

The Renewable Energy Generating Capacity Database Ed 1 2010

Introduction

The ABS Renewable Energy Generating Capacity Database is a major expansion of the previous editions, containing data on heat as well as electricity. Heat is a significant and sometimes ignored energy source.

Database Scope

Electricity generating capacity

Tables of electricity generating capacity from 1990 to 2020 for each individual renewable energy source are provided in MW, separately and consolidated into the global renewable energy capacity total of 1,274 GW in 2010. Waste has been added and the following energy sources are contained in the database.

- Hydro
- Wind
- Solar PV
- CSP Solar thermal
- Biomass
- Waste
- Ocean energy
- High temperature geothermal
- Total renewable generating capacity

Heat

Heat energy is provided historically without forecasts. Heat is a significant renewable resource, in 2007 generating over 180 GW of energy. Use of some of these technologies is growing very fast.

- Solar thermal heat collectors in capacity MW and area m² from 2000 to 2007
- Geothermal low temperature heat (space and water heating) in MW from 1995 to 2006
- Ground Source Heatpumps (GSPs) in MW from 2000 to 2006

The database indicates the average capacity factor for each generating technology and capacity credits for wind.

Many countries are setting renewable targets as part of their environmental policies as percentages of electricity generation by a future date. These will be reported in a new companion series to the ABS Renewable Energy Database, Renewable Energy Targets and Government Support Measures.

Price of whole Renewable Energy Generating Capacity Database - £750
Hydro, Wind, Ocean Energy database (individually) - £175 (each)
Solar PV and CSP Thermal, Geothermal, Biomass and Waste - £250 (each)
<i>*For US Dollar and Euro prices please refer to www.absenergyresearch.com</i>

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