

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>HARD COAL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>
Albania	14.3	20.4	20.4	20.4
Argentina	24.7	24.7	24.7	24.7
Australia	27.0	27.0	26.9	26.9
Austria	28.1	28.4	28.4	28.0
Azerbaijan	27.7	27.7	27.7	27.7
Bangladesh	20.9	20.9	20.9	20.9
Belarus	25.2	24.5	23.7	24.7
Belgium	27.8	29.4	29.4	29.5
Bosnia and Herzegovina	29.1	29.1	29.1	29.1
Botswana	23.6	23.6	23.6	23.6
Brazil	15.8	16.8	16.7	16.7
Bulgaria	28.0	25.2	27.4	26.9
Canada	25.0	25.0	25.0	25.1
Chile	16.8	17.0	16.7	16.7
China	20.8	20.8	20.8	20.8
China, Hong Kong SAR	26.4	26.4	26.4	26.4
Colombia	27.2	27.2	27.2	28.8
Croatia	25.1	25.1	25.1	24.6
Czechia	27.5	26.6	26.5	27.1
Denmark	24.3	24.3	26.6	23.9
Egypt	25.7	25.7	25.8	25.8
Estonia	27.2	22.0	22.0	24.9
Finland	26.7	26.6	26.8	27.0
Georgia	27.6	27.6	27.6	27.6
Germany	29.1	29.1	29.1	27.4
Greece	25.5	23.3	25.9	26.1
Guatemala	28.9	28.9	28.9	28.9
Hungary	31.1	29.4	30.0	29.7
Iceland	28.1	28.1	27.8	27.8
India	16.5	16.1	16.0	15.9
Indonesia	25.9	25.9	25.9	24.5
Iran (Islamic Republic of)	27.8	28.0	28.0	28.0
Ireland	25.1	25.8	25.8	26.9
Israel	24.9	24.9	24.9	24.8
Japan	21.4	24.4	23.2	23.2
Kazakhstan	18.6	18.6	18.9	17.9
Korea, Democratic People's Republic of	26.5	26.5	26.5	26.5
Korea, Republic of	18.6	19.4	19.4	19.4
Kyrgyzstan	18.6	18.6	18.6	18.6
Latvia	23.8	24.1	24.1	24.4
Lithuania	25.1	25.1	25.1	25.1
Malaysia	26.4	26.4	26.4	26.4

Table I (continued)

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>HARD COAL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>
Mauritius	25.8	26.0	26.0	26.0
Mexico	29.3	29.3	29.3	29.0
Mongolia	28.3	28.3	28.3	28.3
Morocco	27.6	27.6	27.6	27.6
Mozambique	27.0	26.9	26.8	26.7
Myanmar	23.3	23.3	23.3	23.3
Namibia	22.7	22.7	22.7	22.7
Nepal	25.1	25.1	25.1	25.1
Netherlands	25.3	26.2	26.4	26.5
New Caledonia	26.0	26.0	26.0	26.0
New Zealand	30.2	29.7	28.7	28.8
Niger	16.0	16.0	16.0	16.0
North Macedonia	26.1	26.2	27.0	27.0
Pakistan	18.8	18.8	18.8	18.8
Peru	27.3	27.1	26.9	27.5
Poland	24.0	23.9	23.9	23.7
Portugal	24.7	24.9	24.8	24.8
Republic of Moldova	24.8	25.2	24.9	24.9
Romania	25.7	25.6	25.6	25.6
Russian Federation	26.1	26.1	26.1	26.1
Serbia	25.7	25.6	27.5	27.7
Slovakia	29.0	29.0	28.9	28.2
Slovenia	27.3	27.4	27.3	27.3
South Africa	23.7	23.7	23.7	23.7
Spain	19.6	19.5	19.6	24.3
Sri Lanka	29.3	29.3	29.3	29.3
Sweden	29.1	29.0	28.7	29.1
Tajikistan	25.0	25.1	25.0	25.0
Thailand	26.4	26.4	26.4	26.4
Turkey	24.2	24.6	24.9	24.7
Ukraine	24.1	23.4	23.2	23.5
United Kingdom	25.1	25.1	25.1	26.8
United States	27.0	27.1	27.2	27.2
Uruguay	25.8	25.8	25.8	25.8
Uzbekistan	18.6	18.6	18.6	18.6
Venezuela (Bolivarian Republic of)	30.6	30.6	30.6	30.6
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

Table I (continued)

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>BROWN COAL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>14.0</b>	<b>14.0</b>	<b>14.0</b>	<b>14.0</b>
Armenia	7.8	7.8	11.9	11.9
Australia	12.4	12.6	13.1	13.1
Austria	20.5	20.3	21.1	22.1
Belgium	22.0	21.8	22.6	22.6
Bosnia and Herzegovina	10.8	10.7	10.6	10.7
Bulgaria	6.8	6.9	7.0	7.0
Cambodia	19.9	19.9	19.9	19.9
Canada	16.7	16.7	16.5	16.2
Croatia	16.9	17.1	17.1	17.1
Czechia	12.5	12.5	12.6	12.5
Georgia	17.0	17.0	17.0	17.0
Germany	9.0	9.0	9.0	9.1
Greece	5.1	5.1	4.9	4.7
Hungary	6.6	6.7	6.7	6.1
India	9.5	9.5	9.5	9.5
Indonesia	21.1	21.2	21.2	21.2
Kazakhstan	18.6	19.5	19.5	19.4
Korea, Democratic People's Republic of	17.6	17.6	17.6	17.6
Korea, Republic of	21.4	21.4	21.4	19.9
Kosovo	7.8	7.8	7.8	7.8
Kyrgyzstan	14.7	14.7	14.7	14.7
Lao People's Democratic Republic	10.9	10.8	9.6	9.6
Lithuania	22.7	22.7	22.7	22.7
Mexico	19.8	19.6	19.6	19.8
Mongolia	14.4	14.4	14.4	14.4
Montenegro	9.2	9.2	9.6	10.3
Myanmar	16.3	16.3	16.3	16.3
Netherlands	20.0	20.0	20.0	20.0
New Zealand	19.2	19.5	19.7	22.2
North Macedonia	6.1	7.0	6.7	6.6
Philippines	22.1	22.1	22.1	22.1
Poland	8.1	8.3	8.3	7.9
Romania	7.7	7.3	7.1	7.6
Russian Federation	14.9	14.9	14.9	14.9
Serbia	7.8	7.6	7.4	7.4
Slovakia	13.8	10.2	10.2	10.2
Slovenia	10.2	11.6	11.7	11.7
Spain	13.5	13.5	13.4	13.4
Tajikistan	17.0	17.0	17.0	17.0
Thailand	10.6	10.6	10.6	10.5
Turkey	8.6	8.6	8.0	8.1
United States	18.1	18.2	18.3	18.3
Uzbekistan	14.7	14.7	14.7	14.7

Table I (continued)

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>COKE OVEN COKE</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>28.2</b>	<b>28.2</b>	<b>28.2</b>	<b>28.2</b>
Argentina	28.5	28.5	28.5	28.5
Australia	27.0	27.0	27.0	27.0
Austria	28.9	28.6	27.9	28.7
Belgium	29.3	29.3	29.3	29.3
Bosnia and Herzegovina	28.5	28.5	28.5	28.5
Brazil	28.9	28.9	28.9	28.9
Bulgaria	28.5	28.5	28.5	28.5
Belarus	29.0	29.0	29.0	29.0
Canada	27.5	27.5	27.5	27.5
Chile	28.6	28.6	30.1	30.1
China	28.5	28.5	28.4	28.4
Colombia	20.1	20.1	20.1	20.1
Croatia	29.3	29.3	29.3	29.3
Czechia	28.7	28.9	28.5	28.6
Denmark	29.3	29.3	29.3	29.3
Estonia	28.5	28.5	28.5	28.5
Finland	29.3	29.3	29.3	29.3
Georgia	29.3	29.3	29.3	29.3
Germany	28.7	28.7	28.7	28.7
Hungary	29.9	29.6	29.4	29.5
Iceland	26.7	26.7	27.8	27.8
Japan	29.2	29.2	29.2	29.2
Kazakhstan	26.8	26.9	26.9	27.5
Korea, Republic of	28.9	28.9	28.9	28.9
Luxembourg	28.5	28.5	28.5	28.5
Mexico	28.4	28.4	28.4	28.7
Netherlands	28.5	28.5	28.5	28.5
New Zealand	29.5	29.5	29.5	29.5
Peru	28.2	28.2	28.2	28.2
Poland	28.0	28.0	28.0	28.0
Portugal	30.4	30.8	30.8	30.8
Romania	26.4	26.4	26.4	26.4
Russian Federation	29.0	29.0	29.0	29.0
Serbia	29.0	29.0	29.0	29.0
Slovakia	28.3	28.4	28.4	28.3
Slovenia	30.0	30.1	30.1	30.1
South Africa	26.5	26.5	26.5	26.5
Spain	26.8	27.3	27.3	27.3
Sweden	28.1	28.1	28.1	28.1
Turkey	27.0	27.0	27.0	27.0
Ukraine	25.1	25.1	25.1	25.1
United Kingdom	29.8	29.8	29.8	29.8
United States	28.9	28.9	28.9	28.9
Zimbabwe	25.1	25.1	25.1	25.1

Table I (continued)

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>PATENT FUEL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>
Austria	31.0	31.0	31.0	31.0
Belgium	30.5	30.5	30.5	30.5
Germany	31.4	31.4	31.4	31.4
Korea, Republic of	18.6	19.4	19.4	19.4
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 Arab Emirates	29.0	29.0	29.0	29.0
United Kingdom	28.3	28.3	28.3	28.3
Uzbekistan	29.0	29.0	29.0	29.0
<b>BROWN COAL BRIQUETTES</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>
Australia	21.0	22.0	21.0	22.0
Austria	19.8	19.8	19.8	19.8
Belgium	20.7	20.7	20.7	20.7
Bulgaria	13.4	11.6	12.6	12.9
Czechia	19.8	23.4	23.3	22.9
Germany	21.2	21.4	21.1	21.1
Hungary	19.1	19.0	19.6	19.3
India	20.0	20.0	20.0	20.0
Ireland	19.8	19.8	19.8	19.8
Luxembourg	22.2	22.2	22.2	22.2
Mexico	18.0	18.0	18.0	18.0
Netherlands	20.0	20.0	20.0	20.0
Poland	17.5	17.5	17.5	17.5
Serbia	17.7	17.7	17.6	17.8
Slovakia	17.9	17.2	17.6	17.6
<b>PEAT</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>
Belarus	10.0	9.4	9.7	9.9
Burundi	14.7	14.7	14.7	14.7
Estonia	10.7	10.1	10.1	10.1
Falkland Islands	9.5	9.5	9.5	9.5
Finland	10.0	9.9	9.9	10.4
Ireland	8.9	8.7	8.7	9.6
Latvia	10.1	10.1	10.1	10.1
Lithuania	11.7	11.7	11.7	11.7
Romania	8.8	8.8	8.8	8.8
Russian Federation	10.0	10.0	10.0	10.0
Sweden	12.5	12.5	12.5	12.5
Ukraine	9.7	9.7	9.7	9.7

Table I (continued)

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>OIL SHALE</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>8.9</b>	<b>8.9</b>	<b>8.9</b>	<b>8.9</b>
Estonia	8.3	8.0	9.2	9.2
Israel	4.0	4.0	4.0	4.0
<b>CRUDE OIL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>42.3</b>	<b>42.3</b>	<b>42.3</b>	<b>42.3</b>
Azerbaijan	43.1	43.1	43.1	43.1
Australia	44.0	44.0	44.0	44.0
Austria	42.5	42.5	42.5	42.5
Belgium	42.2	42.2	42.1	42.1
Brazil	42.2	42.3	42.3	42.3
Canada	42.8	42.8	42.8	42.8
Chile	43.2	43.2	43.2	43.2
China	41.9	41.9	41.9	41.9
Czechia	42.4	42.4	42.8	42.8
Denmark	43.0	43.0	43.0	43.0
Finland	42.7	42.7	42.7	42.7
France	42.8	42.8	42.8	42.8
Georgia	42.5	42.5	42.5	42.5
Germany	42.5	42.5	42.5	42.5
Greece	38.2	38.2	38.2	40.8
China, Hong Kong SAR	42.5	42.5	42.5	42.5
Hungary	41.8	41.8	41.8	41.8
Ireland	42.8	42.8	42.8	42.8
Israel	42.5	42.5	42.5	42.5
Italy	41.9	41.9	41.9	41.9
Japan	42.1	42.0	42.0	42.0
Korea, Republic of	42.7	42.2	42.2	42.2
Lithuania	42.3	42.3	42.3	42.3
Mexico	43.5	43.5	43.5	43.5
Morocco	42.4	42.4	42.4	42.4
Netherlands	42.7	42.7	42.7	42.7
New Zealand	43.6	43.6	43.6	43.6
Norway	42.2	43.4	43.4	43.4
Peru	43.0	43.0	42.3	42.3
Poland	42.5	42.1	42.5	42.5
Portugal	43.0	43.0	43.0	43.0
Slovakia	43.2	43.3	43.3	43.3
Spain	42.3	42.3	42.3	42.3
Sweden	42.2	42.2	42.2	42.2
Switzerland	43.2	43.2	43.2	43.2
Turkey	44.3	44.3	44.3	44.2
United Kingdom	43.4	43.4	43.4	43.4
United States	42.7	42.7	42.6	42.6

Table I (continued)

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>NATURAL GAS LIQUIDS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>44.2</b>	<b>44.2</b>	<b>44.2</b>	<b>44.2</b>
Australia	45.4	45.4	45.4	45.4
Austria	42.5	42.5	42.5	42.5
Armenia	34.7	34.7	34.7	34.7
Belgium	45.2	45.2	45.2	45.2
Canada	45.2	45.2	45.2	45.2
Chile	48.1	48.1	48.1	48.1
Equatorial Guinea	47.3	47.3	47.3	47.3
Finland	44.0	44.0	44.0	44.0
France	42.0	42.0	42.0	42.0
Hungary	43.0	43.0	43.0	43.0
Japan	45.6	45.3	45.3	45.3
Mexico	41.3	41.4	41.4	41.4
Netherlands	44.0	44.0	44.0	44.0
New Zealand	45.8	45.8	45.8	45.8
Norway	43.8	43.8	43.8	43.8
Peru	42.1	42.1	42.1	42.1
Republic of Moldova	42.0	42.0	42.0	42.0
Slovakia	42.4	42.0	42.0	42.0
United Kingdom	45.3	45.3	45.3	45.3
United States	46.4	46.2	44.8	44.8
<b>REFINERY FEEDSTOCKS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>43.0</b>	<b>43.0</b>	<b>43.0</b>	<b>43.0</b>
Australia	43.3	43.3	43.3	43.3
Austria	42.1	42.3	42.3	42.0
Belgium	42.2	42.2	42.1	42.0
Canada	42.5	42.5	42.5	42.5
Chile	44.8	44.8	44.8	44.8
Czechia	40.2	40.2	40.2	40.2
Denmark	42.7	42.7	42.7	42.7
Finland	42.5	42.5	42.5	42.5
France	41.9	41.9	41.9	41.9
Germany	42.5	42.5	42.5	42.5
Greece	41.3	41.3	41.3	41.3
Hungary	41.8	41.8	41.8	41.8
Ireland	44.6	44.6	44.6	44.6
Israel	44.8	44.8	44.8	44.8
Italy	42.5	42.5	42.5	42.5
Japan	42.5	42.5	42.5	42.5
Korea, Republic of	44.8	47.2	47.2	47.2
Lithuania	41.4	41.5	42.3	42.3
Mexico	42.4	42.4	42.4	42.4
Morocco	41.9	41.9	41.9	41.9

Table I (continued)

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

**PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>REFINERY FEEDSTOCKS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>43.0</b>	<b>43.0</b>	<b>43.0</b>	<b>43.0</b>
Netherlands	44.0	41.9	41.8	41.8
New Zealand	43.9	43.9	43.9	43.9
Norway	42.3	42.3	42.3	42.3
Poland	43.0	43.0	43.0	42.9
Portugal	42.6	42.6	42.6	42.6
Republic of Moldova	41.6	41.6	41.6	41.6
Slovakia	42.0	43.9	43.9	43.9
Spain	42.5	42.5	42.5	42.5
Sweden	44.2	44.2	44.2	44.2
Switzerland	43.7	43.7	43.7	43.7
Turkey	43.5	41.5	41.5	41.5
United Kingdom	42.0	42.0	42.0	42.0
United States	43.5	43.5	43.5	43.5
<b>OTHER HYDROCARBONS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>36.0</b>	<b>36.0</b>	<b>36.0</b>	<b>36.0</b>
Brazil	120.0	120.0	120.0	120.0
Canada	41.9	41.9	41.9	41.9
Estonia	39.4	39.4	39.4	39.4
Finland	49.1	49.1	49.5	49.5
Hungary	40.0	40.0	40.0	40.0
Ireland	47.2	47.2	47.5	47.5
Israel	41.9	41.9	41.9	41.9
Latvia	39.4	39.4	39.4	39.4
Mexico	41.9	41.9	41.9	41.9
Poland	42.5	42.5	42.5	42.5
Portugal	120.0	120.0	120.0	120.0
Serbia	120.0	120.0	120.0	120.0
Turkey	41.9	41.9	41.9	41.9
United Kingdom	28.2	28.2	28.2	28.2
United States	51.0	51.0	51.0	51.0
<b>ADDITIVES/BLENDING COMPONENTS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>30.0</b>	<b>30.0</b>	<b>30.0</b>	<b>30.0</b>
Canada	25.1	25.1	25.1	25.1
Chile	22.7	22.7	22.7	22.7
Czechia	39.5	39.5	39.5	39.5
Equatorial Guinea	20.9	20.9	20.9	20.9
Finland	42.5	42.5	42.5	42.5
France	25.1	25.1	25.1	25.1
Germany	37.5	37.1	37.1	37.1
Greece	41.3	41.3	41.3	41.3



**Table I** (continued)**NET CALORIFIC VALUES OF ENERGY PRODUCTS  
GJ/ton****PRODUCTION, EXPORTS AND CHANGES IN STOCKS**

<b>ADDITIVES/BLENDING COMPONENTS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>30.0</b>	<b>30.0</b>	<b>30.0</b>	<b>30.0</b>
Italy	37.0	37.0	37.0	37.0
Korea, Republic of	41.9	44.1	44.1	44.1
Lithuania	41.9	41.9	41.9	41.9
Mexico	38.7	34.1	34.1	34.1
Netherlands	38.7	37.4	38.8	38.8
Norway	36.8	36.8	36.8	36.8
Poland	40.2	40.2	40.2	40.2
Portugal	37.0	37.0	37.0	37.0
Slovakia	42.0	42.0	42.0	42.0
Sweden	25.1	39.9	39.9	39.9
Switzerland	41.3	41.3	41.3	41.3
Turkey	25.1	25.1	25.1	25.1
United Kingdom	32.1	32.1	33.3	33.3
United States	37.9	37.9	37.9	37.9

Table I (continued)

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

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<b>IMPORTS</b>				
<b>HARD COAL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>
Albania	25.2	25.2	25.2	25.2
Argentina	28.4	28.8	28.8	30.0
Armenia	26.7	26.7	26.7	26.8
Australia	27.6	28.1	27.9	27.0
Austria	28.1	28.4	28.4	28.0
Azerbaijan	27.7	27.7	27.7	27.7
Bangladesh	20.9	20.9	20.9	20.9
Belarus	25.2	24.5	23.7	24.7
Belgium	27.8	29.4	29.4	29.5
Bosnia and Herzegovina	29.1	29.1	29.1	29.1
Brazil	27.7	27.7	27.5	27.6
Bulgaria	28.0	25.2	27.4	26.9
Canada	28.0	27.9	28.0	28.0
Chile	23.9	24.1	23.9	24.0
China	18.5	18.3	17.8	18.1
China, Hong Kong SAR	26.4	26.4	26.4	26.4
Colombia	27.2	27.2	27.2	28.8
Croatia	25.1	25.1	25.1	24.6
Czechia	26.1	26.5	26.2	27.2
Denmark	24.3	24.3	26.6	23.9
Egypt	25.7	25.7	25.8	25.8
Estonia	27.2	22.0	22.0	24.9
Finland	26.7	26.6	26.8	27.0
Georgia	27.6	27.6	27.6	27.6
Germany	27.5	26.6	26.7	27.4
Greece	25.5	23.3	25.9	26.1
Guatemala	28.9	28.9	28.9	28.9
Hungary	31.1	29.4	30.0	29.7
Iceland	28.1	28.1	27.8	27.8
India	26.5	26.6	26.8	26.7
Indonesia	28.2	28.2	28.2	24.5
Iran (Islamic Republic of)	28.1	26.1	25.8	25.8
Ireland	25.1	25.8	25.8	26.9
Israel	24.9	24.9	24.9	24.8
Japan	25.5	25.9	25.9	25.9
Jordan	26.7	26.7	26.7	26.7
Kazakhstan	18.6	18.6	22.1	26.2
Korea, Democratic People's Republic of	25.8	25.8	26.5	25.8
Korea, Republic of	25.5	24.8	24.8	24.8
Kosovo	22.5	22.5	27.0	23.3
Kyrgyzstan	20.8	20.5	20.9	20.9
Latvia	23.8	24.1	24.1	24.4

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Table I (continued)

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

<b>IMPORTS</b>				
<b>HARD COAL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>	<b>25.8</b>
Lebanon	27.7	27.7	27.7	27.7
Lithuania	25.1	25.1	25.1	25.1
Luxembourg	24.7	24.6	24.6	24.6
Malaysia	26.4	26.4	26.4	26.4
Mauritius	25.8	26.0	26.0	26.0
Mexico	26.1	26.0	26.0	26.0
Mongolia	28.6	28.6	28.6	28.6
Morocco	27.6	27.6	27.6	27.6
Myanmar	23.3	23.3	23.3	23.3
Namibia	22.7	22.7	22.7	22.7
Nepal	25.1	25.1	25.1	25.1
Netherlands	25.3	26.2	26.4	26.5
New Caledonia	26.0	26.0	26.0	26.0
New Zealand	26.0	26.6	27.0	28.8
North Macedonia	26.1	26.2	27.0	27.0
Pakistan	27.6	27.6	27.6	27.6
Paraguay	28.1	28.1	28.1	28.1
Peru	30.5	30.5	30.5	30.5
Poland	24.6	24.9	24.2	24.8
Portugal	24.7	24.9	24.8	24.8
Republic of Moldova	24.8	25.2	24.9	24.9
Romania	25.7	25.6	25.6	25.6
Russian Federation	25.3	25.6	25.7	25.7
Senegal	25.9	25.9	25.9	25.9
Serbia	25.7	25.6	27.5	27.7
Slovakia	29.0	29.0	28.9	28.2
Slovenia	27.3	27.4	27.3	27.3
South Africa	31.0	31.0	31.0	31.0
Spain	24.1	24.1	24.0	24.3
Sri Lanka	29.3	29.3	29.3	29.3
Sweden	29.1	29.0	28.7	29.1
Switzerland	25.5	25.5	25.5	25.5
Tajikistan	25.0	25.0	25.0	25.0
Thailand	26.4	26.4	26.4	26.4
Turkey	26.8	26.7	26.2	26.2
Ukraine	25.8	25.5	26.0	25.2
United Arab Emirates	27.7	27.7	27.8	27.8
United Kingdom	26.9	26.9	26.5	26.9
United States	24.9	25.1	25.3	24.9
Uruguay	25.8	25.8	25.8	25.8
Uzbekistan	18.6	18.6	18.6	18.6
Viet Nam	23.4	23.4	23.4	23.4
Zimbabwe	27.0	27.0	27.0	27.0

Table I (continued)

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

<b>IMPORTS</b>				
<b>BROWN COAL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>14.0</b>	<b>14.0</b>	<b>14.0</b>	<b>14.0</b>
Austria	20.5	20.3	21.1	22.1
Armenia	7.8	7.8	11.9	11.9
Belgium	22.6	22.6	22.6	22.6
Bosnia and Herzegovina	10.8	10.7	10.6	10.7
Cambodia	19.9	19.9	19.9	19.9
Canada	17.9	17.9	17.9	17.9
Croatia	16.9	17.1	17.1	17.1
Czechia	13.9	14.0	14.2	14.3
France	17.0	17.0	17.0	17.0
Georgia	17.0	17.0	17.0	17.0
Germany	18.4	18.4	18.4	17.9
Greece	5.1	5.1	4.9	4.7
Hungary	18.2	17.9	17.9	17.9
India	18.0	18.0	18.0	18.0
Italy	18.7	17.0	10.5	10.5
Kazakhstan	18.6	19.5	19.5	19.4
Korea, Democratic People's Republic of	17.6	17.6	17.6	17.6
Korea, Republic of	21.4	21.4	21.4	19.9
Kosovo	7.8	7.8	7.8	7.8
Kyrgyzstan	14.7	14.7	14.7	14.7
Lao People's Democratic Republic	10.9	10.8	9.6	9.6
Lithuania	22.7	22.7	22.7	22.7
Mexico	19.0	19.0	19.0	18.6
Montenegro	9.2	9.2	9.6	10.3
Netherlands	20.0	20.0	20.0	20.0
New Zealand	20.3	20.2	20.2	23.2
Philippines	21.6	22.0	21.9	22.0
Poland	8.1	8.3	8.3	7.9
Romania	20.8	24.5	22.8	22.8
Russian Federation	14.9	14.9	14.9	14.9
Serbia	8.1	8.1	8.1	8.1
Slovakia	13.8	14.3	14.3	14.3
Slovenia	13.8	19.0	19.0	19.0
Switzerland	23.6	23.6	23.6	23.6
North Macedonia	20.8	22.1	19.4	19.9
United States	19.7	19.6	19.8	19.9
Uzbekistan	14.7	14.7	14.7	14.7

Table I (continued)

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

	<b>IMPORTS</b>				
<b>COKE OVEN COKE</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	
<b>Standard factor</b>	<b>28.2</b>	<b>28.2</b>	<b>28.2</b>	<b>28.2</b>	
Argentina	28.5	28.5	28.5	28.5	
Australia	27.0	27.0	27.0	27.0	
Austria	28.9	28.6	27.9	28.7	
Belgium	29.3	29.3	29.3	29.3	
Bosnia and Herzegovina	28.5	28.5	28.5	28.5	
Brazil	28.9	28.9	28.9	28.9	
Bulgaria	28.5	28.5	28.5	28.5	
Belarus	29.0	29.0	29.0	29.0	
Canada	27.5	27.5	27.5	27.5	
China	28.5	28.5	28.4	28.4	
Colombia	20.1	20.1	20.1	20.1	
Croatia	29.3	29.3	29.3	29.3	
Czechia	28.1	28.0	26.8	28.1	
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	
Hungary	29.9	29.6	29.3	29.5	
Iceland	26.7	26.7	27.8	27.8	
Italy	28.4	28.4	28.8	28.4	
Japan	29.2	29.2	29.2	29.2	
Kazakhstan	26.8	26.9	26.9	27.5	
Korea, Republic of	28.9	28.9	28.9	28.9	
Lithuania	29.3	29.3	29.3	29.3	
Luxembourg	28.5	28.5	28.5	28.5	
Mexico	28.4	28.7	28.7	27.8	
Netherlands	28.5	28.5	28.5	28.5	
North Macedonia	27.5	26.9	29.1	28.6	
Norway	28.5	28.5	28.5	28.5	
Peru	28.2	28.2	28.2	28.2	
Poland	28.0	28.0	28.0	28.0	
Portugal	30.4	30.8	30.8	30.8	
Romania	26.4	26.4	26.4	26.4	
Russian Federation	29.0	29.0	29.0	29.0	
Serbia	29.0	29.0	29.0	29.0	
Slovakia	26.5	27.7	27.7	28.0	
Spain	26.8	27.3	27.3	27.3	
Sweden	28.1	28.1	28.1	28.1	
Switzerland	25.5	25.5	25.5	25.5	
Turkey	27.0	27.0	27.0	27.0	
Ukraine	25.1	25.1	25.1	25.1	
North Macedonia	27.5	26.9	29.1	28.6	
United Kingdom	29.8	29.8	29.8	29.8	
United States	28.9	28.9	28.9	28.9	

Table I (continued)

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

<b>IMPORTS</b>				
<b>PATENT FUEL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>
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 Arab Emirates	29.0	29.0	29.0	29.0
United Kingdom	28.3	28.3	28.3	28.3
<b>BROWN COAL BRIQUETTES</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>	<b>20.7</b>
Australia	21.0	22.0	21.0	22.0
Austria	19.8	19.8	19.8	19.8
Belgium	20.7	20.7	20.7	20.7
Czechia	19.8	20.0	20.2	20.3
France	16.9	16.9	16.9	16.9
Germany	25.5	22.1	25.6	25.6
Hungary	19.1	19.0	19.6	19.3
Ireland	19.8	19.8	19.8	19.8
Luxembourg	22.2	22.2	22.2	22.2
Mexico	18.0	18.0	18.0	18.0
Netherlands	20.0	20.0	20.0	20.0
Poland	17.5	17.5	17.5	17.5
Serbia	15.8	15.8	15.8	15.8
Slovakia	17.9	17.2	17.6	17.6
<b>PEAT</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>	<b>9.8</b>
Finland	10.0	9.9	9.9	10.4
Latvia	10.1	10.1	10.1	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
Ukraine	9.7	9.7	9.7	9.7

Table I (continued)

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

<b>IMPORTS</b>				
<b>CRUDE OIL</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>42.3</b>	<b>42.3</b>	<b>42.3</b>	<b>42.3</b>
Azerbaijan	43.1	43.1	43.1	43.1
Australia	42.7	42.7	42.7	42.7
Austria	42.5	42.5	42.5	42.5
Belgium	42.2	42.2	42.1	42.1
Brazil	42.2	42.3	42.3	42.3
Canada	42.8	42.8	42.8	42.8
Chile	43.2	43.2	43.2	43.2
China	41.9	41.9	41.9	41.9
Czechia	42.4	42.4	42.8	42.8
Denmark	43.0	43.0	43.0	43.0
Finland	42.7	42.7	42.7	42.7
France	42.8	42.8	42.8	42.8
Georgia	42.5	42.5	42.5	42.5
Germany	42.5	42.5	42.5	42.5
Greece	41.5	41.5	41.5	41.5
China, Hong Kong SAR	42.5	42.5	42.5	42.5
Hungary	41.8	41.8	41.8	41.8
Ireland	42.8	42.8	42.8	42.8
Israel	42.5	42.7	42.7	42.7
Italy	41.9	41.9	41.9	41.9
Japan	42.1	42.0	42.0	42.0
Korea, Republic of	42.7	42.2	42.2	42.2
Lithuania	42.3	42.3	42.3	42.3
Morocco	43.5	43.5	43.5	43.5
Netherlands	42.4	42.4	42.4	42.4
New Zealand	42.7	42.7	42.7	42.7
Norway	42.8	42.8	42.8	42.8
Peru	42.2	43.4	43.4	43.4
Poland	43.0	43.0	42.3	42.3
Portugal	42.5	42.5	42.5	42.5
Slovakia	43.0	43.0	43.0	43.0
Spain	42.0	42.0	42.0	42.0
Sweden	42.3	42.3	42.3	42.3
Switzerland	42.2	42.2	42.2	42.2
Turkey	43.2	43.2	43.2	43.2
United Kingdom	44.3	44.3	44.3	44.4
United States	43.4	43.4	43.4	43.4

Table I (continued)

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

<b>IMPORTS</b>				
	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>NATURAL GAS LIQUIDS</b>				
<b>Standard factor</b>	<b>44.2</b>	<b>44.2</b>	<b>44.2</b>	<b>44.2</b>
Azerbaijan	39.1	39.1	39.1	39.1
Armenia	34.7	34.7	34.7	34.7
Belgium	45.2	45.2	45.2	45.2
Canada	45.2	45.2	45.2	45.2
Equatorial Guinea	47.3	47.3	47.3	47.3
Finland	44.0	44.0	44.0	44.0
France	42.0	42.0	42.0	42.0
Japan	45.4	45.6	45.3	45.3
Netherlands	44.0	44.0	44.0	44.0
Peru	42.1	42.1	42.1	42.1
Republic of Moldova	42.0	42.0	42.0	42.0
United Kingdom	45.3	45.3	45.3	45.3
United States	48.1	47.7	47.5	46.1
<b>REFINERY FEEDSTOCKS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>43.0</b>	<b>43.0</b>	<b>43.0</b>	<b>43.0</b>
Australia	43.3	43.3	43.3	43.3
Austria	42.1	42.3	42.3	42.3
Belgium	42.2	42.2	42.1	42.0
Czechia	40.2	40.2	40.2	40.2
France	41.9	41.9	41.9	41.9
Greece	41.3	41.3	41.3	41.3
Hungary	41.8	41.8	41.8	41.8
Israel	44.8	44.8	44.8	44.8
Italy	42.5	42.5	42.5	42.5
Korea, Republic of	44.8	47.2	47.2	47.2
Lithuania	41.4	41.5	42.3	42.3
Morocco	41.9	41.9	41.9	41.9
New Zealand	43.9	43.9	43.9	43.9
Poland	43.0	43.0	43.0	42.9
Portugal	42.6	42.6	42.6	42.6
Republic of Moldova	41.6	41.6	41.6	41.6
Spain	42.5	42.5	42.5	42.5
Sweden	44.2	44.2	44.2	44.2
Switzerland	43.7	43.7	43.7	43.7
United Kingdom	42.0	42.0	42.0	42.0
United States	43.5	43.5	43.5	43.5



**Table I** (continued)

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

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<b>IMPORTS</b>				
<b>OTHER HYDROCARBONS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>36.0</b>	<b>36.0</b>	<b>36.0</b>	<b>36.0</b>
Belgium	120.0	120.0	120.0	120.0
Canada	41.9	41.9	41.9	41.9
Estonia	39.4	39.4	39.4	39.4
Latvia	39.4	39.4	39.4	39.4
Serbia	120.0	120.0	120.0	120.0
Sweden	41.9	41.9	41.9	41.9
United Kingdom	28.2	28.2	28.2	28.2
United States	51.0	51.0	51.0	51.0
<b>ADDITIVES/BLENDING COMPONENTS</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>
<b>Standard factor</b>	<b>30.0</b>	<b>30.0</b>	<b>30.0</b>	<b>30.0</b>
Canada	25.1	25.1	25.1	25.1
Chile	22.7	22.7	22.7	22.7
Czechia	39.5	39.5	39.5	39.5
Finland	42.5	42.5	42.5	42.5
France	25.1	25.1	25.1	25.1
Greece	41.3	41.3	41.3	41.3
Italy	37.0	37.0	37.0	37.0
Korea, Republic of	41.9	44.1	44.1	44.1
Lithuania	41.9	41.9	41.9	41.9
Mexico	38.7	34.1	34.1	34.1
Netherlands	38.7	37.4	38.8	38.8
Poland	40.2	40.2	40.2	40.2
Portugal	37.0	37.0	37.0	37.0
Slovakia	42.0	42.0	42.0	42.0
Switzerland	41.3	41.3	41.3	41.3
Turkey	25.1	25.1	25.1	25.1
United Kingdom	32.1	32.1	33.3	33.3
United States	37.9	37.9	37.9	37.9