

Seminar: Lokalt drevet energiomstilling i Danmark og EU

9. september 2016, kl. 10 til 16

Christiansborg, København, Danmark

Title in English: Local Driven Energy Transition in Denmark & EU



Oplægsholdere / Panelister:

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Karl Sperling, ass. prof. Aalborg Universitet; **Morten V. Petersen, Sdr. Vium, Bjergby.**

Dirk Hendricks, EREF, Belgien;

José Etcheverry, prof. York University, Canada; James Buchan, Local Energy Scotland, UK.

Organisatorer: International Network for Sustainable Energy (INOFORSE-Europe), Nordisk Folkecenter for Vedvarende Energi, Miljøorganisationerne VedvarendeEnergi og NOAH, Alliancen for Community Power. Arrangementet er støttet af Europa-Nævnet.

Mere information: INFORSE-Europe: <http://www.inforse.org/europe/europa-naevnet.htm>

Rapport fra lokale energiprojekter i
Sdr. Vium og Bjergby, Mygdal.
By Morten V Petersen

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Borgere bakker op om vindmøller

Sdr. Viums særlige mølleprojekt, hvor alle penge bliver i sognet, afventer et nyt regelsæt for at blive rentabel.

VINDMØLLER

Af Christian Baadsgaard
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SDR. VIUM: Borgergruppen i Sdr. Vium, der har præsenteret et alternativt mølleprojekt, hvor alle pengene fra møllerne bliver i sognet, kunne torsdag aften glæde sig over en enorm opbakning til projektet, da der var indkaldt til borgermøde.

Det gør, at projektgruppen kan arbejde videre på sagen, hvor meningen er at rejse en stribe møller i en højde på 80 meter fra fundament til ving-



Planer om at rejse en stribe 80 meter høje vindmøller møller stor opbakning. Arkivfoto: Joergen Kirk

er en fornøjelse at se så stor en opbakning til dette projekt, og det her må være en øjenåbner for byrådet, som må stoppe med den nuværende planlægning», siger Niels Rasmussen.

Netop den lokale opbakning er altafgørende for befolkningens syn på vindmøller, hvis man spørger Niels Rasmussen.

»De store projekter, der ligger nu, vil skabe endnu større modstand, og modstanden er stor nok i forvejen,« fastslår han.

At mølleprojektet er in mente i planlægningen, selv om det lige nu afventer en

HANDEL

Bygavel

SKJERN-TAR vel tre år siden ening fik de el vektortene er t gyldighed.»H gen, så skynd siger bychef i

KULTUR

Løvfal

RINGKØBIN egn har indl »Folmer og t af Rødding medlemme derholdend tur, som fore

KULTU

Pensio

HVIDE SAN gerforening ster og efte går til Hors

Turbines and biogas for Local house Credit Fund

Background for the projects

Solution

Turbines

Biogas

How to organize

Financing

Risk

Background for the projects

Rural areas are in difficult position caused by placing big windturbines without public acceptance.

Wind resources are used by others than the locals, and nearly no compensations are given.

Mortgage loans are normally 80%, but decreased to 60%, which means that house trading has more or less stopped. Houseprices has decreased, and houses are now rented out. Small societies need settlers.

Young families, who deliver children to the school are not able to buy houses, as they cannot get sufficient loans, which is the normal way of financing in Denmark



Banks and Mortgage institutions are often not willing to grant loans in certain areas, especially places where big turbines has been placed without local accept and ownership. These areas are often mentioned as "black areas". This often makes problems between neighbours, and prices of houses are decreasing. Some places up tp 1/3. We have cases where a young man wish to buy a house for about 50.000 USD, but loan are rejected. The young man was told that if he want to buy a car even for more that the 50.000 USD, a loan is no problem.

Solution

- Citizens of Sdr. Vium and Horslunde have gathered together with the idea of establish a Commercial Trust/Fund financed by sales of electric power from wind turbines, owned by the trust/Fund.
- The loan gap between 60% and 80% for mortgage, can then be guaranteed by the trust, and real estate can then be bought/sold.

Turbines

- -Turbines under 80 m. do not develop low frequency noise (Aalborg Universitets Center)
- -Turbines under 80 m. costs and produce nearly the same scalewise as “big” turbines
- - Turbines under 80 m. are not visible in the landscape at same level as turbines over 80 m. (about 6,5 km)
- - Turbines under 80 m. are easier to get permissions to than these over 80 m.
- - Turbines under 80 m. have no measured public resistance
- Energy prices are at the moment historical low, so neither 80 m. turbines nor big turbines are paying

Biogas

- Biogas plants can work as electricity supplier, gas/methan supplier, heath supplier not at least as storage to balance energy supply.
- Biogas today do not stink, as it is closed systems.
- Biogas in Denmark are using vaste, not crops.

Status

Sdr. Vium: establishment of Commercial fund is going on, Board members are ready, land is ready. Sdr. Vium has already private district heating and biogas plants.

Horslunde: The citizen association has after preliminary meetings decided to go on with the project, "Horslunde Hybrid" containing Solarthermal, Biogas for district heating and wind turbines. The Hybrid shall in the future in principle be able to make Horslunde 100% self-supplying.

Bjergby-Mygdal, Hjørring Municipality has decided that no wind turbines shall be erected for a period, so the citizens are in a waiting position.

How to organize

The Commercial Fund "Sdr. Vium Vindmølle Park", will buy and erect 7 X 800 kW turbines. According to Danish Law 20% of the turbines shall be offered to people living within 4.5 km from the turbines. The parish is a natural unit.

Owners are:

Commercial Fund	up to	80%
Local Privates	from	20%

Financing

Mortgage 60%

Bank loan 40%

Interest in average 4% i 20 years

It is usual bank business in Denmark

Risk

Change of legislation

Resident resistance

Lack of building permit

Operating loss

Electricity prices

Lack of financing

Time schedule

Political processing

Enviromental investigations

Building Permit

Erection of turbines

Under condition of OK from investor, it is expected to take about 18 mounths.

Future

- PSO now - What later?
- Same conditions for medium and large scale turbines, large are offered more than 50% more subsidies.
- Politicians making frames for future windturbine policy.

Thanks for your attention