9
Slovakia	28.1	28.2	28.7	28.9
Slovenia	25.4	26.2	25.2	27.0
South Africa	31.0	31.0	31.0	31.0
Spain	24.0	24.4	23.9	24.0
Sri Lanka	29.3	29.3	29.3	29.3
Sweden	28.6	28.6	28.8	28.9
Switzerland	25.5	25.5	25.5	25.5
T.F. Yugoslav Republic of Macedonia	25.5	26.3	25.8	26.1
Tajikistan	18.6	18.6	18.6	18.6
Thailand	26.4	26.4	26.4	26.4
Turkey	27.5	27.4	26.9	26.7
Ukraine	27.3	25.5	26.7	25.0
United Arab Emirates	27.7	27.9	28.1	27.8
United Kingdom	25.8	25.9	26.0	26.2
United States	26.1	26.1	26.2	25.6
Viet Nam	23.4	23.4	23.4	23.4
Zambia	24.7	24.7	24.7	24.7
Zimbabwe	27.0	27.0	27.0	27.0
BROWN COAL	2012	2013	2014	2015
Albania	9.8	9.8	9.8	9.8
Austria	19.4	20.0	20.4	20.6
Bangladesh	11.9	11.9	11.9	11.9
Bosnia and Herzegovina	9.3	11.9	10.3	15.7
Cambodia	19.9	19.9	19.9	19.9
Canada	18.2	17.4	17.9	17.9

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS

BROWN COAL	2012	2013	2014	2015
Croatia	17.1	15.4	15.9	16.0
Czechia	13.1	11.6	11.1	10.7
France	17.0	17.0	17.0	17.0
Germany	16.7	16.7	17.7	18.7
Greece	4.0	4.1	4.0	5.1
Hungary	17.5	16.9	17.4	18.4
Israel	20.8	20.8	20.8	20.8
Italy	18.8	18.8	18.8	18.8
Kazakhstan	14.7	14.7	14.7	14.7
Korea, Republic of	21.4	21.4	21.4	21.4
Mexico	14.1	13.9	13.9	18.6
Montenegro	9.2	9.2	9.2	9.2
Netherlands	20.0	20.0	20.0	20.0
New Zealand	20.6	20.6	20.5	20.6
Other Asia	18.9	18.9	18.9	18.9
Philippines	22.1	22.1	22.1	22.1
Poland	8.5	8.4	8.2	8.2
Romania	24.5	21.5	18.2	19.3
Russian Federation	14.9	14.9	14.9	14.9
Serbia	17.0	17.0	17.0	8.1
Slovakia	13.5	14.3	15.0	14.9
Slovenia	18.4	17.4	18.5	18.6
Switzerland	20.1	20.1	23.6	23.6
T.F. Yugoslav Republic of Macedonia	20.0	14.4	17.0	18.2
Ukraine	10.0	10.0	10.0	10.0
United States	17.9	17.8	19.2	19.7
Uzbekistan	14.7	14.7	14.7	14.7
COKE OVEN COKE	2012	2013	2014	2015
Australia	27.0	27.0	27.0	27.0
Austria	29.0	29.0	29.0	28.6
Belarus	29.0	29.0	29.0	29.0
Belgium	29.3	29.3	29.3	29.3
Brazil	30.5	30.5	30.5	30.5
Bulgaria	28.5	28.5	28.5	28.5
Canada	27.5	27.5	27.5	27.5
Croatia	29.3	29.3	29.3	29.3
Czechia	28.5	25.8	26.2	26.2
Denmark	29.3	29.3	29.3	29.3
Egypt	27.2	27.2	27.2	27.2
Finland	29.3	29.3	29.3	29.3
France	28.0	28.0	28.0	28.0
Georgia	29.3	29.3	29.3	29.3
Germany	28.7	28.7	28.7	28.7

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS				
COKE OVEN COKE	2012	2013	2014	2015
Hungary	29.6	29.2	29.5	29.6
Iceland	26.7	26.7	26.7	26.7
Italy	29.0	29.0	29.0	29.0
Japan	29.4	29.2	29.2	29.2
Kazakhstan	25.1	25.1	25.1	25.1
Korea, Republic of	28.9	28.9	28.9	28.9
Lithuania	29.3	29.3	29.3	29.3
Mexico	26.5	27.8	27.8	27.8
Netherlands	28.5	28.5	28.5	28.5
Norway	28.5	28.5	28.5	28.5
Other Asia	28.2	28.2	28.2	28.2
Peru	28.2	28.2	28.2	28.2
Poland	28.0	28.0	28.0	28.0
Romania	26.4	26.4	26.3	26.4
Russian Federation	29.0	29.0	29.0	29.0
Serbia	28.7	28.7	29.0	29.0
Slovakia	28.0	27.5	27.8	27.3
Slovenia	29.6	29.9	30.1	30.1
Spain	26.8	26.8	26.8	26.8
Sweden	28.1	28.1	28.1	28.1
Switzerland	25.5	25.5	25.5	25.5
Turkey	28.2	29.7	27.6	27.2
Ukraine	25.1	25.1	25.1	25.1
United Kingdom	29.8	29.8	29.8	29.8
United States	28.8	28.9	28.9	28.9
PATENT FUEL	2012	2013	2014	2015
Austria	31.0	31.0	31.0	31.0
Belgium	30.5	30.5	30.5	30.5
France	32.0	32.0	32.0	32.0
Germany	31.4	31.4	31.4	31.4
Luxembourg	28.2	28.2	28.2	28.2
Poland	23.2	23.2	23.2	23.2
Slovakia	28.0	28.0	28.0	28.0
United Kingdom	28.3	28.3	28.3	28.3
BROWN COAL BRIQUETTES	2012	2013	2014	2015
Austria	19.3	19.3	19.8	19.8
Belgium	20.7	20.7	20.7	20.7
Czechia	22.0	20.7	21.1	19.8
France	16.9	16.9	16.9	16.9
Germany	20.9	20.1	25.6	25.5
Hungary	19.8	19.8	19.8	19.1
Ireland	19.8	19.8	19.8	19.8
Luxembourg	22.2	22.2	22.2	22.2

Table I (continued)

NET CALORIFIC VALUES OF ENERGY PRODUCTS
GJ/ton

IMPORTS

BROWN COAL BRIQUETTES	2012	2013	2014	2015
Netherlands	20.0	20.0	20.0	20.0
Poland	17.6	17.6	17.5	17.5
Serbia	15.9	15.9	15.8	15.8
Slovakia	17.0	17.0	17.7	17.9
PEAT	2012	2013	2014	2015
Finland	10.1	10.2	10.0	10.1
Romania	8.8	8.8	8.8	8.8
Russian Federation	10.0	10.0	10.0	10.0
Sweden	12.9	12.9	12.9	12.9
T.F. Yugoslav Republic of Macedonia	9.1	9.1	9.1	9.1
Ukraine	10.0	9.3	9.7	9.7

OTHER PRODUCTS

Conventional crude oil	42.3
Natural gas liquids (NGL)	44.2
Aviation gasoline	44.3
Motor gasoline	44.3
Gasoline-type jet fuel	44.3
Kerosene-type jet fuel	44.1
Other kerosene	43.8
Gas oil/diesel oil	43.0
Fuel oil	40.4
Liquefied petroleum gases (LPG)	47.3
Ethane	46.4
Refinery gas	49.5
Feedstocks	43.0
Naphtha	44.5
White spirit and SBP industrial spirit	40.2
Lubricants	40.2
Bitumen	40.2
Paraffin waxes	40.2
Petroleum coke	32.5
Other oil products	40.2
Fuelwood, wood residues and by-products	12.6
Bagasse	7.7
Peat products	9.8
Charcoal	29.5

Table I (continued)

STANDARD HEAT VALUES OF GASES
kJ/m³

Natural gas	39021
Coke oven gas	17590
Gas works gas	17590
Blast furnace gas	4000