



Kalmarsund Vind

Economic association for environmentally friendly and cheap electricity

Opportunity to become your own electricity producer

When Kalmar Energi was planning to build another wind power station in Degerhamn, on the island of Öland, it was with the intention to allow the clients to be share owners. As share owners of a wind power station and their own electricity producers the clients could contribute to a cleaner environment and at the same time cut down their electricity costs. This was possible to achieve through an economic association.

Development

The association Kalmarsund Vind was established in March 2006 and from the very beginning the interest in buying its shares was high. Two weeks after the introduction half of the original 2000 shares had been sold and by the end of May all the shares had been sold out. And there was still a queue for another 2000 shares! At that time the association took an opportunity and bought two wind power stations in the northern part of Öland and could offer another 3400 shares. All the shares had been sold out by the end of August.

The present situation

Kalmarsund Vind has over 500 shareholders who own three wind power stations valued at 27 million Swedish kronor (SEK). Every shareholder owns one or several of the total 5400 shares in the wind power stations. The three wind power stations are amongst the 10 most efficient ones in Sweden.

One share costs 5 000 SEK and buys 1000 kWh wind electricity every year. A shareholder has to consume electricity equivalent to at least one share and one may only buy as many shares that are equivalent to one's own electricity consumption. One may not buy more than 50 shares.

The Association's ambition is to expand their holding of wind power stations so that in future more people could get access to electricity at a good price caring at the same time for our environment! There is a queue now of 6000 people who want to protect the environment and buy cheap energy.



Opening speech at the wind power station Elvira.



Inauguration festival at Degerhamn

Facts about the wind-power stations

Wind-power station	Capacity	Rotor-diameter	Number of rotor blades	Swept area	Operational interval	Cut-out wind speed	Estimated production 2007
Enercon E48 (1 pc)	800 kW	48 m	3	1 810 m ²	16 – 30 rpm	28 m/s	2 160 kWh
Vestas V52 (2 pc)	850 kW	52 m	3	2 124 m ²	14 – 31 rpm	25 m/s	3 400 kWh

In Vannborga there are two Vestas V52 plants and in Degerhamn there is one plant of model Enercon. There are 20 wind power plants like this in Sweden. The plant in Degerhamn has produced most electricity of all the plants of this model in Sweden in 2007. The estimated production for all the three plants for the year 2007 was already reached in November.

The electricity produced by the three power plants prevents each year 3440 t carbon dioxide, 3,67 t sulphur dioxide and 3,13 t nitrogen oxides from being discharged into the air.

The shareholders receive electricity for 16 – 18 öre/kWh, without electricity tax or certificate. This should be compared to the corresponding market price that at the end of November 2007 was about 60 öre/kWh. The wind power plants are located at good wind sites which makes it possible for the association to keep the member prices at a low level even in future.

Statement

"To be a shareholder in a wind power station is the first tangible possibility to directly influence the environment around us. Besides the electricity price is very good! We have bought as many shares in our properties as we were allowed to. Right now we get around 7% interest on the invested money. That isn't bad! Our ambition is to be a climate neutral enterprise so we buy district heating to all our properties wherever it's possible from Kalmar Energi. They produce heating out of environmentally friendly biofuels and waste heat. We have also decided to buy carbon dioxide emission rights corresponding to our consumption of oil and diesel that we cannot at the moment replace with renewable sources. For this purpose we use part of our money that we earn on the cheap electricity."



Peter Glebe, Manager of Glebekoncernen Kalmar

Co-operating companies

Kalmar Energi AB	www.kalmarenergi.se
Vindkompaniet AB	www.vindkompaniet.se
Borgholm Energi AB	www.borgholmenergi.se
Kalmarsund Vind Ekonomisk förening	www.kalmarenergi.se/templates/substart_4625.aspx
Enercon	www.enercon.de
Vestas	www.vestas.com

Fossil fuel free region

This information leaflet is part of a series of good examples of fossil fuel free initiatives and has been produced by the Regional Council in Kalmar County in co-operation with Kalmar Energi AB.

More information on nooil and fossil fuel free region may be found at <http://www.kalmar.regionforbund.se/nooil-eng>

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THE REGIONAL COUNCIL
IN KALMAR COUNTY

nooil.



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