

# Analyzing Wind Power in the Baltic Countries

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## Abstracts

The Baltic States comprises of the three states of Estonia, Latvia and Lithuania which lie in north-central Europe, on the eastern edge of the Baltic Sea. These countries gained their independence from the former U.S.S.R. in 1991.

The potential of wind power along the coastal areas of the Baltic States are similar to some of the best sites in Germany and Denmark, but the resource remains largely under-utilized.

In Estonia, the most prospective areas for wind energy utilization are West-Estonian islands and coast areas on North-West and South- West Estonia, also the areas of North-Estonian coast and coast of Lake Peipsi.

In Lithuania, energy production from wind energy sources started recently only from 2002, when the first wind turbine was installed in Skuodas. The biggest wind power plant in Lithuania was installed in 2006 in Kiauleikiai, Kviecia and Rudaicia villages (near Palanga).

Wind energy potential in Latvia is not entirely used– at the beginning of 2006 the total installed capacity of wind generators reached 26 MW, which is as few as 4% of the total estimated technical potential in Latvia In fact the technical potential in Latvia is estimated up to 1250 GWh, or in other word up to 600MW of installed capacity.

The potential has been recognized off late, and the Governments of Lithuania, Latvia, and Estonia have signed an agreement to cooperate in a UNDP Global Environment Facility (GEF) project to identify the existing barriers to the development of commercial-scale wind power production in the Baltic States, and define measures for their removal.

In June 2009, the Memorandum of Understanding of the Baltic Energy Market Interconnection Plan (BEMIP) was signed by the relevant Heads of State. The BEMIP is a step towards a future pan-European electricity grid in the Baltic region, and extends the successful Nordic electricity market rules to the three Baltic States.

Aruvian Research's report, *Analyzing Wind Power in the Baltic Countries*, is a complete analysis of the wind energy industry in the Baltic States (namely Estonia, Lithuania and Latvia). The report analyzes the present global and regional market scenario, the prevalent wind resources in this region, governmental policies, future projections, detailed analysis of the leading provinces and much more.

The report is a highly comprehensive research compilation of the nascent wind power industry in the Baltics. The report also provides a look at the overall energy industry in the Baltic region and a brief profile of the global wind power industry as well.

The report, *Analyzing Wind Power in the Baltic Countries*, explores the importance of wind power in today's world. The report looks at the basics of the wind energy industry, economics, issues and barriers, and other such factors.

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