



# Bere Island Energy Progress report March 2011



- Energy Data gathered.....
- ▣ Pop 205, 95 households, dry dock, army camp
  - ▣ over 1000mwh/year electricity
  - ▣ 110,000 lts of heating oil, 65,000 of coal, 150,000lt for vehicles, 140,000lts for ferries
  - ▣ →2,105 ton, kw/hr of carbon

- SHORT TERM 1-5yrs
- ▣ Partner with Government agencies/experts
  - ▣ Increase local interest and awareness, Educate
  - ▣ Solar programme
  - ▣ Small scale PV and Wind
  - ▣ Biomass
  - ▣ Elephant grass
  - ▣ Briquettes



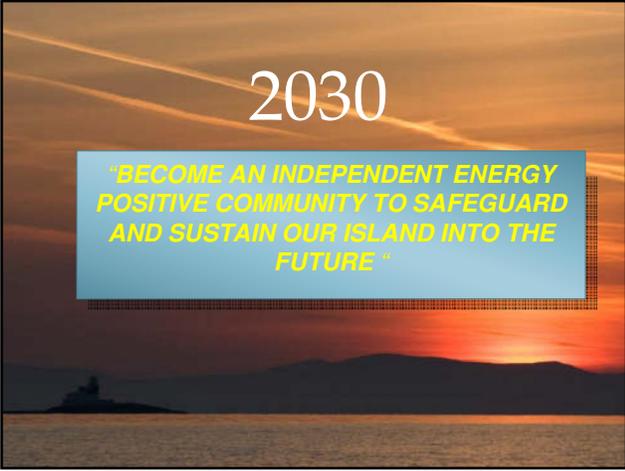
### MEDIUM TERM 5-10yrs

- ❑ Plan for mega marine Wind turbines
- ❑ Implement PV farm
- ❑ Implement pumped hydro reservoir system
- ❑ Biomass, biomass, biomass
- ❑ Investigate/implement alternative fuels for ferries
- ❑ Examine using electric vehicles
- ❑ District Heating systems



### LONG TERM 10-20yrs

- ❑ Install Large scale wind project
- ❑ Install Tidal power
- ❑ Create Cheap energy hub to create jobs
- ❑ Export to national grid



# 2030

**"BECOME AN INDEPENDENT ENERGY  
POSITIVE COMMUNITY TO SAFEGUARD  
AND SUSTAIN OUR ISLAND INTO THE  
FUTURE"**