

AN ENERGY SUSTAINABLE... **ASTI**

Asti is a city and municipality in the Piedmont region, in north-western Italy, about 55 kilometers east of Turin in the plain of the Tanaro River. It is the capital of the province of Asti and has a population of 73,000 inhabitants. The city's districts cover a surface area of roughly 33 square kilometres.

SEC TARGETS

The targets set by the Asti Energy Plan for 2015, based on 2003 reference year, are:

- Residential sector: 2% thermal consumption increase with respect to a BAU increase of 10%. 3,3% electric consumption reduction with respect to a BAU increase of 10,3%.
- Tertiary sector: 8,4% electric consumption reduction with respect to a BAU increase of 1,6 %.

SEC STRATEGY

- designing and building new facilities and renovating old ones;
- replacing the most outdated heating systems with new high-efficiency plants suitable for an optimal consumption control;
- Our mission: lower consumption, better consumption!;
- to gradually replace fuel oil-powered plants with high-efficiency boilers;
- to install energy-saving lighting devices in all the municipal buildings;
- to install low energy consumption plants and electronic devices in all the municipal buildings by gradually replacing the existing ones;
- to promote renewable resources;
- introduction of new issues regarding bio-architecture, new building eco-technologies, integrated energy management in the buildings in compliance with the regional and national laws, absorbing the Housing Regulations, and introducing and promoting new guidelines;
- Transport sector: Asti will gradually introduce, starting from the pedestrian area, non-polluting public transportation means, and promote Bike Sharing;
- Water consumption: raise awareness, optimisation of existing plants by introducing technologies which can detect and reduce network losses; improvement of the water systems in new buildings, rain water recovery.

SEC ACTIONS

- **Info point "Ecosportello"** to improve communication and information exchange among the Municipality itself, consumers and users through data and advice on environmental issues, energy saving and bio-architecture
- **newsletter** on the www.comune.asti.it web site regarding activities, new initiatives, regulations, competition announcements, and projects; comparative survey and analysis of energy and water consumption
- a district completely heated by a **biomass plant**, having the following features:
 - Served buildings: n. 4 social multifamily buildings, n. 4 private multifamily buildings; n. 1 municipal sport facility
 - Total power supplied by biomass 1 MW
 - Biomass availability is guaranteed in a maximum distance of 30 km, coming from wood residuals and/or short rotation forestry.
- new annex to the **Asti building regulations**, to promote energy-environmental conscious architecture.

Among the objectives are:

- to optimise the energy performances of the building;
- to improve heating system energy efficiency;
- to use renewable energies in buildings;
- to reduce the water consumption;
- to use bio-compatible and eco-compatible materials.

Contact

Organisation:
Comune di Asti - Servizio Ambiente
Main Contact: Claudio Rabbione
E-Mail: assessorato.ambiente@comune.asti.it
Web Site: www.comune.asti.it