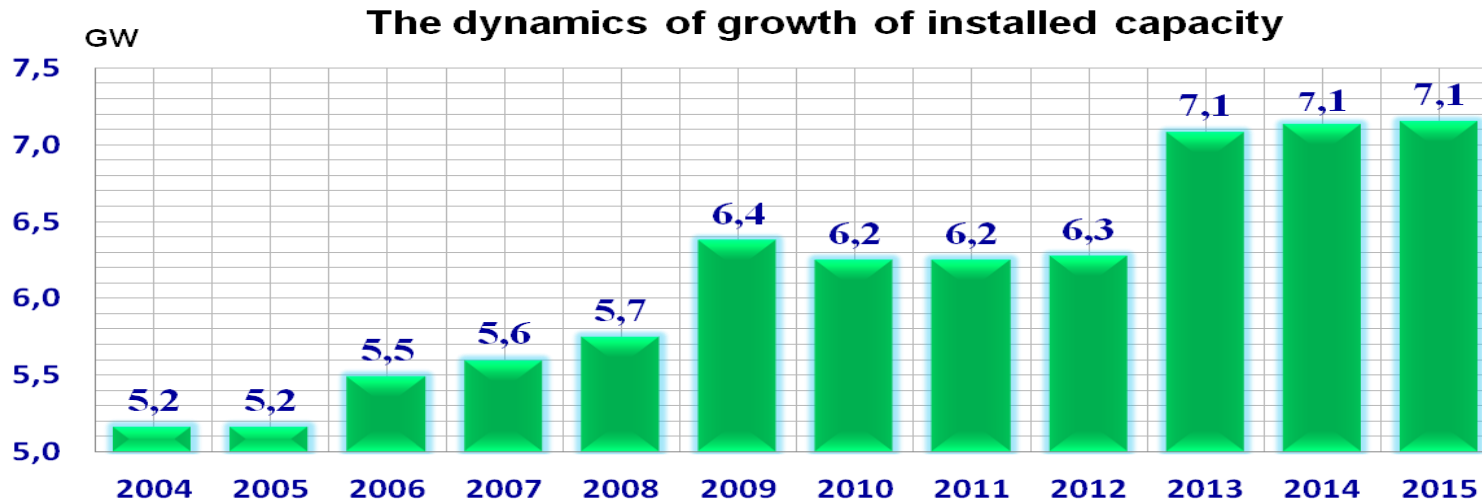


Energy efficiency in  
heating & cooling and  
in buildings

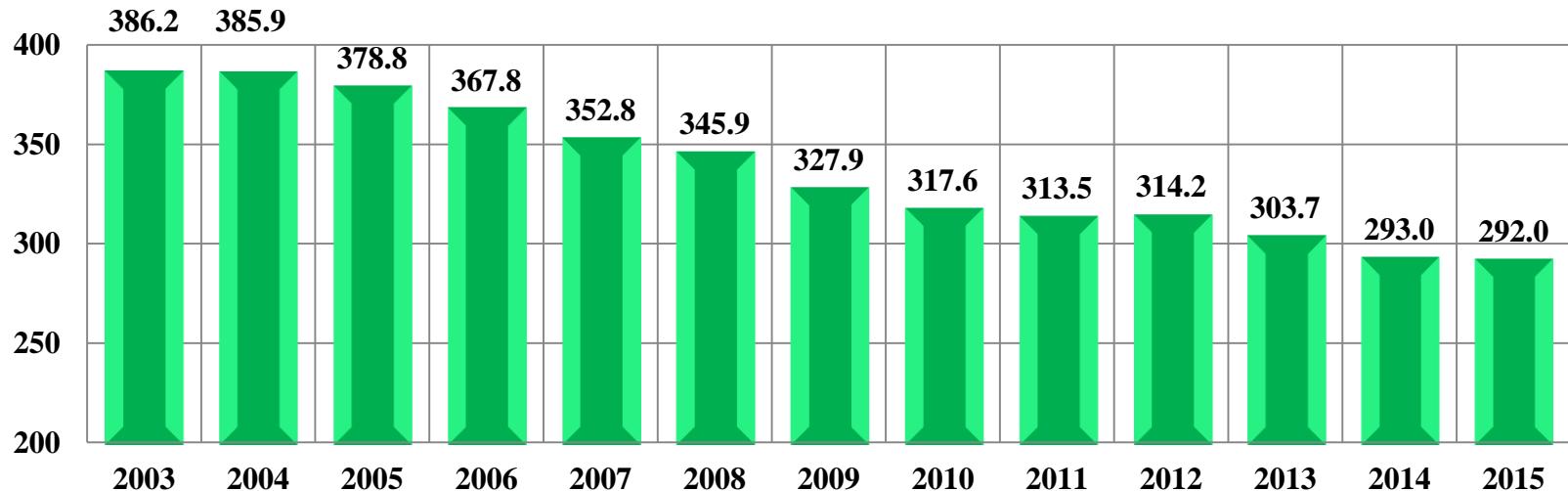
# The current situation in the power industry of Azerbaijan




Azerbaijan is a country which is 100% provides its own energy and the biggest exporter of hydrocarbon resources in the region.

To the power system of Azerbaijan includes 14 thermal(6073,0 MW - 85%) and 16 hydropower plants (1076,0 MW - 15%). The installed capacity of the power system is more than 7 GW.

## The specific consumption of equivalent fuel for the production of electric energy



If in 2001 for production of 1 kWh of electricity consumed 413 grams conventional fuel, then in 2015 this figure was reduced to 292 grams. (Due to the use of more efficient technologies and modernization of power equipment at the stations)



Energy efficiency is considered a priority area for many countries all over the world. Although the abundance of energy resources kept the energy efficiency in the background for a long time in our country, but today the implementation of energy conservation and energy efficiency measures is necessary for Azerbaijan.

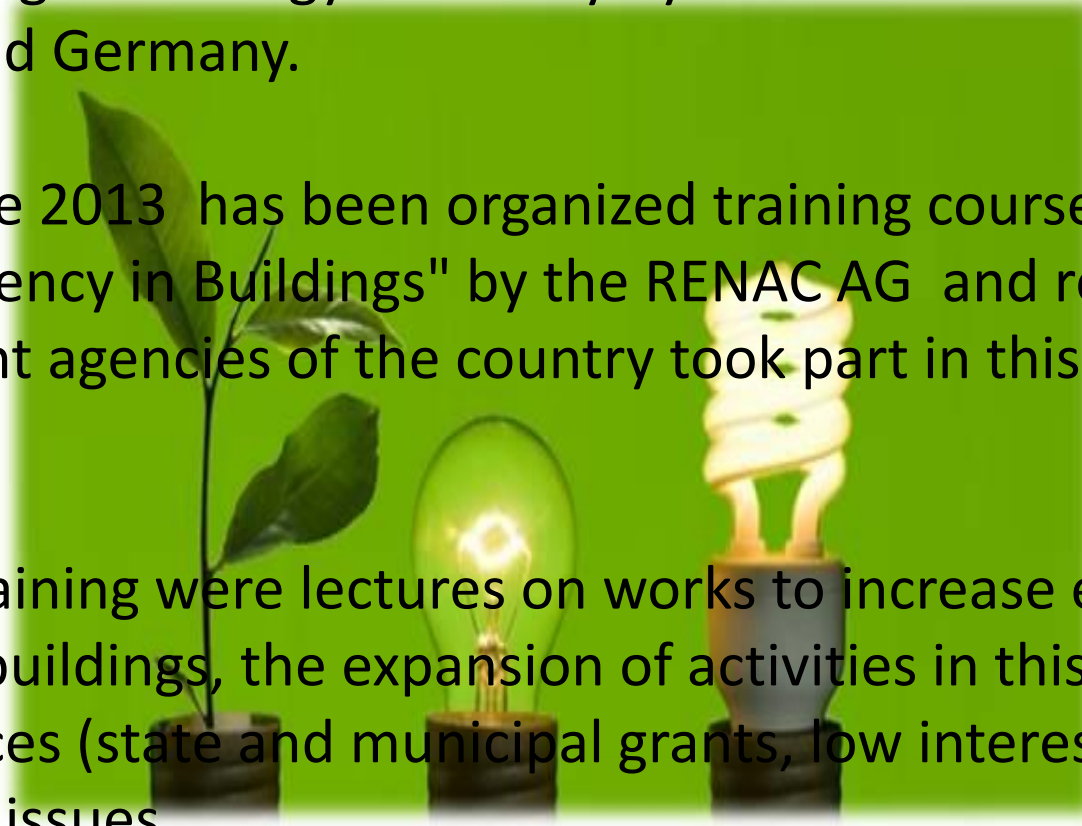
First of all, reduction admissible losses during the production, delivery and sale of energy resources, increasing the efficiency of power plants and "Energy efficiency in buildings" (taking into account, 45% energy is consumed in the housing and building sector in Azerbaijan) is in the spotlight and in this direction should be taken seriously measures.

So, Azerbaijan is cooperating several international organizations in the field of energy efficiency.

With initiative of the Ministry of Industry and Energy of the Republic of Azerbaijan (thereafter the Ministry of Energy) and by order of the German Federal Ministry of Economics and Technology conducted several trainings on energy efficiency by the RENAC AG Company in Azerbaijan and Germany.

On 18-21 June 2013 has been organized training course on the subject "Energy Efficiency in Buildings" by the RENAC AG and representatives of the relevant agencies of the country took part in this training course.

During the training were lectures on works to increase energy efficiency in buildings, the expansion of activities in this area, exploring funding sources (state and municipal grants, low interest loans, tax rebates, etc.) issues.



**Also, " Energy Conservation Initiative in Construction Sector of Eastern Europe and Central Asia" (ESIB) project in the framework of the INOGATE program is an example.**

**The main objectives of the ESIB project were:**

**Objective 1: Support the development of social consciousness and provision of information in order to increase energy efficiency in buildings**

**Objective 2: Assistance in the field of legislation. A review of the existing legislative framework and the support preparation of draft new legislation or amendments to them in the necessary place.**

**Objective 3: To assist in the creation of a favorable investment climate for energy efficiency and alternative energy projects in the housing sector. Training in the banking sector and to assist in the preparation of projects.**

**Objective 4: Energy Audits, Capacity building on construction technology.**

**In order to create conditions for conducting systematic and purposeful work on Azerbaijan for achieve the targets of the project signed 2 Action Plan :**

- Between the Ministry of Energy and ESIB project:**
- Between the Ministry of Energy, the ESIB project and the University of Architecture and Construction.**



**In the framework of this project were done the work and has been achieved the results as follows:**

- **In order to study energy audits rules and the programs in the framework of the project was held the "Buildings Energy Audits" training seminar with the participation of relevant bodies on November 28-30, 2012 in Baku. During the training was taught rules for conducting energy audits and was given relevant certificates to the students of the University of Architecture and Construction;**
- **As a pilot project in the kindergarten No. 144 located in the Caspian district, Buzovna settlement was conducted energy audit, was prepared energy efficiency report and the project proposal has been submitted to the Ministry of Energy for achieving energy savings;**
- **As a pilot project, in a one 9-storey residential building located in Binagadi district Nakhchivan Street was conducted energy audit and the final report was submitted to the Ministry of Energy;**
- **In May 2013, was held writing contest among journalists for the best article on the subject "Energy-efficient buildings is the basis for the formation of a sustainable energy development ".**



Thank you for attention

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