

**PRESS RELEASE**  
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**Energy resources and consumptions in 2012**

For a correct interpretation of results, please read the methodological notes from page 4 of this press release

In 2012, the energy resources and the primary energy production recorded a slight decrease as compared to 2011 (- 2.4%, respectively -1.3%).  
As against previous year, the energy products import recorded a slight increase (+0.4%).  
Final energy consumption remained at the same level of previous year.

In 2012, the available **energy resources** amounted to 43.4 million tonnes oil equivalent<sup>1)</sup> (toe), decreasing by 1055 thousand toe (-2.4%) as against previous year, mainly due to the decreased primary energy production.

**Energy resources, in terms of structure and main items,  
in 2012, as compared to 2011**

	2012	2011	2012 as against 2011	
	thousand toe	thousand toe	thousand toe (±)	%
<b>ENERGY RESOURCES - TOTAL</b>	<b>43403</b>	<b>44458</b>	<b>-1055</b>	<b>97.6</b>
- Primary energy production (including recovered energy)	27112	27465	-353	98.7
- Import	11615	11570	+45	100.4
- Stock at the beginning of the year	4676	5423	-747	86.2
• out of primary energy resources:				
- coal (excluding coke)	7846	8298	-452	94.6
- crude oil <sup>2)</sup>	9718	10426	-708	93.2
- usable natural gas <sup>3)</sup>	12582	12676	-94	99.3
- coke from imports	470	505	-35	93.1
- hydroelectric, wind, solar photovoltaic and nuclear-electric energy	4101	4286	-185	95.7

<sup>1)</sup>conventional fuel with a calorific power of 10000 kcal/kg; <sup>2)</sup>including gasoline and ethane from extraction scaffolds;

<sup>3)</sup>excluding gasoline and ethane from extraction scaffolds;

The decrease in crude oil resources (-6.8%) was accompanied, inter alia, by the decrease in coal (-5.4%) and natural gas (-0.7%) resources.

**The primary energy production** of 2012, amounting to 27.1 million toe, slightly decreased (-353 thousand toe) as against 2011, but still preserved its significant weight in total energy resources, accounting for 62.5% of them.

Production decreases were recorded for all the primary energy carriers, except for natural gas production which increased by 0.5% as compared to previous year.

#### **Production of main primary energy carriers in 2012, as compared to 2011**

	2012	2011	2012 as against 2011	
	thousand toe	thousand toe	thousand toe (±)	%
- coal (excluding coke)	6345	6661	-316	95.3
• lignite and brown coal	5692	5932	-240	96.0
- crude oil <sup>1)</sup>	3891	4129	-238	94.2
- usable natural gas <sup>2)</sup>	8770	8724	+46	100.5
- hydroelectric, wind and solar photovoltaic energy	1290	1406	-116	91.7

<sup>1)</sup>including gasoline and ethane from extraction scaffolds; <sup>2)</sup>excluding gasoline and ethane from extraction scaffolds

**The imports** of energy products recorded a slight increase (+0.4%) as compared to previous year; the decreased imports of crude oil and natural gas were counterbalanced by the increased imports of petroleum products and coal (including coke) by 13.8%, respectively by 12.2%.

#### **Imports of main energy carriers in 2012, as compared to 2011**

	2012	2011	2012 as against 2011	
	thousand toe	thousand toe	thousand toe (±)	%
- coal + coke	1235	1101	+134	112.2
• coking coal	81	100	-19	81.0
- crude oil	5126	5450	-324	94.1
- usable natural gas	2321	2489	-168	93.3
- petroleum products	2640	2319	+321	113.8

In 2012, **the final energy consumption** remained at the same level with the one of 2011, the increases from agriculture and forestry (+15.2%), population (+2.7%) and transports (+0.7%) being counterbalanced by the decreases from industry and from the tertiary sector.

**Energy uses by main activities of national economy  
and by main branches of industry, in 2012, as compared to 2011**

	2012 thousand toe	2011 thousand toe	2012 structure %	2012 as against 2011 %
<b>Used energy - total:</b>	<b>38649</b>	<b>39811</b>	<b>100.0</b>	<b>97.1</b>
- gross domestic consumption (including losses) <sup>1)</sup>	34851	35648	90.2	97.8
- export (including bunkering)	3798	4163	9.8	91.2
<b>Final energy consumption</b>	<b>22767</b>	<b>22750</b>	<b>100.0</b>	<b>100.1</b>
of which:				
- Agriculture and forestry	499	433	2.2	115.2
- Industry (including construction)	6796	7093	29.9	95.8
of which, in:				
• <i>metallurgy</i>	1674	1885	7.4	88.8
• <i>chemicals and chemical and pharmaceutical products, rubber and plastics products</i>	1953	2246	8.6	87.0
• <i>industry of metallic construction, machinery and equipment</i>	529	530	2.3	99.8
• <i>construction</i>	450	475	2.0	94.7
- Transports	5351	5313	23.5	100.7
- Other activities	2025	2028	8.9	99.9
- Population	8095	7883	35.5	102.7

<sup>1)</sup> statistical differences are not included;

**The energy exports (including bunkering)**, amounting to 3798 thousand toe, decreased by 8.8% as compared to 2011.

In 2012, **the gross domestic energy consumption per inhabitant** amounted to 1736 kg oil equivalent.

#### METHODOLOGICAL NOTES

**1. The data sources** are represented by annual statistical surveys on energy resources and their uses (E01), the production of electricity and heat (E02), according to Regulation (EC) No 1099/2008 of the European Parliament and of the Council, with all subsequent modifications, on energy statistics. Beside these, annual specialised statistical surveys, with pre-established destination, are used: Production of electricity and heat in nuclear-electric power stations (E03) and the Balance of crude oil processing (P).

**2. The nomenclature representing the reporting basis consists of about 13000 units.** Data collection is exhaustive for the units belonging to the industry of electricity and heat production, the industrial consumers with over 250 employees and the consumers belonging to transports, construction and services with over 50 employees, while for the remaining units a representative sample for NACE Rev.2 activities is established.

**3. Data on international trade in goods** are obtained as follows:

- for the extra-community trade from General Directorate of Customs (GDC) within the National Agency for Fiscal Administration which carries out exports and imports custom declarations collection and processing (Extrastat Statistical System);
  - for those related to intra-community trade, based on Intrastat statistical declarations collected by NIS from economic operators which performed intra-community exchanges of goods (in compliance with Law No. 422/2006) and based on custom declarations related to intra-community commercial exchanges supplied by GDC (Intrastat Statistical System);
  - for electricity and natural gas, quantitative data are provided by network operators (CN Transelectrica SA and SNTGN Transgaz SA). In the import and export are not included physical quantity of electricity passing through the national territory. Data regarding electricity also include transactions of export/import made in Romania by economic operators registered for tax in another EU Member State in accordance with CN Transelectrica SA records.
- Population energy consumption was completed with data obtained from the Family Budgets Survey related to 2012, being thus included the quantities of fuels obtained from households own activity.

*Additional information can be found in the statistical publication "Energy balance and structure of energy installations in 2012", date of issue November 19, 2013.*

**The next press release** is to be issued in November 2014.