Implementation of alternative and renewable energy sources in economic sectors
State Agency on Alternative and Renewable Energy Sources - AREA

Central executive body carrying out followings in the field of RES and EE:

- State policy and regulation
- Efficient organization of activity and coordination
- State control
Goals and targets of strategic development

State Strategy on Use of Alternative and Renewable Energy Sources (2012-2020) was prepared by the Decree of the President of Azerbaijan Republic dated 29 December 2011.

- Determination of main directions for 2012-2020 on electric and thermal power production by using alternative and renewable energy sources;
- Enforcement of legislative framework;
- Stimulating measures;
- Implementation of alternative and renewable energy sources in economic sectors.
Action Plans

- State Program on Socio-economic Development of Regions (2014-2018)
Share of RES in total energy production

Share of RES types in RE production, 2014, %

- Hydro: 85.8%
- Wind: 0.2%
- Solar: 0.5%
- Bio: 11.5%
- Heating pumps: 0.5%
Levelized cost of energy as a key indicator of deployment of low-carbon technologies
AREA – Projects classification

- Large-size power plants for industrial purposes
- Implementation of RE in buildings
- Creation of agro-energy complexes
### Large-size power plants for industrial purposes

<table>
<thead>
<tr>
<th>Power Plant</th>
<th>Capacity , MW</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gobustan Hybrid Power Plant</td>
<td>5.5</td>
<td>Implemented</td>
</tr>
<tr>
<td>Surakhany SPP</td>
<td>2.8</td>
<td>Implemented</td>
</tr>
<tr>
<td>Pirallahy SPP</td>
<td>2.8</td>
<td>Implemented</td>
</tr>
<tr>
<td>“Wind Island – 1” Offshore Wind Farm</td>
<td>198</td>
<td>Pre-Feasibility study preparation</td>
</tr>
<tr>
<td>Absheron Wind Farm (with PV component)</td>
<td>80</td>
<td>Feasibility study preparation</td>
</tr>
<tr>
<td>Power Plants on Biomass</td>
<td>16</td>
<td>Feasibility study preparation</td>
</tr>
<tr>
<td>Yeni Yashma Wind Fram</td>
<td>50</td>
<td>Commissioning</td>
</tr>
</tbody>
</table>
Large-size power plants for industrial purposes (continued)

Gobustan HPP

Pirallahy SPP

Surakhany SPP

“Wind Island – 1” Offshore Wind Farm (design)

Yeni Yashma Wind Farm
Implementation of RE in buildings

1 building – 1 power plant

- Projects in more than 10 schools, 2 medical centers, 2 sport complexes

- Project at secondary school in Turkan (Baku city) was implemented by the grant of the Centre for Renewable Energy Sources of Greece
Creation of agro-energy complexes

**Samukh Agro-Energy Residential Complex**

Implementation of alternative and renewable energy sources in economic sectors

- Total capacity: 31 MW electric, 48 MW thermal

Installation of solar component (2.8 MW) has already began

Project period: 2014-2018
Thank you for your attention!

AZ1000, Azerbaijan, Baku, 80 U.Hajibayli str., Government House
Tel.: (+99412) 493 15 26
Fax: (+99412) 493 16 97
E-mail: info@area.gov.az
Web: www.area.gov.az