Poland’s coal industry

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Potential of coal sector in Poland

COAL RESOURCES

Hard coal producers

Lignite producers

Machines & equipment producers

Scientific-research institutions

Service companies

COAL MINING INDUSTRY

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Balance reserves of hard coal in Poland as of 1 January 2015

51,960,43 mln ton

- Developed: 38,1% (19,805,65 mln ton)
- Non-developed: 7,7% (3,978,25 mln ton)
- Abandoned exploitation: 54,2% (28,176,54 mln ton)

Source: „Balance of minerals resources ……2015” PIG, Warszawa

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Hard coal production in Poland in 2006 - 2015

Source: „Information on functioning of hard coal mining ... 2006 – 2015”, Ministry of Economy

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Hard coal structure in 2016 and production in 2015

Total production: **72,2 mln ton**

in which:
- steam coal: **59,2 mln ton**
- coking coal: **13,0 mln ton**

Source: „Information on functioning of hard coal mining ... 2015”, Ministry of Economy
Agency of Industry Development, Dep. Katowice

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Import and export of hard coal in Poland in 2005 - 2015


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Balance reserves of brown coal in Poland as of 1 January 2015

23 510,59 mln ton

- Developed: 16,3 mln ton (0,07%)
- Non-developed: 1 482,69 mln ton (6,31%)
- Abandoned exploitation: 93,62% (22 011,61 mln ton)

Source: „Balance of minerals reserves .....2015” State Geological Institute, Warszawa
Brown coal production in Poland in 2006 - 2015

<table>
<thead>
<tr>
<th>Year</th>
<th>Production (mln ton)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>52.6</td>
</tr>
<tr>
<td>2007</td>
<td>57.9</td>
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<tr>
<td>2008</td>
<td>59.3</td>
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<tr>
<td>2009</td>
<td>56.4</td>
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<tr>
<td>2010</td>
<td>56.3</td>
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<td>2011</td>
<td>62.8</td>
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<tr>
<td>2012</td>
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<td>2013</td>
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<tr>
<td>2014</td>
<td>64.0</td>
</tr>
<tr>
<td>2015</td>
<td>63.0</td>
</tr>
</tbody>
</table>

Source: „Balance of mineral resources ……2014” PIG, Warszawa
Confederation of Lignite Producers

Janusz Olszowski – EURACOAL; Polish Mining Chamber of Industry and Commerce
Brown coal production and active mines in 2015

Total production: **63,0 mln ton**

Employment: **9 574 persons**

Source: Materials of Confederation of Lignite Producers
Consumption of hard and brown coals in Poland in 2006 - 2014

Source: „Consumption of fuels and energy carriers in 2006 ... 2014”, Main Statistical Office
„Facts: Coal – Power Generation in Poland” Zbigniew Grudziński The Mineral and Energy Economy Research Institute of the Polish Academy of Sciences – Kraków

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Employment in Polish coal sector in 2015

Employment in Polish hard coal mining: 92,1 Thos. persons

Employment in Polish lignite mining: 9,5 Thos. persons

In the surrounding of mining 300 – 400 Thousand persons are employed

Polish coal mining industry generates about 500 Thos. of workplaces.

Source: Author's own sources
Impact of hard coal mining on the public sector in Poland

Source: Author's own sources
Conclusions and recommendations

- Poland still has strong coal mining sector, which includes: coal producers, producers of mining machines and equipment, service companies and research-scientific institutions; sector creates about 500 thousand jobs and gives billions zlotys to public finances;

- Polish hard coal industry needs constant restructuring to reduce internal costs of production to be competitive;

- We need badly to invest in the Polish fuel and energy sector, mostly in projects related to highly efficient coal power plants, carbon capture and technologies of coal processing into gases and liquids fuels;

- Political activity of European Union’s bodies directed for reduction of the role of indigenous energy sources cannot be accepted because they directly interfere with internal problems of members states connected with the possibility of individual selection of energy mix;

- EU Council decision 787 of 10 December 2010 on State Aid for coal industry should be changed and give funding possibilities for repair processes, investments connected with access to resources and to prolog closure of mines financed from public funds, because this decision does not consider the present situation of coal sectors of Member States.
WE PRODUCE COAL, GIVE JOBS AND PAY TAXES

Thank you for attention!