

EVENT DESCRIPTION

REGIONAL INFORMATION MEETING - RES-e Regions

Title: Renewable Energies in Navarre

Date & location: **22/03/07** Auditorium and Congress Centre of Navarra (Pamplona).

Organiser: Government of Navarre

Number of Participants: 74 participants



Short description:

In the Meeting that took place in Baluarte the 22th of March 2007 it was shown the situation of the renewable energies in Navarre, in relation with Spain and Europe.

After the checking of the implemented measures of the technological plan 1995-2000 it was emphasize the level of development of the renewable energies, specially the Wind and Solar Photovoltaic, at least in applications, although in terms of power does not have the same importance.

Background:

The situation and energetic development of Navarre is characterized for the the important development of the renewable energies since 1995. The production of electric energy from renewables has been always represented in Navarre, initially with the hydroelectric power and since 1995 with the wind power, being 1998 the year in which the first solar photovoltaic and thermal technologies were set up.

In the solar photovoltaic energy , since the implementation in Tudela of the first solar instalation of 1,2 Mw, other similar instalations have been implemented in other municipalities of the region by the development of the called "Huertas Solares" that consist in implantations, in big surfaces (some Has), of solar photovoltaic instalations in multiproperty, which take advantages of the existing distribution electric infrastructures or it build new ones.

To the achievement of this developments in the region has contribute the following factors:

- The existence of an attractive bonus, established by the national legislation for instalations of small power.
- The dynamic behaviour of companies that have decided to promote this kind of technologies.

- The institutional support, in the municipalities as a facilitator of the administrative proceedings for the installation and also the Government of Navarra with support funds fomenting the installations.
- Wide social consensus.

Aim & programme:

It is foreseen an important development in the renewable energies. In the next board it is shown the potential of each technology and the barriers that have influence in this development.

	Available Natural Resources	Potential	Barriers	Sectors Objectives
Hydropower, and Minihydropower	○	↓↓	↑↑	275,12 Mw
Wind Energy	○	↑↑	↑↑	1.400 Mw
Small Wind Energy	○	↑	↓	
Biomass	○	↑	↑	40 Mw
Biogas	○	↑	↓	7 Mw
Biofuels	○	↑	↓↓	61,25 Mw
Solar Thermal	○	↑↑	↓↓	77.405 m ²
Solar Photovoltaic	○	↑	↑	30 Mw
Solar passive	○	↑↑	↑	
Thermosolar	○ *	↑	↑	10 Mw
Geothermal	○ **	↓↓	↑↑	
Hydrogen	○ ***	↑	↑	

The event begun with the opening by the regional minister of Industry and Technology, Commerce and Labour. Then a presentation was done by a consultancy company subcontracted by the Government of Navarra to carry out the Navarran Energy Plan.

* Less than other regions with more medium annual insolation

** Considering for HVAC with the inertia of the land, not as hot creator

*** Generated from the natural resource water with electric energy from renewable surplus

Later several companies of the sector expounded their experiences explaining the keys for the development at medium and short period.

Results, follow-up:

The production of own electricity utilizing the renewable energies, in the year 2000, was 129.694 Tep and in 2003 188.620 Tep, that represents respectively 41,7% and 52,7% of the electric energy consumption of the region (The objective of the EU for Spain is to achieve the 29,4% of the electric consumption by renewables).

The renewable energies in 2003 contributes with 14,4 % of the total needs of primary energy (the objective of the EU is to achieve the 12,1%).

The forecast for 2010 indicates that the contribution of the renewables in the total amount of primary energy consumption will be also the 14,7%.