

# Renewable energy transition for Fejø, DK





### **Fejø island:**

- 450 inhabitants
- 16 km<sup>2</sup>
- Mainly farming - especially fruit
- Located south of Denmark

# Content for Fejø in EU project



1. New and effective wind turbine(s) to replace two existing small wind turbines
2. Installing heating pumps and rooftop solar
3. Energy community
4. Energy storage
5. New electrical ferry to replace old diesel



# What would Fejø citizens get from project?



## Economical benefits for Fejø citizens

- Cheaper electricity
- Economical beneficial replacement of fossil heating installations
- Solar installations to replace old toxic plasterboard roof
- Possibility to rent your private roof and get income from that
- New electrical ferry to minimize maintenance compared to existing diesel ferry and thus increase robustness on ferry transport

## Climate and energy self-sufficiency

- Less pollution of air, water and land
- Pro-active fight climate changes with benefits for environment and nature
- Attract new citizens
- Prepping meaning self-sufficiency on energy in potential future global crisis
- Solve our part of renewable energy and not sending potential harm to other parts of Denmark

# Hvad kan Fejø beboerne få ud af projektet?



Possible examples of benefits from a future green fond with funds from the energy community:

- Buy land and plant trees/convert to wild nature
- Convert our two harbours to more attractive green harbours
- Establish a local clean water facility
- ??
- ??



# Concerns



- Wind turbines are noise – not in our backyard
- Wind turbines visually destroy our existing beautiful landscapes
- Bird and animal life are disturbed (Natura2000)



- “Iron fields” not popular due to visual aspect
- Potential impact on animal life and biodiversity?





# Possible wind turbines locations



# User engagement campaign

## Local community

- 5 vision meetings over 12 months conducted (2 more scheduled)
- Island vision plan developed, with energy being one element
- Communication about above in writing in local island paper and mailing list

## Municipality/National bodies

- Continuous meetings taking place both in administrative and political parts
- Collaboration with Samsø to handle national political stakeholders





# Renewable energy – decision process

- Possible locations to be shared and discussed with local community on Fejø
- Actual location to be analysed via Environmental Impact Assessment
- Most likely dispensations will be needed from Natura2000 and/or 300 meter coastal line regulation
- Municipality to prepare new local plan, which must be handled politically and a hearing to be conducted before approval
- Ownership model and funding options to be explored and agreed

