

# Azerbaijan's building of renewable energy industry

Expert Workshop: Policy Best Practices for Accelerating the Deployment of Low-Carbon Energy and Climate Technologies

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# Legislation

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- 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.

# AREA

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- 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



# Strategy

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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)

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- 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

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- 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

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**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:



Plant has the potential to produce solar panels with the capacity of 30 MW



The solar collectors are produced.



Organized in 3 business segments:

- Renewable
- Power Engineering
- LED lighting



Installed capacity of all projects – 9MW



# Wind Power Projects

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- WPP within Gobustan Polygon  
MW 2,7
- Pirakushkul (South) WPP (2012-2015) 80 MW
- Khizi (Stalchay) WPP (2012-2015)  
MW 5.3
- Khizi (Shuraabad) WPP (2011-2013) 48 MW
- Yeni Yashma WPP (2012-2015)  
MW 50,0
- Mushviq WPP (2012-2013) 8 MW

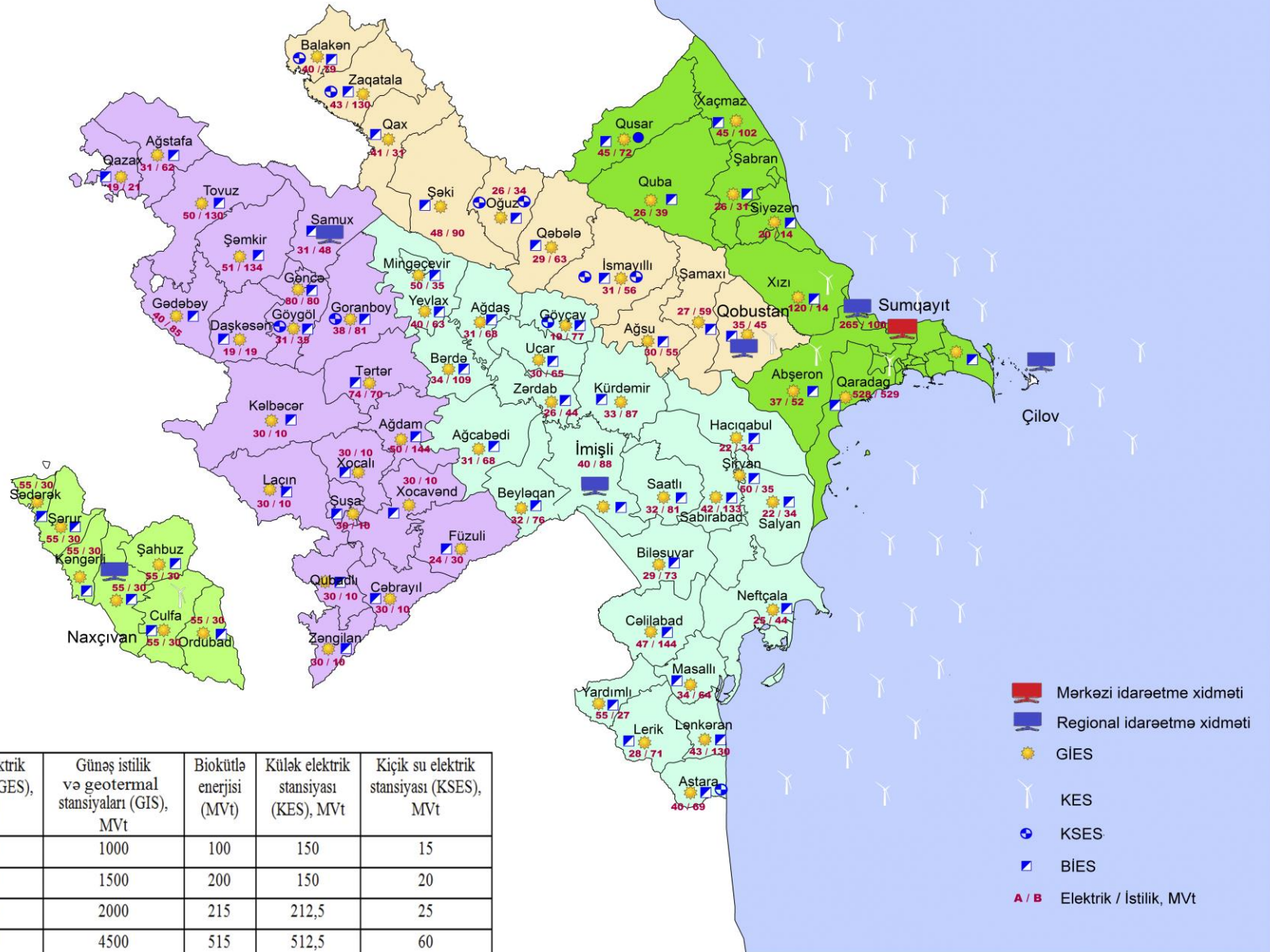


# Solar Power Projects

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- 1000 houses – 1000 power plants (2012-2015)
- SPP within Gobustan Polygon 1,8 MW
- Samukh Agro-Energy Complex 15 MW
- Projects in schools, sport complexes, clinics 1 MW
- Development of the lighting system of buildings, roads, parks with solar photovoltaic modules (2013-2015) 1 MW

# Azərbaycan Respublikasının ABOEM üzrə inkişaf xəritəsi 2020



İllər	Günəş elektrik stansiyası (GES), MVt	Günəş istilik və geotermal stansiyaları (GIS), MVt	Biokütlə enerjisi (MVt)	Külək elektrik stansiyası (KES), MVt	Kiçik su elektrik stansiyası (KSES), MVt
2013-2016	790	1000	100	150	15
2017-2018	685	1500	200	150	20
2019-2020	730	2000	215	212,5	25
Cəmi	2065	4500	515	512,5	60

# Thank you for your attention!

State Agency on Alternative and Renewable Energy  
Sources of the Republic of Azerbaijan

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