

## **BIOENERGY IN GREECE**

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*ABSTRACT:* Bioenergy in Greece is considered as a “problem-solving” form of energy production and energy saving, especially in the wastewater and agro-industrial sectors where the main applications exist.

Bioenergy use was estimated at 39 PJ/year, in 2001, about 3.4% of the total primary energy consumption in the country by that year. Of this, biomass (mostly wood consumed directly in the domestic/residential sector) accounted for 64.4%, or 0.946 Mtoe. Domestic use of wood (burning of wood in open heaths for cooking, water and space heating) accounted for about 74% (0.70 Mtoe) of total biomass energy production. The remaining 26% (0.24 Mtoe) was produced by the combustion of wood by-products and agricultural residues, and the utilisation of biogas produced in landfills, agro-food industries and municipal wastewater treatment plants.

The market for bioenergy in Greece presented considerable growth after a number of financial incentives introduced in 1997. However, the field has much more potential than the already exploited and there are certain technical and non-technical factors hindering further commercial development.

Keywords: bioenergy, Greece, electricity sector, heat sector