



Strategic energy plan for Grenaa 2014

About 40% of the population in Norddjurs municipality lives in the city of Grenaa.

A local window of opportunity

Grenaa Heating Company currently receives a majority of its heat supply from Grenaa Waste Incineration and Grenaa Combined Heat and Power Plant. However, the supply contracts expire in 2015 and 2017, respectively. Grenaa Heating Company therefore has a window of opportunity for reassessing the long term supply options in the context of a green transition. Lallemand, a local yeast industry will also be looking for a new process steam supply contract as of 2017.

Djurs Bioenergi has for number of years been working to establish a biogas production facility near Grenaa and the private company DBH technology has aims to create the first bio-refinery in Denmark in Grenaa harbour and has formed a company to this end. Reno Djurs, the household waste company, and Aqua Djurs, the sewage water treatment company are both potential suppliers of organic matter

Norddjurs Municipality ceased this opportunity to form a partnership with these actors to analyse the options for development.



As a result of the work related to the Grenaa energy supply strategy 2014, agreements have been negotiated with several of the actors. Concrete results include among other the following:

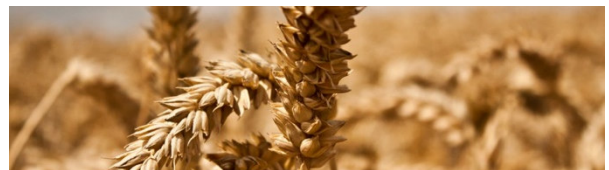
- A new wood chip fired heat plant will be erected in Grenaa City before 2018.
- A biogas plant near the city will be established as soon as possible – a specific area has already been allocated to the project.

- The straw and coal fired combined heat and power plant will be closed down ultimo 2017.
- Surplus heat from the cooling facility of the yeast factory will be used for district heating purposes.
- The energy actors will in the future meet at regular intervals to discuss progress and strategies.

The expected impact of these changes will be a higher share of renewable energy in the supply.

Furthermore, a heat cost reduction is expected. Lower energy prices will benefit local heat consumers and increased income can be used for expansion and new jobs.

Jens Meilvang, Chairman of the Environment and Technology Committee, Norddjurs Municipality: *“For us as municipality the gain has in particular been the recognition of the advantage of using dialogue as driver for change and exchange of ideas. We will use the experiences gained in the organisation of the strategic energy planning for the entire municipality and the cooperation with district heating companies in the neighbouring municipalities”.*



Wider application of experiences

“Businesses and citizens need unbiased guidance in the transition to a green economy. And this project shows that municipalities can offer a neutral space for discussion of the strategic energy planning without interference from business tactical manoeuvring. Thereafter, the energy actors are able to negotiate solutions that are not only profitable from a business perspective but also from a socio-economic perspective and an advantage to the local society”, says Carsten Thorup Willadsen, Planning Engineer, Norddjurs Municipality.