

SEV

Status for the Faroe Islands

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Faroe Islands:



Faroe Islands:

- **General data:**

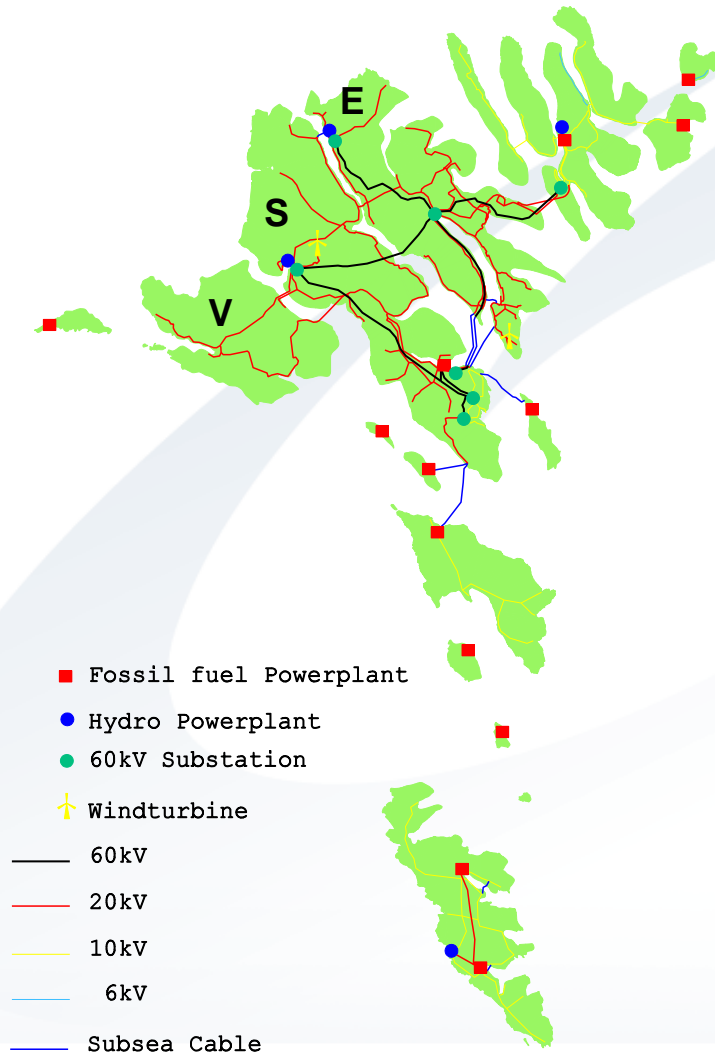
- Area of 1.399 km² (i.e. 540 sq miles)
- 18 islands, where 17 are populated
- 49.000 inhabitants
- Main export: Fish and fish products



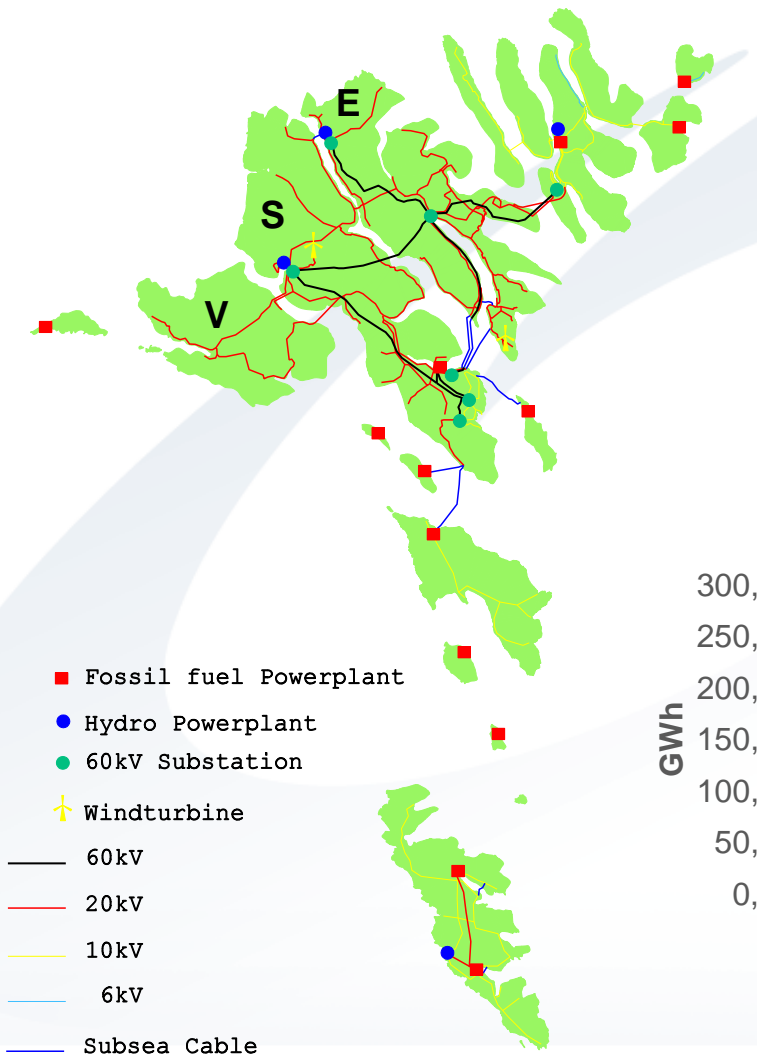
Electrical Company SEV:

- **General company facts :**

- 100 % owned by all Faroese municipalities
- Non-profit, founded 1st October 1946
- Monopoly on grid operation (*transmission & distribution*)
- “*De facto*” monopoly on production (97%)
- Under an obligation to supply
- “Micro isolated system” in EU terms (< 500 GWh)



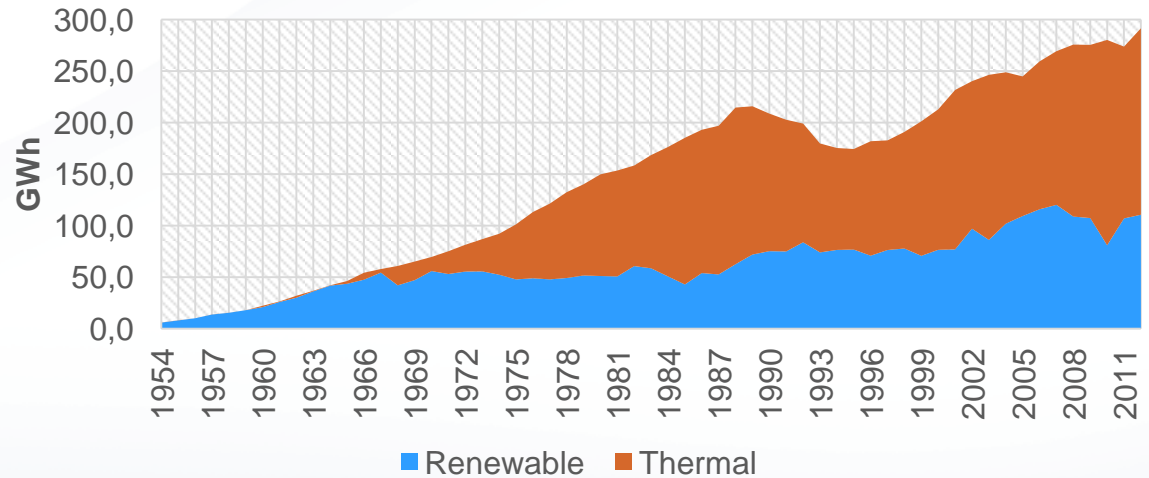
Electrical Company SEV:



Key Figures for 2012:

- Turnover₂₀₁₂: 48 M€
- Total Equity₂₀₁₂: 117 M€
- 132 full time employees
- Annual electrical production 292 GWh

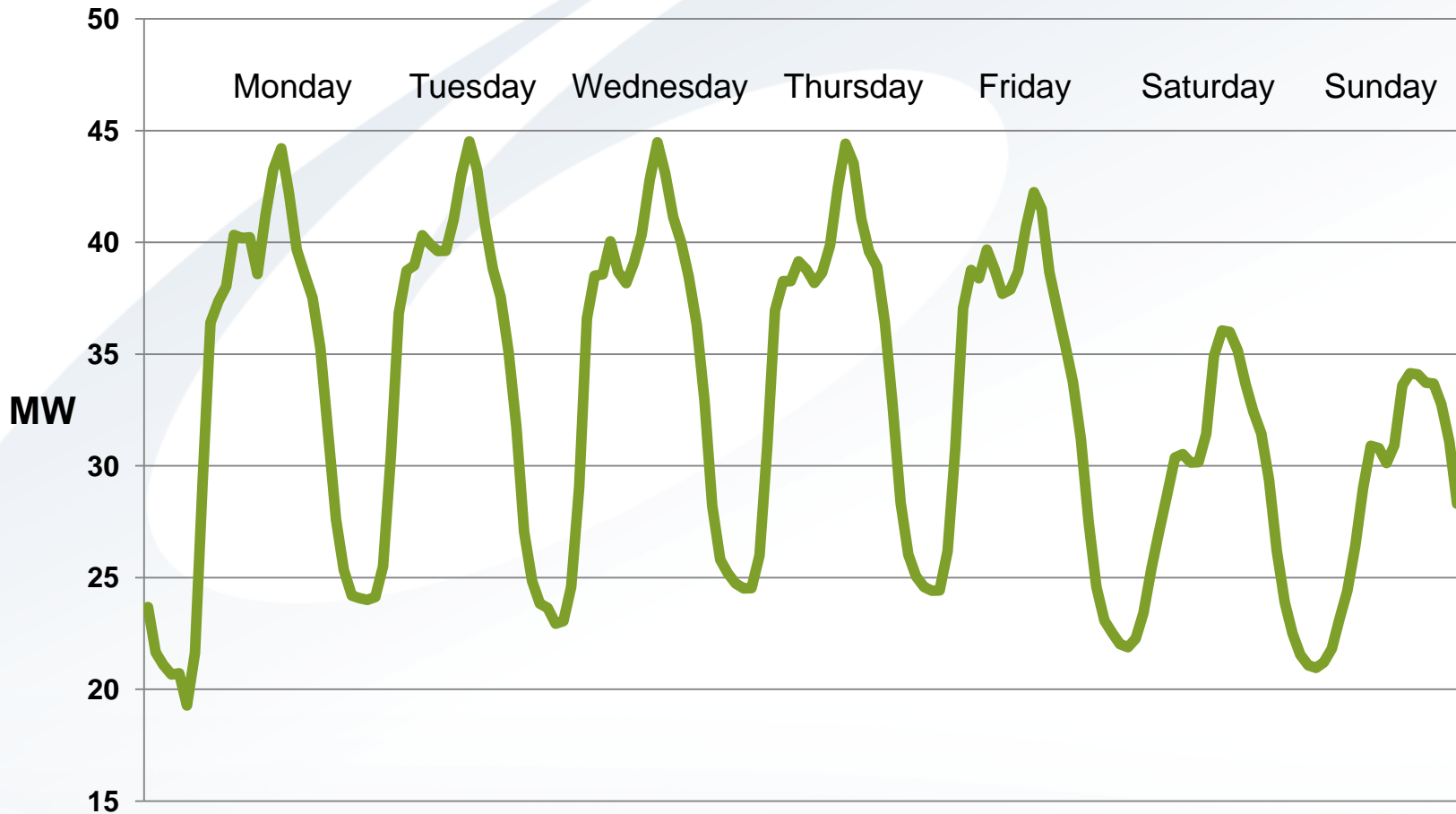
Generation mix



- **Electricity Demand**
- **Generation Mix**

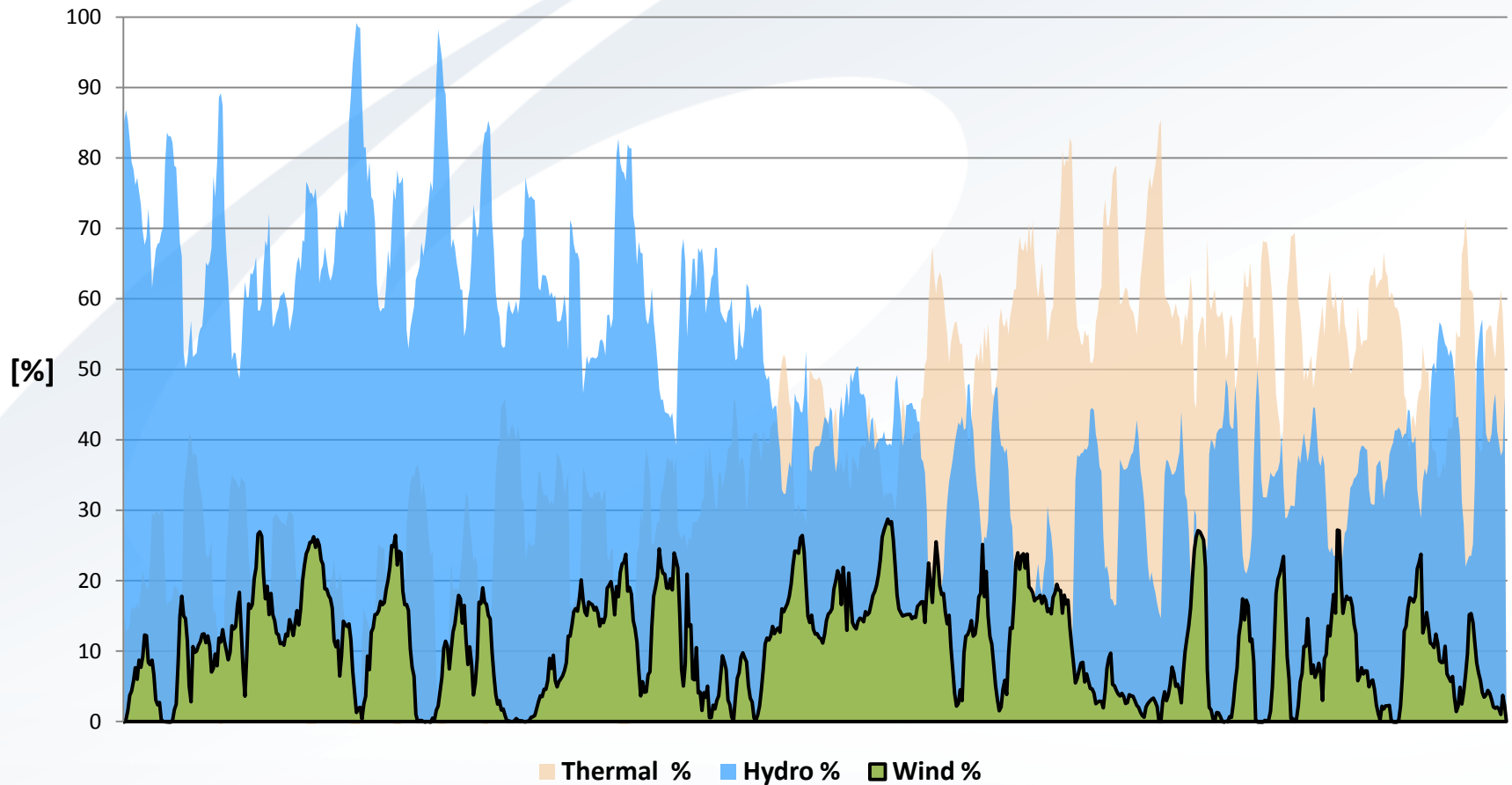
Electricity demand for one week:

Typical week



Power Generation mix:

January 2013

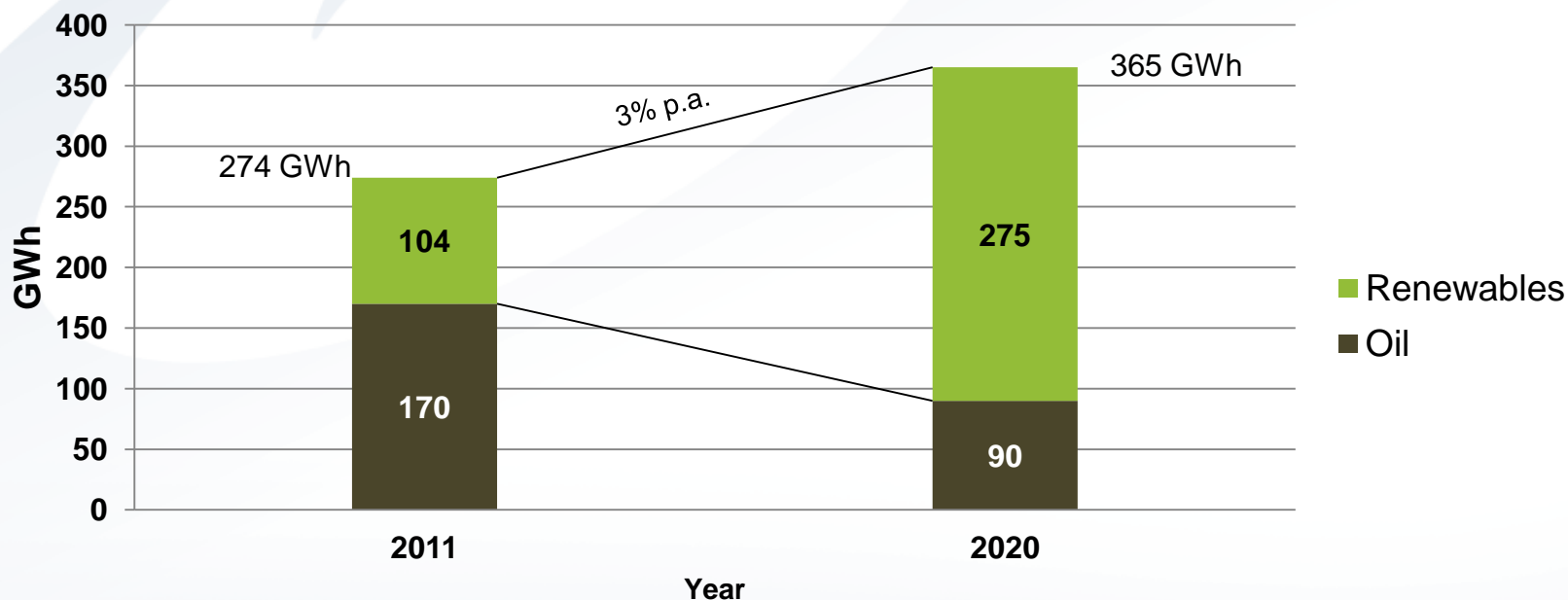


Main drivers for renewable energy in the Faroe Islands

Faroese Carbon footprint policy:

75% renewable energy in the electrical energy sector by 2020

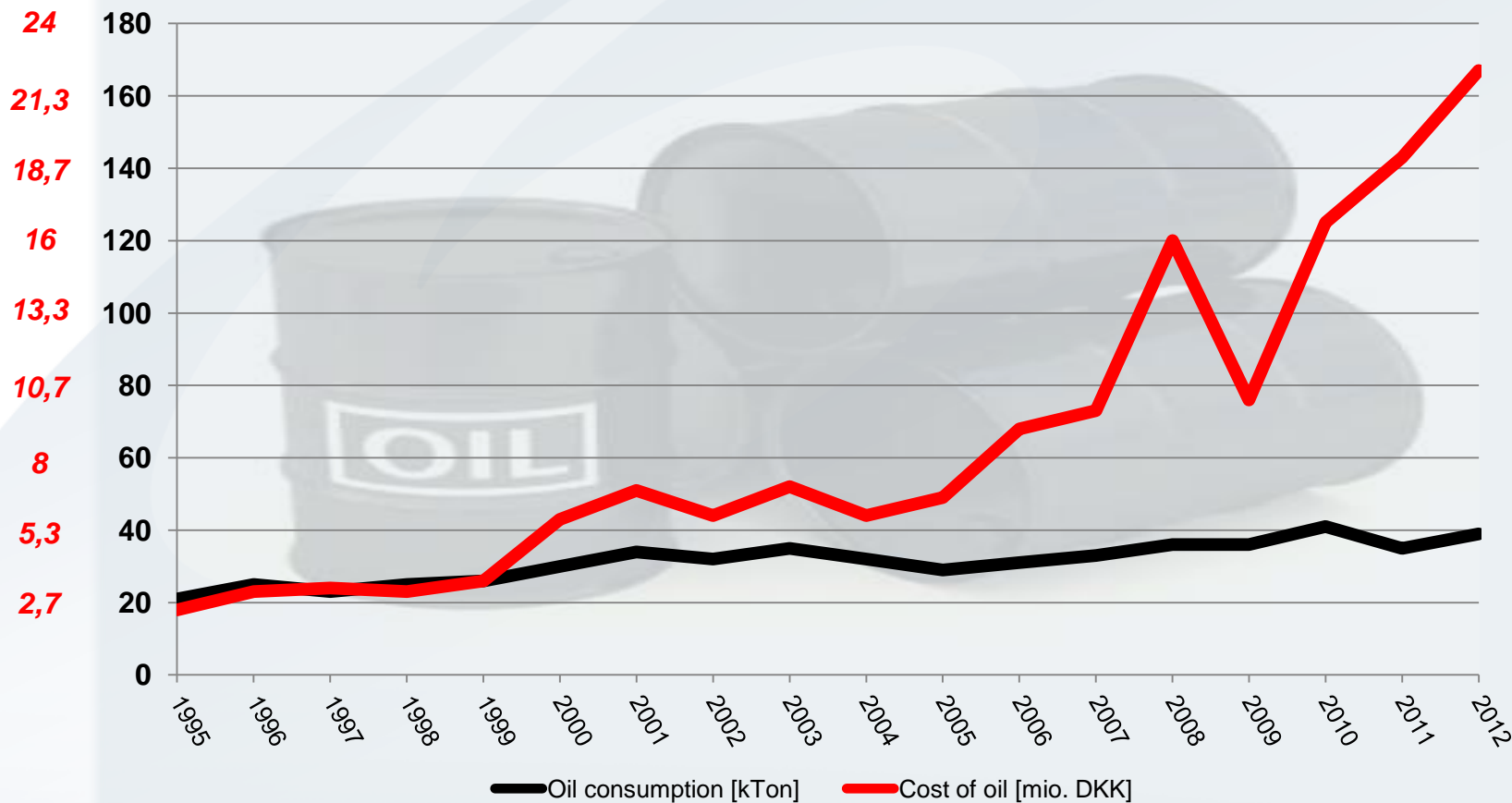
Electrical energy production



Reduce the dependency on oil:

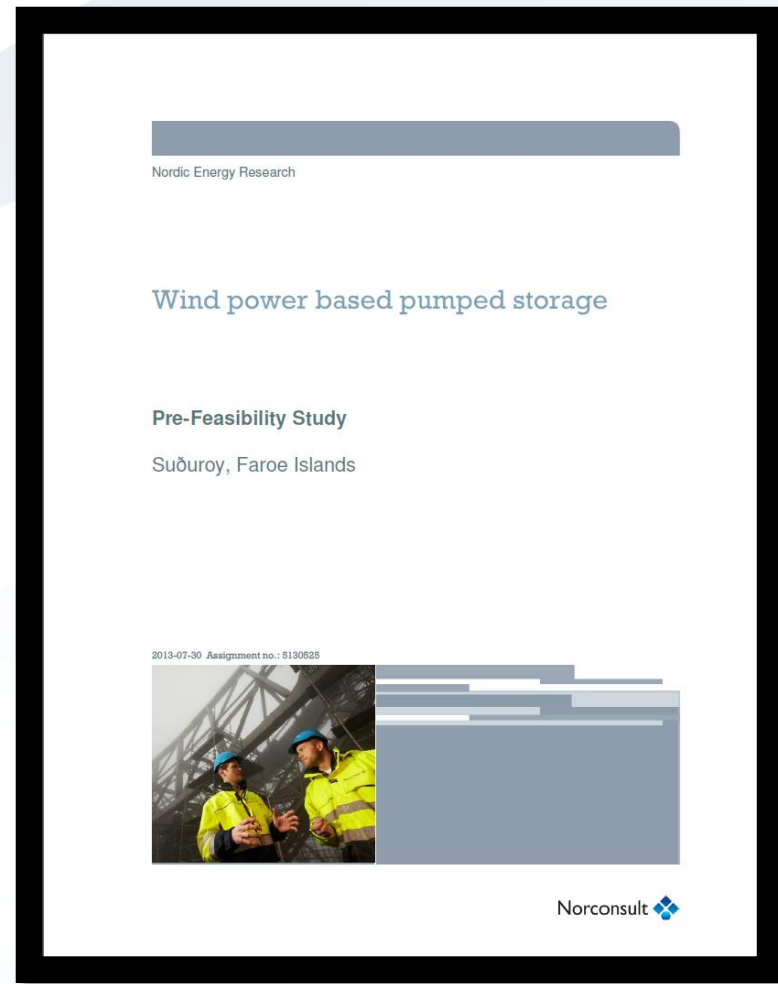
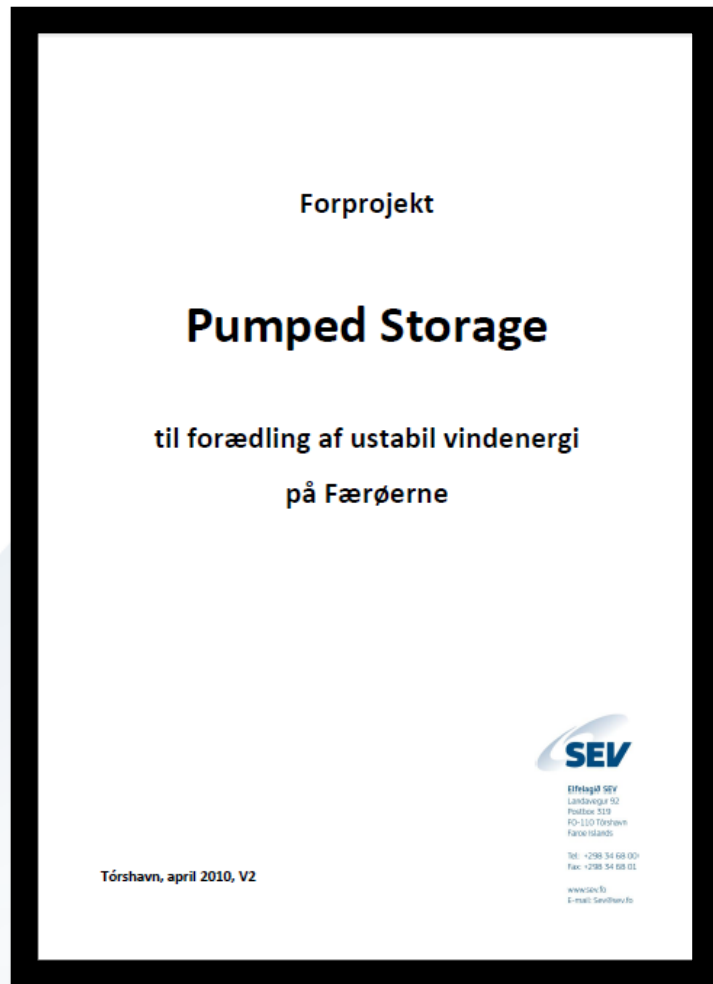
million Euros

Oil consumption versus cost 1995 - 2012

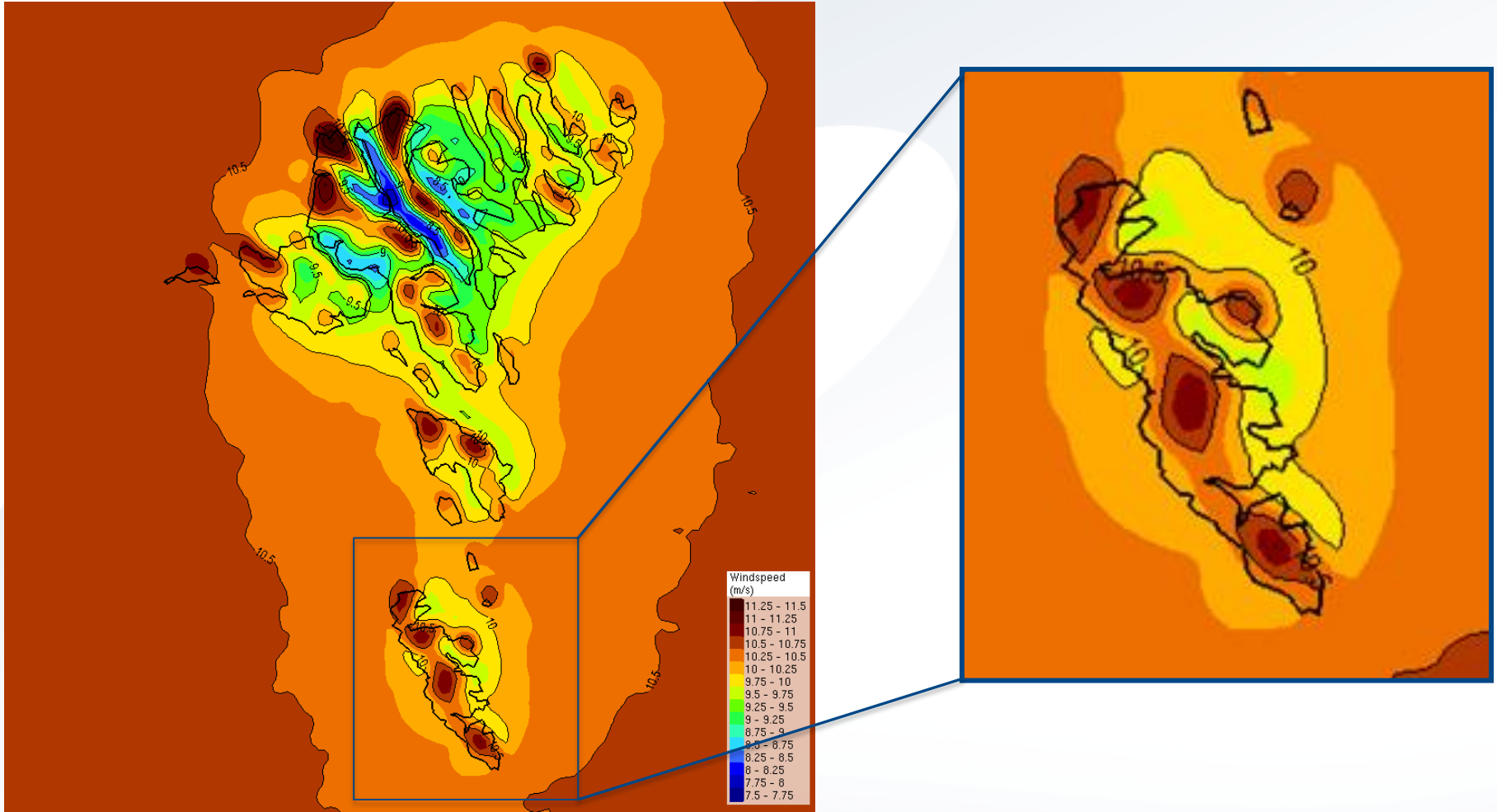


Source: SEV's annual reports

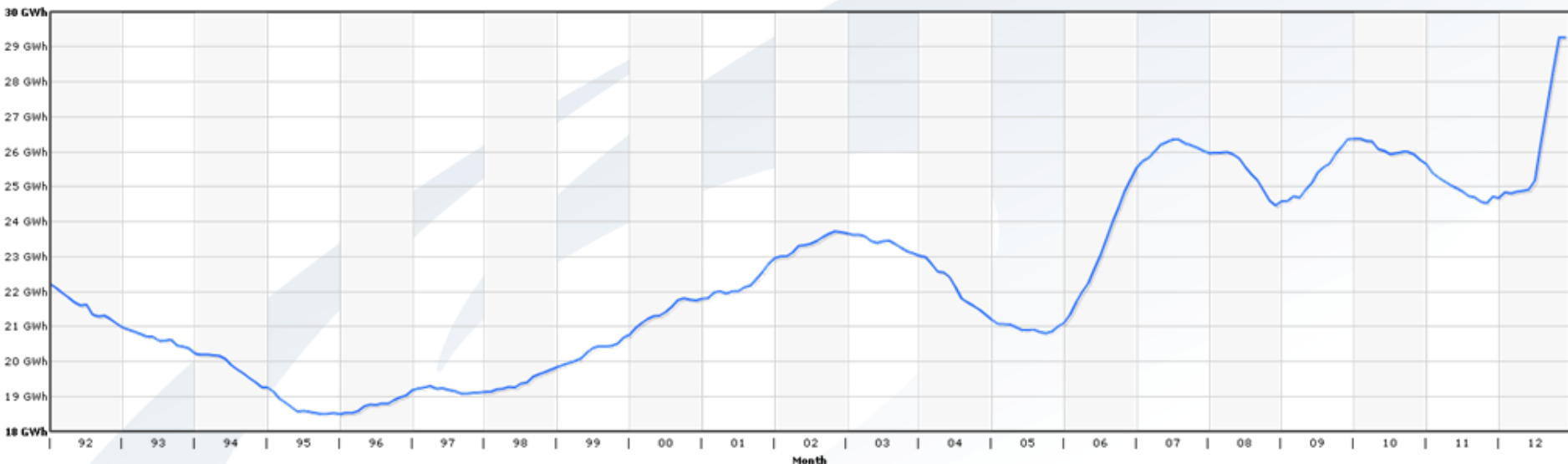
PS – prefeasibility studies:



Average wind speed:



Suðuroy:



- **Key figures for Suðuroy:**

- Consumption 2012: 29.264 MWh

- Consumption 2011: 24.717 MWh

- Peak power 2012: 6.5 MW

- Peak power 2011: 5.0 MW

} Growth: 18.3%

} Growth: 30%

Possible solutions:



Elselskabet SEV

Muligheder for at dække
det stigende el-forbrug
på Suderoy

Idéoplæg

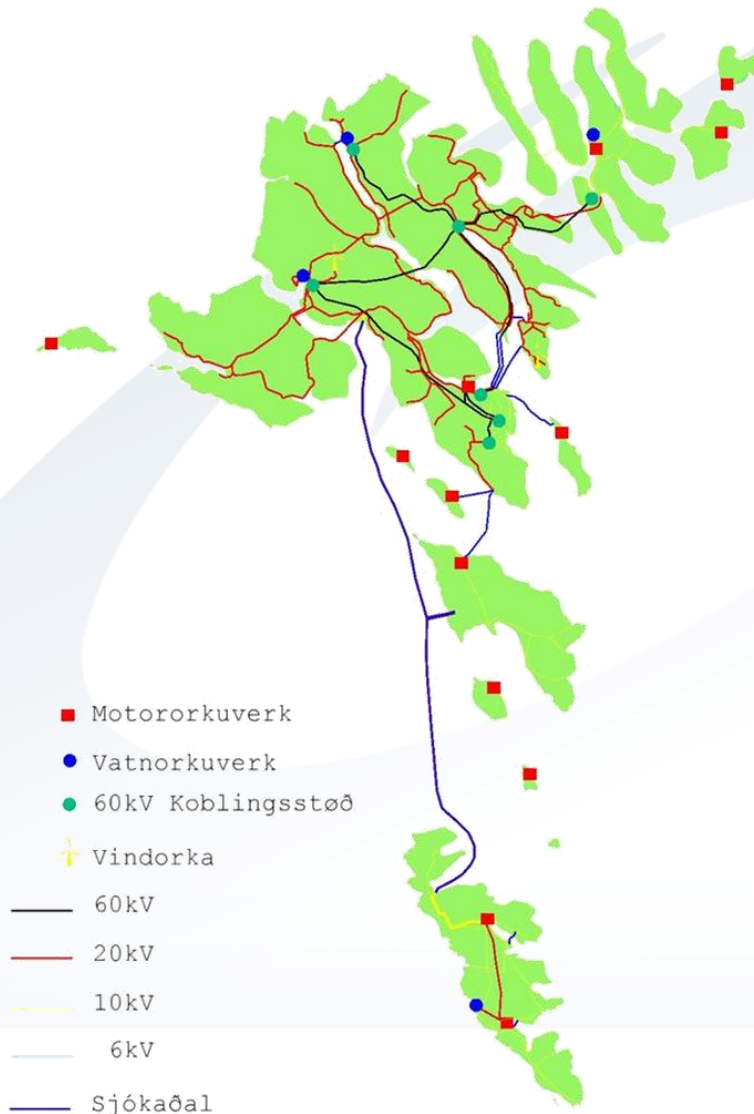
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Suðuroy – cable to main area:



- 60 kV cable:
 - Streymoy – Sandoy 34,7 km
 - Sandoy – Suðuroy 34,2 km
- 60 kV cables:
 - Leynum 1,2 km
 - Hvalba - Trongisvágur 8,5 km

" We simply must balance our demand for energy with our rapidly shrinking resources. By acting now we can control our future instead of letting the future control us"

Jimmy Carter 1977

Thanks' for your attention !

