

RENEWABLE ENERGY

Ireland is developing its renewable energy capability by concentrating on two natural renewable resources: wood and wind. Government targets for renewable energy by 2020 are 33% for electricity consumption and 12% for heat. By 2015 it is planned to achieve 30% co-firing with biomass at three peat power plants and 10% transport biofuels by 2020.

Many companies such as ESB, Coillte and Glas Energy are embracing renewable energy as the way forward for Ireland.

ESB

ESB is embarking on a major capital investment programme for the decarbonisation of electricity by 2035.

Under its new Strategic Framework, ESB is to reduce its carbon emissions by 30% by 2010; by 50% by 2020 and be net-zero by 2035. A total of €4 billion is being invested by ESB in renewable energy projects including wind, biomass and new technologies. ESB's wind portfolio in Ireland is set to reach 600 MWs by 2012.

COILLTE

Coillte owns 445,000 ha of land mostly forested. It is playing a major role in renewable energy – wood and wind. The company is the second largest developer of on-shore wind generation capacity in Ireland.

Approximately 20% of installed wind energy generation capacity in Ireland is situated on land formerly owned by Coillte. The company is a significant contributor to achieving Ireland's renewable energy targets over the next decade. Coillte is leading the way in the provision of carbon-neutral Biomass to Heat solutions to the commercial and industrial sectors in Ireland

GLAS ENERGY

Glas Energy is playing an important role in establishing a foothold for wood fuel as a reliable economical source of heating.

From case study projects with log boilers for home heating to district heating systems fuelled by wood chip boilers, wood fuel is a reliable, cost effective and future proofing solution to our energy needs.