

Italian target for 2020

The Italian Renewable Energy Action Plan has been submitted to European Commission on 30 June 2010.

In 2009 the use of biomass for energy purposes contributes for just 3.5% to the final national energy consumption (180.2 Mtoe), but with a production equal to about 6,2 Mtoe, bioenergy represent 29.5% of the whole amount of energy from renewable sources in Italy (21,1 Mtoe).

The National Renewable Energy Action Plan (nREAP) sets for bioenergy in Italy a target by 2020 equal to 9,815 ktoe, in order to cover 19% electricity, 54% heating and cooling and 87% in transport fuel on total consumption from renewable sources.

The amount of energy produced in 2009 (6.238 ktoe) was equal to 63.6% compared to the target set for 2020 by the nREAP. Such a target could seem ambitious, but is considerably smaller than the estimated potential (24 - 30 Mtoe, ITABIA, 2009) for bioenergy in Italy, able to cover up to 13-17% of the total energy demand.

Electricity	Situation on 31st december 2005		Foreseen situation on 2020	
	Installed power (MW)	Produced energy (GWh)	Installed power (MW)	Produced energy (GWh)
Electricity from solid biomass	653	3,477	1,640	7,900
Electricity from biogas	284	1,198	1,200	6,020
Electricity from bioliquids	-	-	980	4,860
TOTAL	937	4,675	3,820	18,780

Heating and cooling	Situation on 31st december 2005	Foreseen situation on 2020
	Produced energy (Ktoe)	Produced energy (Ktoe)
Heat from solid biomass	1,629	5,254
Heat from biogas	26	266
Heat from bioliquids	-	150
TOTAL	1,655	5,670

Biofuels	Situation on 31st december 2005	Foreseen situation on 2020
	Gross consumption (ktoe)	Gross consumption (ktoe)
Biodiesel	179	1,880
Bioethanol / bio-ETBE	-	600
Other (biogas, pure vegetable oils, etc.)	-	50
TOTAL	179	2,530

