objectives

2007-2013 ANDALUSIAN SUSTAINABLE ENERGY PLAN

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Towards a new energy model

Aim of the Plan

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To adapt economic growth to social cohesion throughout Andalusia and to the protection of Andalusia's natural and cultural heritage, without generating imbalance in the global ecosystem, especially that associated with the great challenge posed by climate change.

For a new energy culture

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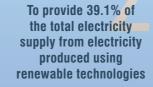
To introduce a new energy culture into society, so that a collective conscience can emerge that evaluates the capacity to access different energy sources with high levels of security and guality, and assesses the effects that this has on the environment, taking decisions consistent with the situation.

> To prioritise the use of renewable sources to increase Andalusia's self-sufficiency in terms of energy, to protect the environment, and to establish a distributed energy system.

> > To involve the community in the rudiments of an energy culture. In order to raise awareness that energy is a basic and scarce resource. In order to promote energy saving and efficiency in all sectors.

> > > To contribute to balanced town planning and to economic growth through an energy infrastructures system that guarantees a secure, efficient and high-quality supply.

> > > > To promote a competitive entrepreneurial network through innovation in the field of energy technologies.



To set the aross electricity production produced from renewable sources at 32.2% of the net target consumption of electricity in Andalusia



To set a

quality-of-service

index (TIEPI)

at 0.86 hours

in urban areas.

1.37 hours in semi-urban

areas, 2.89 hours

in concentrated rural

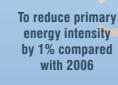
areas. and 3.81 hours

in dispersed rural areas,

obtaining a **TIEPI**

of 1.56 hours for

Andalusia







To prevent the emission of 11 million tons of CO₂

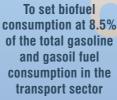




To ensure that 18.3% of the primary energy structure comes from renewable energy sources, purely for energy-providing purposes







To provide access to a natural gas supply for 80% of residents in towns of between 10,000 and 20,000 inhabitants



To provide a total of 27.7% of the final energy consumed in Andalusia from renewable energy sources



To reduce by 20% CO₂ emissions per unit of electricity generated





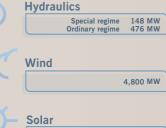
Industry	358.9
Transport	583.4
Tertiary building	42.8
Residential building	55.8
Domestic	59.8
Public services	176.6
Primary (agricultural/fishing) -	39.0
Co-generation	83.5
Transformer sector	65.3

Total 1,465.1 ktoe

Savings accumulated by sector

2HOR ZON3

Renewable energies



400 MW Photovoltaic Thermal 1,341,554 m² Thermoelectric 800 MW

omass Thermal use 649 ktoe Electricity generation 256 MW Co-combustion 122 MW

Thermal use of biogas 3.0 ktoe Biogas for 20.1 MW electricity generation Biofuel consumption 460 ktoe Biofuel production 2.300 ktoe

programmes



PASENER 2007-2013 comprises four programmes that involve all the actors in the Andalusian energy system (economic and social researchers, public administrations, and citizens). Each of them will be developed along different lines of action, using different measures.

Energy and the citizen

Towards efficient energy management, integrating renewable energies into consumer habits, and educating and informing consumers.



Energy competitiveness

To incorporate a new energy culture into the production system, promoting innovation and research in the energy field, savings and efficiency.

Energy infrastructures

To guarantee a high-quality energy supply and to promote an efficient and clean infrastructure system distributed throughout Andalusia which will promote economic development while respecting and conserving the environment.



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Energy and the public administration

Stimulating the energy sector through administration, incorporating the Society of Knowledge through research and innovation in the energy field.







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Andalmen al maximo

CONSEJERÍA DE INNOVACIÓN, CIENCIA Y EMPRESA



ANDALUSIAN SUSTAINABLE ENERGY PLAN

2 0 0 7 - 2 0 1 3 Towards a new energy model

