Danish Experience with Community Owned Energy

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See Proceedings at: https://www.inforse.org/europe/seminar_2021_INFORSE-Europe_DK.htm
Danish Experiences with Community Ownership

Once upon a time (20 years ago)

- All electricity utilities were consumer-owned cooperatives or municipal - both production and supply.
- All district heating companies were consumer-owned cooperatives or municipal - both production and supply. This still applies to supply and very much to production companies.
- Virtually all wind turbines were owned by locally based wind turbine cooperatives.
Danish District Heating has about 400 companies all over Denmark: 50 are municipally owned district heating companies, which deliver around 66% of all district heating, the rest of 350 are predominantly consumer owned cooperatives and only a handful are private companies.

Members supply 64% of Danish households (1.7 million) with district heating – the goal is 75% and District Heating is expanding, and the prices for the consumers are decreasing.

Renewable part is increasing now 60%. Mostly biomass, but partly solar at 160 plants (most cover 15-20% of yearly demand, few with seasonal storage 50%)
District heating
- around 2/3 of heating, 350 small and medium consumer owned cooperatives 50 municipal, all non-profit companies by law

Electricity
- At least 3.500 MW of 3.800 MW land-based wind power is raised by private / citizens (about 10 million DKK pr. MW),
- Total investment from citizens over 35.000 million DKK (about 5.000 million Euro)
Ringkøbing Heat Association & Solar Thermal Collector Fields
Hvide Sande Heating Association, 3 Wind Mills, Heat Pump etc
Lem Heating Association

- [Hvide Sande Fjernvarme A.M.B.A. – Google Maps](#)
- [Ringkøbing Solvarme – Google Maps](#)
- [Lem Varmeværk – Google Maps](#)
Solar PV Cooperatives

Copenhagen Cooperative: The guild was founded in 2004. The guild is built up as a quite ordinary wind turbine guild. Produktion: www.solcellelauget.dk/produktion.htm
Last I / S meeting 2021: 15 March 2021, Copenhagen

Hvidovre: Dividends for 2020 have been transferred to the members on 17 March 2021.

Valby Hallen: 195 DKK per share. Production in 2020: 17,900 kWh, 6.6% higher than budgeted.

Vigerslev: In 2005, 440 shares sold. 290 DKK per share. Production in 2020: 10,650 kWh, which is 10.9% higher than budgeted.
Brenderup –
Citizen’s owned solar park on public shares

A public share in the park costs 10,000 DKK (1300 Euro), and selling 200-300 pieces. The entire solar park will cost around 8 million DKK, but it will also be able to supply green electricity to about a third of Brenderup's citizens.

1 MW – 1.5 football field
Thanks you

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INFORSE-Europe Seminar:
www.inforse.org/europe/seminar_2021_INFORSE-Europe_DK.htm

The Power of the Community Energy Erasmus+ Project in 2019-22
https://www.inforse.org/europe/POWER_CE.htm