



Wind. Energy for the future.

Skellefteå Kraft tapping into an inexhaustible natural resource

Skellefteå Kraft sees wind power as an important source of energy in the future of Sweden's electricity production. Wind is an inexhaustible natural resource and by actively participating in the development of modern wind power technology, we are creating opportunities for the future for our customers, both when it comes to providing an active, eco-conscious energy choice and competitive prices.



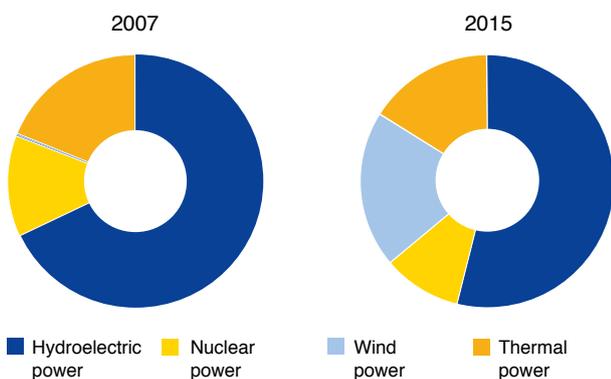


Large-scale wind power initiatives that will increase the proportion of eco-friendly energy are now under way at Skellefteå Kraft. One of the goals of the Swedish Energy Agency is for wind power in Sweden to produce 30TWh of electricity by 2020. As an established player on the green electricity market, Skellefteå Kraft has both the desire and the ability to play an important role in the realisation of such goals. We plan on producing 1TWh by 2015 and being a strong contributor to wind power development in Sweden.

A broad range of green energy production

Supporting green energy production is an integral part of Skellefteå Kraft's corporate culture. We have a long tradition of making the best use of natural resources and have the express goal of making environmental awareness a top priority in the management of all of our operations. Together with hydroelectric power and bioenergy, the development of wind power plays an important role in our aim to offer our customers a broad range of green energy alternatives. The development of more eco-friendly energy is in line with the national energy objectives established by the EU. According to these objectives, 49 per cent of Sweden's energy is to be produced from sustainable energy sources by 2020. Because renewable energy sources accounted for 32 per cent of Sweden's energy production in 2005, an increase of 17 per cent is still needed.

BREAKDOWN OF ELECTRICITY PRODUCTION



Breakdown of electricity production Skellefteå Kraft's development of its own wind power plants will lead to a great increase in the amount of green electricity produced. In 2007, wind power accounted for approximately 0.1 per cent of the company's electricity production but by 2015 this figure is expected to increase to 20 per cent.

Wind power's development

A modern wind turbine harnesses about 50 per cent of the wind's kinetic energy and given that wind force increases with altitude, today's turbines most often have a mast height of about 100m.

Investment in wind turbines does not incur any production costs related to raw materials and the total energy consumed in building a turbine is equivalent to just one per cent of the its total production yield.

Today there are nearly 900 wind turbines in Sweden. Despite this, wind power comprises just a small percentage of the country's total electricity supply. In 2007, approximately 1.4TWh of electricity was produced from wind energy. This was equivalent to around one per cent of Sweden's total energy production. Neighbouring Denmark is one of the world's largest producers of wind-generated electricity, supplying more than 20 per cent of its domestic energy needs through wind power.

An investment in the energy source of the future

With a firm confidence in both the economic and environmental benefits provided by wind power, Skellefteå Kraft has made a strategic decision to develop, build and operate its own wind farms. Because we see it as an advantage to stay close to our additional operations, the initiative is concentrated to locations within Norrbotten and Västerbotten counties. Most

important is that the areas are situated close to mountain regions or in inland areas with good wind conditions. The main advantage of building land-based wind farms is that there is often access to a connection to the power grid and infrastructure which make efficient logistical solutions possible.

We manage the entire production chain

At Skellefteå Kraft, we handle each step in our wind power development process – from prospecting and planning to construction and production. Overseeing the entire chain means we can ensure that the project is well implemented in terms of quality, the environment and more. This also allows us to offer our customers a complete solution. In addition to green electricity at a good price, Skellefteå Kraft is also able

to offer personalised customer service and energy-efficiency solutions so as to help customers get the very most out of their electricity. All of Skellefteå Kraft's customers can buy pure, wind-generated power and it is also possible for residents in the respective adjacent areas to buy into cooperative wind power associations and gain access to green power for their homes.



The environment – our priority

Skellefteå Kraft's investment in wind power is in line with the company's express goal of contributing to long-term solutions to the problem of climate change. We are working to be a leader in the development and introduction of renewable energy, and our concern for the environment is reflected in our work to improve environmental conditions. Our environmental policy states:

'Skellefteå Kraft is to actively work in support of the development of a sustainable society. For us, this means that we will run our operations in an environmentally safe and friendly way.'

Amongst other things, this means that we at Skellefteå Kraft will both use natural resources sparingly and choose products and methods which support the sustainable use of resources. We work with technology and skills-development in order to continually improve our performance with regard to the environment.

We have also established the express aim that Skellefteå Kraft is to have a broad range of environmentally friendly energy production methods, in which the development of wind power plays an important part.



We have the power

As Sweden's fourth largest energy producer, Skellefteå Kraft is a major provider in the industry with its own energy resources and is a driving force behind the development of green electricity production.

With its extensive experience making the most of renewable raw materials, Skellefteå Kraft possesses a high degree of technical expertise which is a great asset in the work of developing modern wind power technology.

Respect for people and nature

In our work with wind power development, Skellefteå Kraft has been entrusted with the responsibility of taking care of the interests of people, animal and plant life in those areas which are intended sites for wind farms. We do our utmost to choose sites with no established settlements, which may be affected by a wind farm, and any impact on flora and fauna is thoroughly studied. We have a great depth of experience in renewable energy sources and also cooperate with external parties in order to establish what effects wind power will have on the area. A comprehensive monitoring programme overseen by independent researchers and consultants in their respective areas of expertise is carried out throughout the life of a project.

Together with the Swedish Energy Agency and others, Skellefteå Kraft has driven the development of equipment used on wind farms operating in cold climates, including the development of special devices which melt any ice that may form. The wind farm in Uljabuouda will be the first project in which equipment for cold climates is used and studies of the results achieved there will form the basis for continuing development work.

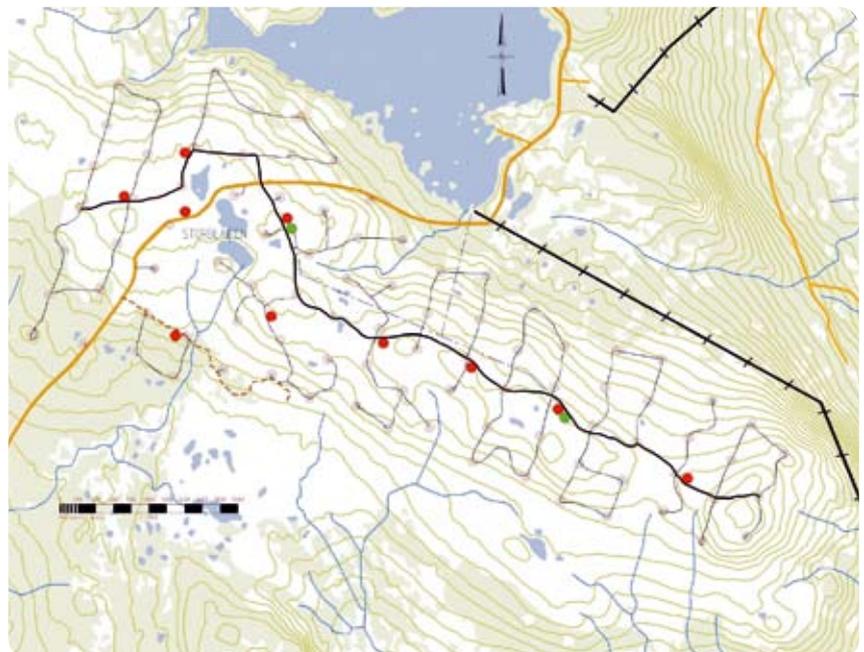


Skellefteå Kraft's investments in wind power

Skellefteå Kraft's wind power development initiative includes a number of projects in both Norrbotten and Västerbotten. All of these are land-based and are in locations which offer good wind conditions. Thorough studies are always performed to assess any possible impact on residences, people and the environment.

Sweden's largest land-based wind farm

Blaiken is Skellefteå Kraft's largest wind power project and, once it comes online, will likely be Sweden's largest land-based wind farm, with a total of 100 turbines. Annual production is expected to be approximately 800GWh, which is equivalent to the energy required for more than 30,000 ordinary homes with electric heating. The wind farm in Blaiken reduces the need for energy sources with greater environmental impact and can therefore contribute to a reduction in carbon dioxide emissions by 800,000 tonnes per year. The area at Blaiken is already used for the large-scale production of hydroelectric power and for mining activities, which means there is a well-established infrastructure within the area. Construction should begin in 2011 and is expected to continue over a five-year period.



Pioneers in cold climate wind power

Skellefteå Kraft began building its first wind farm at Uljabuodafjället Mountain in Arjeplog municipality in 2007. Uljabuouda is the first wind farm in Sweden to be built in a cold climate and employs special measures designed to avoid freezing problems by melting any ice that might form. As a pioneer in developing wind power-related equipment for use in cold climates, Skellefteå Kraft has been a driving force behind the development of new methods designed to make safe wind power production possible in extreme conditions. The plant is expected to be operational by 2009 and will consist of a total of 10 wind turbines. Its total annual production will be 80GWh, which is equivalent to the power needed to supply 4,000 electricity-heated homes.



This image is a montage.

Skellefteå Kraft's operational wind farms

Skellefteå Kraft already has a small number of operational wind farms such as the one at Storgrundet in Bureå, shown in the photograph below. The farm consists of three turbines which have been in operation since 2003. The maximum output for each turbine is 600kW and the total annual production of the farm is 3GWh.





Power, Reliability, Environmental Responsibility and Development

Skellefteå Kraft is one of the largest producers of electrical power in Sweden, with its own hydroelectric energy resources. With our in-house expertise and continuing development work, we provide quality, security, and competence in bioenergy technologies and processes, wind power and more. This means that we can offer our customers value-for-money, long-term green energy solutions and

safe and secure delivery. Skellefteå Kraft AB is a wholly owned municipal company incorporating five business areas – Electric Power, Electric Networks, Heating, Properties and Communication. We also have the staff to support these business areas. We currently employ around 845 staff and our turnover for 2007 was SEK 3.076 billion.

