The Challenges in the Energy Data Collection in the Russian Federation

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Energy industry in Russia

(1) Mining/production of primary energy resources
(2) Processing and transformation to other form of energy
(3) Transportation/trade
(4) Power generation
(5) Energy distribution to consumer

Observation on coal, oil and gas – since 1913
Autors of Energy Statistics Collection

**Operative data**
- Ministry of Energy of the Russian Federation
- Corporations of fuel and energy complex

**Official data**
- Federal State Statistics Service of the Russian Federation
- Federal Customs Service of the Russian Federation
Legal Basis of Energy Statistics


Federal Plan of Statistical Works (adopted by the Government of the Russian Federation)

- Works of Rosstat
- Works of other subjects of official statistics

- Official statistics
- Level of aggregation
- Periodicity
- Terms of publications
Sources of data on fuel and energy production

Producers (national gas, oil, coal companies, refineries, etc.) including small enterprises and individual unincorporated entrepreneurs

### Monthly data
- Data on production and shipment of goods, stocks of finished goods (P-1)
- Data on small business production (PM-PROM)
- Basic data on individual entrepreneur activity (1-IP)

### Annual data
- Data on production and shipment of products (1-NATURA-BM) with calculations on small business, individual entrepreneur, self-employment
- Data on consumption fuel and energy resources (4-FER)
- Data on production, transportation, distribution and consumption of electric energy
The challenges in the energy data collection
Main indicators of Energy sector

Electricity consumption, billion kWh

Installed capacity, GW

<table>
<thead>
<tr>
<th>Year</th>
<th>Electricity Consumption</th>
<th>Installed Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>1041.1</td>
<td>233.3</td>
</tr>
<tr>
<td>2012</td>
<td>1063.3</td>
<td>239.7</td>
</tr>
<tr>
<td>2013</td>
<td>1054.8</td>
<td>242.2</td>
</tr>
<tr>
<td>2014</td>
<td>1065.0</td>
<td>256.0</td>
</tr>
<tr>
<td>2015</td>
<td>1060.2</td>
<td>257.1</td>
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<tr>
<td>2016</td>
<td>1077.9</td>
<td>266.5</td>
</tr>
<tr>
<td>2017</td>
<td>1089.1</td>
<td>272.4</td>
</tr>
</tbody>
</table>
Dynamics primary energy resources production

Oil and gas condensate production, million tons

Gas production, bcm . M
Dynamics primary energy resources production

Coal production, million tons

Electricity generation, billion kWh
Refining industry production indicators, million tons

**Motor gasoline production**

- 2011: 36.7
- 2012: 38.2
- 2013: 38.8
- 2014: 38.3
- 2015: 39.2
- 2016: 40.0
- 2017: 38.0

**Diesel fuel production**

- 2011: 70.3
- 2012: 69.4
- 2013: 71.6
- 2014: 77.0
- 2015: 76.0
- 2016: 76.2
- 2017: 76.8

**Fuel Oil (Mazut) production**

- 2011: 73.2
- 2012: 74.4
- 2013: 77.0
- 2014: 78.5
- 2015: 71.1
- 2016: 57.1
- 2017: 51.5

**Oil refining ratio, %**

- 2000: 70.8
- 2011: 70.7
- 2012: 71.6
- 2013: 71.6
- 2014: 72.4
- 2015: 74.3
- 2016: 79.0
- 2017: 81.0
Publication and dissemination of energy statistics
Thank you for your attention!

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