

# The system of energy data compilation in Russia

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The Federal State Statistics Service (Rosstat) is carrying out the following federal statistical observations, which can be grouped in some blocks; each includes several types of observations. They are:

## 1. Data on production of fuel and energy:

### 1.1.all types of fuel and energy:

for producers, not belonging to small business - the annual form of statistical observation No. 1-natura, the monthly form No. P-1 (production in value and physical units, shipment, stocks of finished goods);

for small enterprises, which are legal entities - the monthly form No. PM-prom, covering data on production in physical units;

for individual entrepreneurs - the quarterly form No. 1-IP (prom), covering data on production in physical units.

1.2. Oil refining and production of the main types of motor fuel - the weekly form No. 1-autopetrol (production), all manufacturers of these products fill in the form irrespective of their status.

## 2. Data on production and distribution of electricity (electro balance):

2.1. for power stations, electricity distribution grids and other suppliers - the annual form No. 23-N;

2.2 for industrial enterprises - the annual form No. 24-power;

2.3 for electricity distribution grids and other suppliers - the annual form No. 6-?P (? ES).

## 3. Data on technical and economic performances of power stations:

3.1. for thermal power stations - the annual form No. 6-?P (production, capacities, consumption of fuel on production of electricity and heat by types of fuel);

3.2. for hydro power stations - the annual form No. 6-?P (hydro) (production, capacities);

3.3. for the power stations belonging to the nonindustrial organizations - annual form No. PE (production, capacities).

4. Data on the consumption of fuel and energy:

4.1. for the organizations of all kinds of economic activities consuming the fuel and energy - the annual form No. 4-?ER (intake, consumption and stocks (at the enterprises consuming the fuel) by types of fuel, heat consumption;

4.2. for the organizations consuming fuel and energy - the annual form No. 11-?ER (consumption of electricity, heat and fuel in tonnes of coal equivalent on manufacture of the specific products);

4.3. on production and use of recoverable energy resources - the appendix to the annual form No. 11-?ER.

5. Data on operation and construction of oil and gas wells:

5.1. volumes of drilling, construction of wells - the annual form No. 1-?EK (drill),

5.2. on operation of oil wells - the annual form No. 1-?E? (oil),

5.3. on operation of gas wells - the annual form No. 2-?E? (gas).

The information, stated in items 2-5, is presented only by the large and medium size enterprises.

Forms (blankets) of federal state statistical observations (in Russian) are downloadable from the Rosstat WEB-site: [http:// www.gks.ru/](http://www.gks.ru/)

Some federal statistical observations are carried out by other state bodies, or with organizations hired by state bodies on a contractual agreement (outsourcing). These federal statistical observations are included in the Federal Plan of Statistical Works; Rosstat approves forms of these observations.

So, Joint-Stock Company "Rosinformugol", belonging to the system of Ministry of Energy of the Russian Federation (Minenergo), carries out

statistical observations of coal-mining and preparation plants - annual forms No. 1-? E? (coal), 2-? E? (coal), 5-? E? (coal).

In these forms, besides the indicators of total amount of a coal mining and preparation, there are the indicators reflecting the technological aspects of extraction and preparation of coal, quality of extracted coal. For example, volumes of development works on mines and stripping operations on coal strip mines, productivity of tunneling machines, length of stoping faces, ash content of extracted coals, beneficiation output, losses at extraction, etc.

This information is used for fieldwork of Minenergo and is represented in aggregated form to Rosstat.

The Federal Customs Service of Russia collects and processes information on export-import operations in the Russian Federation.

All the above-mentioned activities are the part of the state federal observations. The data collected and processed in accordance with the Federal Plan of Statistical Works have the status of the official state information.

There are also the statistical observations, which are not included in the Federal Plan of Statistical Works. However they are used in on-line and analytical works of private companies or state bodies.

The companies of fuel and energy complex (oil, coal, gas companies, etc.) collect and process the corporate reports from their affiliated enterprises. The given reports have plenty of parameters of technical character and higher periodicity (for example, daily reports). This information is used for needs of these companies, in case of need it is presented to Minenergo.

*1. Oil-extracting enterprises* submit the following data:

on extraction and distribution of crude oil - daily, monthly and quarterly;

on indicators of drilling - monthly;

on activities with new deposits - monthly;

on operation activities and condition of well stocks - monthly,  
quarterly;  
on increase of oil recovery – quarterly.

## *2. Oil refining enterprises:*

refinery intake of raw materials and components for manufacturing of  
products, volumes of primary crude oil distillation, manufacture of oil  
products - daily, monthly;  
outflow of oil raw materials and oil products – weekly.

## *3. Gas enterprises:*

on gas extraction and distribution - daily, monthly;  
on delivery of gas - monthly,  
on drilling - monthly;  
on use of gas for own technological needs, on gas technological losses  
at extraction – monthly.

## *4. Coal-mining enterprises:*

on coal extraction and delivery - daily, monthly, quarterly;  
on activities of clearing faces, on carrying out of development  
galleries, stripping operations - monthly, quarterly;  
on activities of clearing faces - monthly, quarterly;  
on the stocks of coal and coal-cleaning products - monthly;  
on shipment of coal - monthly, quarterly;  
on processing coal at preparation plants - monthly.

## *5. Enterprises of electric power industry:*

on activities of the Unified Energy System of Russia - daily;  
on accidents and switching-off of the electricity - daily;

on intake, consumption and stock change of fuel at power stations - every 10 days, monthly;

on productive supply of electricity and heat - monthly;

on production of electricity, supply of heat, specific consumption of fuel in tonnes of coal equivalent for production of electricity and heat, the consumption of electricity to cover own needs - monthly;

on use of power stations capacity - monthly;

on intake, deliveries and transit of electricity to neighbour and far abroad countries - monthly;

on preparation and work of enterprises during heating period - August-April;

on activities of electricity networks - annually.

Minenergo, using its subordinate organizations, collects from enterprises monthly, quarterly and annually the data on production of fuel and energy, shipments, stock of products, some technical indicators (well drilling, condition of well stocks, developments etc). Minenergo approves programs of the given works in order to gather the information on the parameters, which are not collected and processed in accordance with the Federal Plan of Statistical Works. For example, so called “branch reporting” system collects and processes data on manufacture of much more types of oil products, than it is done according to the Federal Plan of Statistical Works.

Data of these reports are used for operational work of Minenergo - the state body that is carrying out regulation in the fuel and energy sector of Russia.