

Navitus Bay Statistics

These statistics have been presented to show how the latest proposal for Navitus Bay differs from that originally made by Eneco, the Dutch company that has been granted the development rights to the wind farm.

They also show how the latest Navitus Bay proposal differs from the Prinses Amalia wind farm already established off the Dutch coast by Eneco.

Recommended distance from shore

The government recommends that most offshore wind farms be sited away from the coast, generally outside 13.8 miles (12 nautical miles).

Current proposed distances from shore for Navitus Bay

In December 2012 Navitus Bay announced that the wind farm would be moved further away from shore than originally planned. The new distances to shore are:

Swanage - 9.1 miles (was 8.2 miles) and The Needles - 8.62 miles (was 8.4 miles).

Prinses Amalia wind farm

The Prinses Amalia wind farm developed by Eneco (the Navitus Bay developer) off the Dutch coast is quoted as operating "without spoiling the uninterrupted sea views enjoyed so much by beach goers", yet is located 14 miles out to sea.

Prinses Amalia v Navitus Bay

Navitus Bay would be a significantly larger development than Prinses Amalia, which has only 60 wind turbines, each with an axis height of 59 metres. In December 2012 Navitus bay announced a reduction in the maximum number of turbines from 333 to 218 and a reduction in the max height of the tallest turbines from 210 to 200 metres.

Reduced capacity of Navitus Bay

The capacity of the Navitus Bay wind farm was originally cited as between 900 megawatts and 1,200 megawatts, which was considered sufficient to supply the electricity needs to between 615,000 and 820,000 homes.

In December 2012 Navitus Bay announced a reduction in the maximum overall capacity to 1,100 megawatts, which is considered sufficient to supply the electricity needs of 775,000 homes.

Reduced size of Navitus Bay

At the same time the area to be developed was reduced from 76 square miles to 67.5 square miles.

Environmental Impact Assessment

In order that the full environmental impacts of the development can be understood, the developer has to produce an environmental impact assessment (EIA).

STEVE ROBERTS (20/01/2013)