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**Electricity, Heat, and CHP**  
in the  
**IEA Energy Balances**



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## Outline

- > Energy balance: an overview
- > Electricity and heat: definitions in IEA questionnaires
- > The IEA energy balance: focus on electricity and heat
- > How to find more information...



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# Energy balance: an overview



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## Starting point: energy statistics

		Lignite		Oil (1000 tonnes)	...
		COKING BIT. COAL	OVEN COKE	Crude Oil	...
Supply	Production	280648	785921	174	181353
	From Other Sources	-	92339	-	-
	Imports	7195	18977	1011	126817
	Exports	-5250	-66416	-13462	-49
	Infl. Marine Bunkers	-218	-14356	-	19
Transformation	Stock Changes	-	-	-	788
	DOMESTIC SUPPLY	282365	816465	229755	11344
	Transfers	3664	17173	-3764	145
	Statistical Differences	-	-	-	-1328
	TRANSFORMATION	285328	244259	151139	290621
Energy	Electricity Plants	839	630146	-	213
	CHP Plants	-	-	-	-
	Heat Plants	67	135353	-	3
	Blast Furnaces/Gas Works	4923	7846	151091	-
	Coke/Pet. Fuel/BKG Plants	259499	-	-	-
Consumption	Petroleum Refineries	-	-	-	-
	Petrochemical Industry	-	-	-	-
	Liquefaction Plants	-	-	-	-
	Other Transform. Sector	-	-	-	-
	ENERGY SECTOR	4074	7	-	-
Industry	Fuel Mining and Extraction	1671	4	-	-
	Petroleum Refineries	40	2	-	-
	Electr., CHP & Heat Plants	40	2	-	-
	Pumped Storage (Elec.)	-	-	-	-
	Other Energy Sector	2363	-	-	-
Transport	Distribution Losses	-	-	704	-
	FINAL CONSUMPTION	16627	509728	73742	11489
	INDUSTRY SECTOR	15566	355353	61791	1587
	Iron and Steel	7404	45741	41593	-
	Chemical and Petrochem.	2409	42442	6756	758
Other Sectors	Non-Ferrous Metals	590	9555	3721	-
	Non-Metallic Minerals	3254	-	-	-
	Transport Equipment	68	-	-	-
	Machinery	541	-	-	-
	Mining and Quarrying	224	-	-	-
Non-Energy Use	Food and Tobacco	283	-	-	-
	Paper, Pulp and Print	306	16397	42	-
	Wood and Wood Products	33	3609	27	-
	Construction	57	6002	184	-
	Textile and Leather	146	19212	43	-
Non-Energy Use	Non-specified	181	8053	136	829
	TRANSPORT SECTOR	-	8026	11	-
	International Aviation	-	-	-	-
	Domestic Aviation	-	-	-	-
	Road	-	-	-	-
Non-Energy Use	Rail	-	8026	9	-
	Pipeline Transport	-	-	-	-
	Domestic Navigation	-	-	-	-
	Non-specified	-	-	-	-
	OTHER SECTORS	-	117591	2255	9841
Non-Energy Use	Residential	-	77549	-	965
	Comm. and Publ. Services	-	8759	-	3641
	Agriculture/Forestry	-	23152	-	635
	Fishing	-	7821	-	235
	Non-specified	-	-	-	-
Non-Energy Use	NON-ENERGY USE	1061	23258	9685	61
	In Industry/Trans./Energy	1061	23258	9685	61
	of which: Feedstocks	-	-	-	1158
	in Transport	-	-	-	-
	in Other Sectors	-	-	-	-

China, 2005  
(IEA 2007)



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# Energy balance: a compact source of information

		ktoe							Total
SUPPLY AND CONSUMPTION		Coal	Crude Petroleum Oil Products	Gas	Nuclear	Hydro Geotherm Solar	Combust. Electricity Renew.	Heat	
Supply	Production	14893	120817	41493	-	-	-	-	
	Imports	-55279	-8067	-16722	-2484	-	-	-	
	Exports	-17345	788	288	-	-	-	-	
	Stock Changes	-	-	-	-	-	-	-	
<b>TPES</b>		<b>1087624</b>	<b>300965</b>	<b>17417</b>	<b>40137</b>	<b>13835</b>	<b>34143</b>	<b>223561</b>	
Transformation and Energy Sectors	Transfers	-74	88	-	-	-	-	-	
	Statistical Differences	7118	-1328	917	-1137	-	-	-	
	Electricity Plants	-527596	-213	-15059	-2637	-13835	-34143	-	
	CHP Plants	-	-	-	-	-	-	-	
	Heat Plants	-71089	-3	-2672	-1938	-	-	-503	
	Gas Works	-6640	-	-144	4841	-	-	-	
	Petroleum Refineries	-	-	-	-	-	-	-	
	Coal Transformation	-	-	-	-	-	-	-	
	Liquefaction Plants	-	-	-	-	-	-	-	
	Other Transformation	-	-	-	-	-	-	-	
Consumption	Own Use	-	-	-	-	-	-	-	
	Distribution Losses	-	-	-20	-864	-	-	-14434	
	<b>TFC</b>	<b>373308</b>	<b>3905</b>	<b>266532</b>	<b>31852</b>	-	-	<b>222197</b>	
	<b>INDUSTRY SECTOR</b>		<b>279763</b>	<b>2509</b>	<b>266532</b>	<b>31852</b>	-	-	<b>116217</b>
	Iron and Steel	102609	-	-	-	-	-	-	
	Chemical and Petrochemical	28095	-	-	-	-	-	-	
	Non-Ferrous Metals	8147	-	-	-	-	-	-	
	Non-Metallic Minerals	85282	-	-	-	-	-	-	
	Transport Equipment	3208	-	-	-	-	-	-	
	Machinery	9117	-	-	-	-	-	-	
Industry	Mining and Quarrying	3628	-	-	-	-	-	-	
	Food and Tobacco	11818	-	-	-	-	-	-	
	Paper Pulp and Printing	8551	-	-	-	-	-	-	
	Wood and Wood Products	1870	-	-	-	-	-	-	
	Construction	3200	-	-	-	-	-	-	
	Textile and Leather	9378	-	-	-	-	-	-	
	Non-specified	4642	-	-	-	-	-	-	
	<b>TRANSPORT SECTOR</b>	<b>4080</b>	-	-	-	-	-	-	
	International Aviation	-	-	-	-	-	-	-	
	Domestic Aviation	-	-	-	-	-	-	-	
Transport	Road	-	-	-	-	-	-	-	
	Rail	-	-	-	-	-	-	-	
	Pipeline Transport	-	-	-	-	-	-	-	
	Domestic Navigation	-	-	-	-	-	-	-	
	Non-specified	-	-	-	-	-	-	-	
	<b>OTHER SECTORS</b>	<b>114230</b>	-	-	-	-	-	-	
	Residential	46162	-	-	-	-	-	-	
	Comm. and Publ. Services	5190	-	-	-	-	-	-	
	Agriculture/Forestry	12165	-	-	-	-	-	-	
	Fishing	3872	-	-	-	-	-	-	
Non-specified	3872	-	-	-	-	-	-		
Non-Energy Use	<b>NON-ENERGY USE</b>	<b>22085</b>	<b>1158</b>	<b>61369</b>	<b>7336</b>	-	-	-	
	in Industry/Transf./Energy	22085	1158	61369	7336	-	-	-	
	of which: Feedstocks	-	-	-	-	-	-	-	
	in Transport	-	-	-	-	-	-	-	
	in Other Sectors	-	-	-	-	-	-	-	
	<b>Electr. Generated - GWh</b>	<b>1972267</b>	-	<b>60634</b>	<b>11931</b>	<b>53088</b>	<b>397017</b>	-	<b>2497441</b>
	<b>Heat Generated - TJ</b>	<b>2091954</b>	-	<b>94145</b>	<b>90203</b>	-	-	<b>12645</b>	<b>2288947</b>

Comparable information for all products

In energy units

Global picture of energy situation in a country

China, 2005  
(IEA 2007)

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# Energy balance: some examples of information

		Thousand tonnes of oil equivalent							Total
SUPPLY AND CONSUMPTION		Coal	Crude Petroleum Oil Products	Gas	Nuclear	Hydro Geotherm Solar	Combust. Electricity Renew.	Heat	
Production		1145385	181427	-	-	-	-	-	
Imports		14893	120817	41493	-	-	-	-	
Exports		-55279	-8067	-16722	-2484	-	-	-	
Stock Changes		-17345	788	288	-	-	-	-	
<b>TPES</b>		<b>1087624</b>	<b>300965</b>	<b>17417</b>	<b>40137</b>	<b>13835</b>	<b>34143</b>	<b>223561</b>	
Transfers		-74	88	-	-	-	-	-	
Statistical Differences		7118	-1328	917	-1137	-	-	-	
Electricity Plants		-527596	-213	-15059	-2637	-13835	-34143	-	
CHP Plants		-	-	-	-	-	-	-	
Heat Plants		-71089	-3	-2672	-1938	-	-	-503	
Gas Works		-6640	-	-144	4841	-	-	-	
Petroleum Refineries		-	-	-	-	-	-	-	
Coal Transformation		-	-	-	-	-	-	-	
Liquefaction Plants		-	-	-	-	-	-	-	
Other Transformation		-	-	-	-	-	-	-	
Own Use		-	-	-	-	-	-	-	
Distribution Losses		-	-	-20	-864	-	-	-14434	
<b>TFC</b>		<b>373308</b>	<b>3905</b>	<b>266532</b>	<b>31852</b>	-	-	<b>222197</b>	
<b>INDUSTRY SECTOR</b>		<b>279763</b>	<b>2509</b>	<b>266532</b>	<b>31852</b>	-	-	<b>116217</b>	
Iron and Steel		102609	-	-	-	-	-	-	
Chemical and Petrochemical		28095	-	-	-	-	-	-	
Non-Ferrous Metals		8147	-	-	-	-	-	-	
Non-Metallic Minerals		85282	-	-	-	-	-	-	
Transport Equipment		3208	-	-	-	-	-	-	
Machinery		9117	-	-	-	-	-	-	
Mining and Quarrying		3628	-	-	-	-	-	-	
Food and Tobacco		11818	-	-	-	-	-	-	
Paper Pulp and Printing		8551	-	-	-	-	-	-	
Wood and Wood Products		1870	-	-	-	-	-	-	
Construction		3200	-	-	-	-	-	-	
Textile and Leather		9378	-	-	-	-	-	-	
Non-specified		4642	-	-	-	-	-	-	
<b>TRANSPORT SECTOR</b>		<b>4080</b>	-	-	-	-	-	-	
International Aviation		-	-	-	-	-	-	-	
Domestic Aviation		-	-	-	-	-	-	-	
Road		-	-	-	-	-	-	-	
Rail		-	-	-	-	-	-	-	
Pipeline Transport		-	-	-	-	-	-	-	
Domestic Navigation		-	-	-	-	-	-	-	
Non-specified		-	-	-	-	-	-	-	
<b>OTHER SECTORS</b>		<b>114230</b>	-	-	-	-	-	-	
Residential		46162	-	-	-	-	-	-	
Comm. and Publ. Services		5190	-	-	-	-	-	-	
Agriculture/Forestry		12165	-	-	-	-	-	-	
Fishing		3872	-	-	-	-	-	-	
Non-specified		3872	-	-	-	-	-	-	
<b>NON-ENERGY USE</b>		<b>22085</b>	<b>1158</b>	<b>61369</b>	<b>7336</b>	-	-	-	
in Industry/Transf./Energy		22085	1158	61369	7336	-	-	-	
of which: Feedstocks		-	-	-	-	-	-	-	
in Transport		-	-	-	-	-	-	-	
in Other Sectors		-	-	-	-	-	-	-	
<b>Electr. Generated - GWh</b>		<b>1972267</b>	-	<b>60634</b>	<b>11931</b>	<b>53088</b>	<b>397017</b>	-	
<b>Heat Generated - TJ</b>		<b>2091954</b>	-	<b>94145</b>	<b>90203</b>	-	-	<b>12645</b>	

Comparison between countries

TPES in 2005  
1717 Mtoe

World	11434
United States	2340
China	1717
Russia	647
India	537
Japan	530
Germany	345
France	276
Canada	272
United Kingdom	234
Korea	214

China, 2005  
(IEA 2007)

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## Energy balance: some examples of information

Thousand tonnes of oil equivalent

SUPPLY AND CONSUMPTION	Coal	Crude Petroleum Oil Products	Gas	Nuclear	Hydro Geotherm.	Combust. Electricity	Heat	Total	
Production	1145355	181427	-	42621	13835	34143	-	1640944	
Imports	14983	126317	41483	-	-	-	431	163834	
Exports	-55279	-8067	-16722	-2484	-	-	-963	-83514	
	Coal	Crude Petroleum Oil Products	Gas	Nuclear	Hydro Geotherm.	Combust. Electricity	Heat	Total	
Electricity Plants	-527596	-213	-15059	-2637	-13835	-34143	-861	214780	-379565
CHP Plants	-	-	-	-	-	-	-	-	-
Heat Plants	-71089	-3	-2672	-1938	-	-	-503	54660	-21545
Gas Works	-6640	-144	4841	-	-	-	-	-	-1943
Petroleum Refineries	-290405	283439	-	-	-	-	-	-	-6966
Coal Transformation	-69485	-	-	-	-	-	-	-	-69485
Liquefaction Plants	-	-	-	-	-	-	-	-	-
Other Transformation	-	-	-	-	-	-	-	-	-
Own Use	-46624	-5037	-17434	-6549	-	-	-28398	-10647	-114690
Distribution Losses	-	-20	-864	-	-	-	-14494	-630	-16009
Transport	-3228	-1067	-	468	-	-	2680	625	7956
Machinery	-	-	-	-	-	-	-	-	20891
Mining and	-	-	-	-	-	-	-	-	9644
Food and	-	-	-	-	-	-	-	-	19714
Paper and	-	-	-	-	-	-	-	-	15768
Wood and	-	-	-	-	-	-	-	-	3352
Construct	-	-	-	-	-	-	-	-	9608
Textile and	-	-	-	-	-	-	-	-	22587
Non-spec	-	-	-	-	-	-	-	-	17788
TRANSPORTATION	-	-	-	-	-	-	-	-	114230
International Aviation	-	-	-	-	-	-	-	-	2055
Domestic Aviation	-	-	-	-	-	-	-	-	7566
Road	-	-	-	-	-	-	-	-	75740
Rail	-	-	-	-	-	-	-	-	14944
Pipeline T	-	-	-	-	-	-	-	-	4638
Domestic	-	-	-	-	-	-	-	-	9248
Non-spec	-	-	-	-	-	-	-	-	1
OTHER USE	-	-	-	-	-	-	-	-	430083
Residential	-	-	-	-	-	-	-	-	331502
Comm. an	-	-	-	-	-	-	-	-	41576
Agriculture	-	-	-	-	-	-	-	-	60885
Fishing	-	-	-	-	-	-	-	-	-
Non-specified	3872	238	-	-	-	-	11532	988	16830
NON-ENERGY USE	22085	1158	61369	7336	-	-	-	-	91948
	Coal	Crude Petroleum Oil Products	Gas	Nuclear	Hydro Geotherm.	Combust. Electricity	Heat	Total	
Electr. Generated - GWh	1872267	60634	11931	53088	397017	2504	-	2497441	
Electricity Plants	1972267	60634	11931	53088	397017	2504	-	2497441	

China, 2005  
(IEA 2007)

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**Electricity and heat:  
definitions in IEA/Eurostat/UNECE questionnaires**



## Type of producer and type of plant

- > **Production of electricity and heat from**
  - **Main Activity Producers**  
generate electricity and/or heat for sale to third parties, as their primary activity.
  - **Autoproducers**  
generate electricity and/or heat, wholly or partly for their own use, as an activity which supports their primary activity.
  
- > **Type of Plant**
  - **Electricity only** – plant designed to produce electricity only
  - **CHP** – plant designed to produce both heat and electricity
  - **Heat only** – plant designed to produce heat only



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## Which quantities should be reported?

	Electricity Only	CHP	Heat Only
<b>Main Activity Producer</b>	Report <b>all electricity</b> production and all fuel used	Report <b>all electricity and heat</b> produced and all fuel used	Report <b>all heat</b> produced and all fuel used
<b>Autoproducer</b>		Report <b>all electricity</b> produced and <b>heat sold</b> with corresponding fuel used	Report <b>heat sold</b> and corresponding fuel used

### Electricity:

- Report all production

### Heat:

- *Main Activity Producer (CHP or Heat Plants):* report all heat production.
- *Autoproducer:* report only production of the heat sold to third parties.



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## Note: electricity input and output across questionnaires

- > **Input** to electricity and heat generation by fuel is submitted **both** in **electricity/heat** questionnaire and in specific **fuel** (e.g. gas, coal, ...) questionnaire
- > The two values can **differ** (due to different reporting by country). Generally better agreement if country also produces a unified energy balance
- > The **IEA balance** is based on **input** of specific **fuel** questionnaire (to keep commodity balance in place) and on **output** of **electricity/heat** questionnaire
- > The IEA also publishes the input reported in the electricity/heat questionnaire in the “Electricity Information” publication/database
- > National administrations are contacted anyway to reconcile discrepancies



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## The IEA energy balance: focus on electricity and heat



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Netherlands / Pays-Bas : 2005										
Million tonnes of oil equivalent / Million de tonnes d'équivalent pétrole										
SUPPLY AND	Coal	Crude Petroleum	Gas	Nuclear	Hydro Geotherm.	Combust.	Electricity	Heat	Total	
Production	-	2.34	-	56.25	1.04	0.01	0.22	2.04	-	61.90
Imports	13.02	63.25	64.28	16.44	-	-	0.62	2.04	-	159.64
Exports	-4.70	-1.16	-78.03	-	-	-	-0.04	-0.46	-	-121.77
Int. Marine Bunkers	-	-	-16.89	-	-	-	-	-	-	-16.89
Stock Changes	-0.13	-0.25	-0.66	-	-	-	-	-	-	-1.03
<b>TPES</b>	<b>8.19</b>	<b>64.18</b>	<b>-31.30</b>	<b>35.31</b>	<b>1.04</b>	<b>0.01</b>	<b>0.22</b>	<b>2.62</b>	<b>1.57</b>	<b>81.85</b>
Transfers	-	23.06	-23.96	-	-	-	-	-	-	-0.90
Statistical Differences	-	-	-0.10	-	-	-	-	-	-	-0.10
Electricity Plants	-3.35	-	-	-3.21	-1.04	-0.01	-0.20	-1.30	3.65	-5.74
CHP Plants	-2.24	-	-0.58	-8.06	-	-	-	-0.75	4.97	-2.96
Heat Plants	-	-	-	-0.26	-	-	-	-0.17	-	0.38
Gas Works	-	-	-	-	-	-	-	-	-	-
Petroleum Refineries	-	-87.24	-	-	-	-	-	-	-	1.35
Coal Transformation	-1.48	-	-	-	-	-	-	-	-	-1.48
Liquefaction Plants	-	-	-	-	-	-	-	-	-	-
Other Transformation	-	-	-	-	-	-	-	-0.00	-	-0.00
Own Use	-0.19	-	-3.88	-1.48	-	-	-	-	-0.82	-6.58
Distribution Losses	-	-	-	-	-	-	-	-0.38	-0.61	-1.00
<b>TFC</b>	<b>0.93</b>	<b>-</b>	<b>28.76</b>	<b>22.29</b>	<b>-</b>	<b>-</b>	<b>0.02</b>	<b>0.39</b>	<b>8.99</b>	<b>64.37</b>
Textile and Leather	0.00	-	-	0.08	-	-	-	0.04	0.00	0.12
Non-specified	-	-	0.01	0.19	-	-	0.10	0.24	0.01	0.55
<b>TRANSPORT SECTOR</b>	<b>-</b>	<b>-</b>	<b>15.31</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0.14</b>	<b>-</b>	<b>15.45</b>
International Aviation	-	-	3.73	-	-	-	-	-	-	3.73
Domestic Aviation	-	-	0.08	-	-	-	-	-	-	0.08
Road	-	-	11.26	-	-	-	-	-	-	11.26
Rail	-	-	0.03	-	-	-	-	0.14	-	0.17
Pipeline Transport	-	-	-	-	-	-	-	-	-	-
Domestic Navigation	-	-	-	-	-	-	-	-	-	0.21
Non-specified	-	-	-	-	-	-	-	0.00	-	0.00
<b>OTHER SECTORS</b>	<b>0.03</b>	<b>-</b>	<b>0.96</b>	<b>14.09</b>	<b>-</b>	<b>0.02</b>	<b>0.27</b>	<b>5.27</b>	<b>1.30</b>	<b>21.95</b>
Residential	0.00	-	0.08	7.52	-	0.02	0.23	2.08	0.41	10.34
Comm. and Publ. Services	0.03	-	0.39	3.57	-	-	0.04	2.69	0.84	7.56
Agriculture/Forestry	-	-	0.49	3.00	-	-	-	0.50	0.06	4.04
Fishing	-	-	-	-	-	-	-	-	-	-
Non-specified	-	-	-	-	-	-	-	-	-	-
<b>NON-ENERGY USE</b>	<b>0.28</b>	<b>-</b>	<b>10.44</b>	<b>2.46</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13.17</b>
in Industry/Transf./Energy	0.28	-	10.20	2.46	-	-	-	-	-	12.93
of which: Feedstocks	0.09	-	8.60	2.46	-	-	-	-	-	11.15
in Transport	-	-	0.09	-	-	-	-	-	-	0.09
in Other Sectors	-	-	0.15	-	-	-	-	-	-	0.15



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Transformation sector: electricity and heat										
										Total ele/heat output (positive)
SUPPLY AND CONSUMPTION	Coal	Crude Petroleum	Gas	Nuclear	Hydro Geotherm.	Combust. Solar etc.	Renew. & Waste	Electricity	Heat	Total
Electricity Plants	-3.35	-	-3.21	-1.04	-0.01	-0.20	-1.30	3.65	-0.28	5.74
CHP Plants	-2.24	-	-0.58	-8.06	-	-	-0.75	4.97	3.70	2.96
Heat Plants	-	-	-0.26	-	-	-	-0.17	-	0.38	-0.06
<b>Input by fuel (negative)</b>										<b>Total losses (negative)</b>



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## Note: heat and autoproducers

- > Since heat production reported for autoproducers includes **only the heat sold** to third parties, the heat produced and not sold (used directly) is not included in the energy balance
- > The quantities of fuel consumed for the production of heat which is not sold will remain in the figures for the **final consumption of fuels** by the relevant sector of economic activity



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## Autoproducers and total final consumption

Million tonnes of oil equivalent / Million de tonnes d'équivalent pétrole												
SUPPLY AND CONSUMPTION	Coal	Crude Oil	Petroleum Products	Gas	Nuclear	Hydro	Geotherm.	Combust. Solar etc. & Waste	Renew.	Electricity	Heat	Total
TFC	0.93	-	28.76	22.29	-	-	0.02	0.39	-	8.99	2.98	64.37
INDUSTRY SECTOR	0.62	-	2.05	5.75	-	-	-	0.12	-	3.58	1.68	13.79
Iron and Steel	0.57	-	0.00	0.32	-	-	-	-	-	0.23	0.00	1.10
Chemical and Petrochem.	-	-	1.32	2.05	-	-	-	0.00	-	1.06	0.98	5.41
Non-Ferrous Metals	-	-	-	0.10	-	-	-	-	-	0.54	0.04	0.68
Non-Metallic Minerals	-	-	-	-	-	-	-	-	-	0.12	0.03	0.76
Transport Equipment	-	-	-	-	-	-	-	-	-	0.05	0.00	0.42
Machinery	-	-	-	-	-	-	-	-	-	0.29	0.02	1.19
Mining and Quarrying	-	-	-	-	-	-	-	-	-	0.05	0.17	0.36
Food and Tobacco	-	-	-	-	-	-	-	-	-	0.2	0.18	2.21
Paper, Pulp and Printing	-	-	-	-	-	-	-	-	-	0.32	0.19	0.98
Wood and Wood Products	-	-	-	-	-	-	-	-	-	0.02	0.04	0.08
Construction	-	-	-	-	-	-	-	-	-	0.04	-	0.24
Textile and Leather	-	-	-	-	-	-	-	-	-	0.04	0.00	0.12
Non-specified	-	-	0.01	0.19	-	-	-	0.10	-	0.24	0.01	0.55

**Total fuel consumed  
(except for generation of all  
electricity and of heat sold)**

**Total ele consumed  
(produced/purchased)**

**Heat purchased only**



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## How to find more information...



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## The IEA/Eurostat energy statistics manual

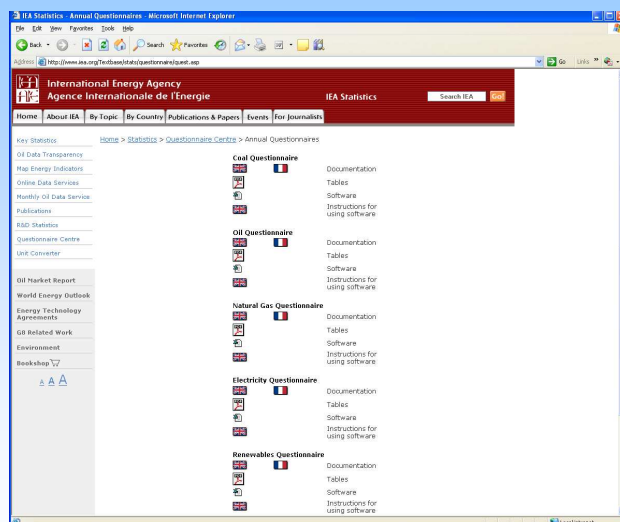
The screenshot shows a web browser window displaying the IEA website. The page title is "Energy Statistics Manual". The main content area includes a description of the manual, its size (1854 KB), and a "Download the PDF" link. There are also links for different language versions: French, German, Spanish, Russian, and Chinese. The footer of the page contains the copyright information: "© 2007 OECD/IEA | Terms and Conditions, Use and Copyright | Contact webmaster".

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## The five IEA/Eurostat/UNECE Questionnaires



<http://www.iea.org/Textbase/stats/questionnaire/quest.asp>



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**Thank you!**



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