



CASE
STUDY

Case Study



Clean Energy

Wieringmeer, The Netherlands - Wind power

Wieringmeer is ideally situated to wind energy, and in 1996 it already had 44 wind turbines scattered through its area with a capacity of 12.3 MW. 35 of these are small, privately owned turbines with an approximate size of 80 KW. In this location, 1 1.65 MW turbine will produce on average 3.300 MWh and thereby save 1880 tonnes in CO₂-emissions. There has, however, been considerable resistance in the Netherlands to the construction of a large number of turbines in this flat and open landscape. The municipality had originally prepared a special wind energy plan, but as wind energy technology developed, this became increasingly out of date. Therefore the opportunity was taken to review the plan for wind energy. In 1997 it was decided taken into account the results of the technical review and the public reaction to wind energy infrastructure, that only 5 out of 8 sites would be developed. By the end of 2002, only 31 new turbines with a capacity of 1.65 MW each were ready to operate. If all planned wind turbines are installed, the electricity production would be sufficient to supply approximately 50,000 average households. Although there are no financial incentives, the municipality actively helps citizens in their applications to erect wind turbines.

Windmills in the Netherlands



Source: [https://commons.wikimedia.org/wiki/File:Tussen Middenmeer en Aartswoud, moderne windmolens 2006-07-30_12.25.JPG#filehistory](https://commons.wikimedia.org/wiki/File:Tussen_Middenmeer_en_Aartswoud,_moderne_windmolens_2006-07-30_12.25.JPG#filehistory)

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Credentials

Authors: Paul Suding, and Florian Steinberg. Edited by: Florian Steinberg