

AN ENERGY SUSTAINABLE... **RAVENNA**

The municipality of Ravenna covers 654,88 Km², with a population of about 151,000 inhabitants. It is located in the North-East plain of Romagna, within the region of Emilia Romagna. Ravenna is also an important agricultural and industrial centre including its chemicals, energy and metallurgy complex and the Port of Ravenna.

SEC TARGETS



In the period from 1998 to 2004 the energy consumption follows a growing trend in all the main sectors. The higher growing is mainly due to the manufacturing sector increasing. Ravenna's total end energy consumption is at an average level of 480,000 toe (more than 37,000 kWh per capita and year) referred to year 2004. Energy supply depends almost 100 % on fossil fuels. Main consumers are industrial activities (48.5 %), followed by residential uses (23 %) and transport (19 %). Tertiary sector is 10%. Local sustainable energy policy is at a starting level. Very impressive is the B.A.U. scenario (business as usual) foreseen in 10 years from now, with +26% in transport, 15% in tertiary and 3% in residential sectors.

Through a package of concrete measures Ravenna's transport energy consumption, considered the most critical for its tendency to a sharp increase, shall be reduced by 24% respect to present values. One half of this saving is expected from already planned measures.

The SEC targets set by the City of Ravenna derive from the goals of the Energy and Environmental Plan, approved by the City Council.

Sector	B.A.U. Scenario	Ravenna 2015 target
Residential thermal consumption reduction with respect to a BAU increase of 3%.	+ 3 %	- 2.4 %
Residential electric consumptions reduction with respect to a BAU increase of 6%	+ 6 %	- 0.2 %
Tertiary sector thermal consumptions increase with respect to a BAU increase of 6,4%.	+ 6.4 %	+ 0.9 %
Tertiary sector electric consumptions increase.	+ 23 %	+ 11 %
Transport energy consumption increase	+ 26%	+ 1.8 % (???)
Solar thermal: primary fossil fuel consumption reduction		about 21.000 MWh/y
Solar Photovoltaics: electric production		about 15.000 MWh
District Heating: heated volume of about 4.350.000 m ³ . thermal installed power		131 MWt

SEC STRATEGY

- develop an efficient and sustainable local energy system having Energy Efficiency (EE) and the use of Renewable Source (RES) as means to reduce the use of fossil fuels and to reduce the emissions of CO₂, thus overall promoting environmental protection;
- develop an efficient and sustainable local energy system in line with the main socio-economic and territorial conditions along three main axis:
 1. Actions about the public property
 2. Actions in the field of the local planning and permitting system
 3. Coordination, promotion and dissemination activities

SEC ACTIONS



1. Implementing a dynamic management and **monitoring system** in the public building stock (in progress)
2. Undertaking **energy audits** of all the buildings and introduce the energy certification labelling (to be performed)
3. introduction of specific **binding criteria and incentives on building energy performance**, energy saving and RES within the local planning and permits system (RUE, POC) (in progress)
4. 'Un Mare di Qualità 2008' Project: to promote and to stimulate the quality and **eco-compatibility of the local seaside** resorts (in progress)
5. GATRE project: the project is aimed to create locally a **purchasing group for EE and RES technologies** by means of according with local ESCOs or other enterprises (to be performed)

Contact

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