

Europe's biggest wind farm planned in Sweden

April 6 2009



The first onshore wind farm to be built in the southeast of England is pictured in 2008. Plans to build the biggest wind farm in Europe are underway in Sweden after winning approval from a local county administrative board, officials said.

Plans to build the biggest wind farm in Europe are underway in Sweden after winning approval from a local county administrative board on Monday, officials said.

If the Swedish government gives its green light as well, a total of 1,101 [wind turbines](#) will be built in northern [Sweden](#) at an estimated cost of 55 billion kronor (6.9 billion dollars, 5.1 billion euros), the Norrbotten county administrative board said in a statement.

Its environmental assessment delegation recommended that the government give the Swedish company Markbygden Vind AB a permit

for the project. Stockholm is expected to announce its decision within the next 12 months.

"This would be Europe's, if not the world's, biggest wind farm," Caj Noren, a spokesman for the board, told AFP.

Construction could begin in two-and-a-half years and would be completed after about a decade, Noren said.

The wind farm would be located in Markbygden, west of the northern town of Piteaa, in an area measuring about 450 square kilometres (175 square miles).

If and when the wind farm is fully operational, it would produce a total of eight to 12 terawatt hours per year.

The Markbygden project alone could thereby generate enough energy to meet Sweden's 2015 national [wind power](#) target of 10 terawatt hours per year. A terawatt is equal to one trillion watts.

The turbines would have a maximum height of 200 metres (650 feet), according to the plans.

Markbygden Vind AB is owned 75 percent by the Swedish group Svevind Holding and 25 percent by German group Enercon, one of the world's biggest wind turbine makers.

No contract has been signed yet for the construction of the turbines.

(c) 2009 AFP

Citation: Europe's biggest wind farm planned in Sweden (2009, April 6) retrieved 20 September 2024 from <https://phys.org/news/2009-04-europe-biggest-farm-sweden.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.