Azerbaijan’s building of renewable energy industry


Jamil Malikov,
Deputy Head
Legislation

- On the use of energy resources (1996);
- About Electric Energy (1998);
- About Energy (1998);
- About Electric and heat power plants (1999);
- The State Program on Use of Alternative and Renewable Energy Sources in Azerbaijan Republic (2004);
- The decrees and orders of the President of Azerbaijan Republic;
- The decrees of the Cabinet of Ministers of Azerbaijan Republic.
EU – Azerbaijan Cooperation

Signing of Memorandum between AR & EU on 7 November, 2006

- Modernization of the electric grid, enhance the security and reliability of the energy infrastructure.

- Preparation of programmes and regulations for the development of renewable energy sector.

- Preparation and implementation of actions plan for energy efficiency.
2009 – State Agency on Alternative and Renewable Energy Sources under the Ministry of Industry and Energy

2012 – State Company on Alternative and Renewable Energy Sources

2013 – State Agency on Alternative and Renewable Energy Sources «Azalternativenerji» LLC
The State Strategy on the use of alternative and renewable energy sources by 2020 (processing in the Cabinet of Ministers)

- Reduction of the emissions of greenhouse gases to 20 %;
- Increasing the share of renewable energy up to 20 %
- Increasing of EE up to 20 %
Strategy (continue)

- Clarification of the main objectives of the heat and power energy production in RE sector;
- Creation of the base of legal framework in RE and EE;
- Preparation of incentive measures on the use of RE;
- Application of RE and EE in the spheres of economy.
State policy on RE

- State support to the sector;
- Improvement of legislation;
- Development of private sector;
- Financial support and subsidy policy;
- Adoption of modern technologies;
- Research & development, information exchange;
- Education, Training and Promotion of the green energy.
Gobustan Experimental Hybrid Polygon

Solar Power Plant – 1,8 MW
Wind Power Plant – 2,7 MW
Biogas Plant – 1 MW
Heat pumps

Total capacity – 5,5 MW
Surakhani Solar Power Plant

Power - 2,8 MW
Area - 6 Ha

Pirallahi Solar Power Plant

Power - 2,8 MW
Area - 6 Ha
“Samukh Agro-Energy Complex”

- Residential – 500 apartments
- Solar Park – 5 MW
- Wind Park – 5 MW
- Geothermal – 2 MW (Heating)
- Greenhouse – 30 ha
- Poultry Farming – 100 tonnes poultry
- Cattle breeding farm – 1500 heads of cattles
- Gardening – 1000 ha
- Juice Factory
- Food Processing Factory
- Fruit drying station
- Fish farm – 1 mln fish/year
Companies that operating in the field of renewable energy in Azerbaijan:

<table>
<thead>
<tr>
<th>Company</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>AZGÜNTEX</td>
<td>Plant has the potential to produce solar panels with the capacity of 30 MW</td>
</tr>
<tr>
<td>STP Sumgait Technologies Park</td>
<td>The solar collectors are produced.</td>
</tr>
<tr>
<td>ALTEN GROUP</td>
<td>Organized in 3 business segments:</td>
</tr>
<tr>
<td></td>
<td>➢ Renewable</td>
</tr>
<tr>
<td></td>
<td>➢ Power Engineering</td>
</tr>
<tr>
<td></td>
<td>➢ LED lighting</td>
</tr>
<tr>
<td>Solaris LTD</td>
<td>Installed capacity of all projects – 9MW</td>
</tr>
</tbody>
</table>
## Wind Power Projects

- **WPP within Gobustan Polygon**
  - 2.7 MW

- **Pirakushkul (South) WPP (2012-2015)**
  - 80 MW

- **Khizi (Stalchay) WPP (2012-2015)**
  - 5.3 MW

- **Khizi (Shuraabad) WPP (2011-2013)**
  - 48 MW

- **Yeni Yashma WPP (2012-2015)**
  - 50.0 MW

- **Mushviq WPP (2012-2013)**
  - 8 MW
<table>
<thead>
<tr>
<th>Solar Power Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td>➢ 1000 houses – 1000 power plants (2012-2015)</td>
</tr>
<tr>
<td>➢ SPP within Gobustan Polygon 1,8 MW</td>
</tr>
<tr>
<td>➢ Samukh Agro-Energy Complex 15 MW</td>
</tr>
<tr>
<td>➢ Projects in schools, sport complexes, clinics 1 MW</td>
</tr>
<tr>
<td>➢ Development of the lighting system of buildings, roads, parks with solar photovoltaic modules (2013-2015) 1 MW</td>
</tr>
</tbody>
</table>
Thank you for your attention!

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