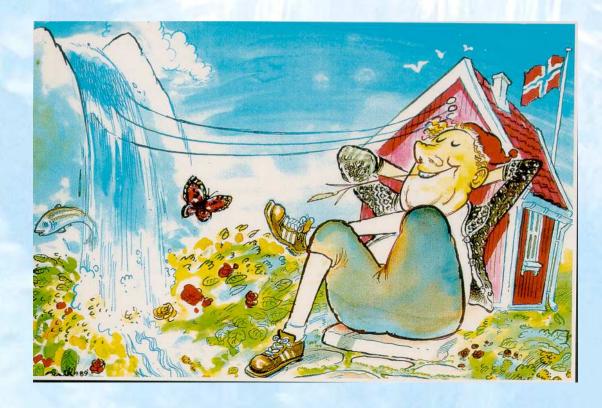


Viewpoints from the Norwegian regulator (NVE)





About NVE

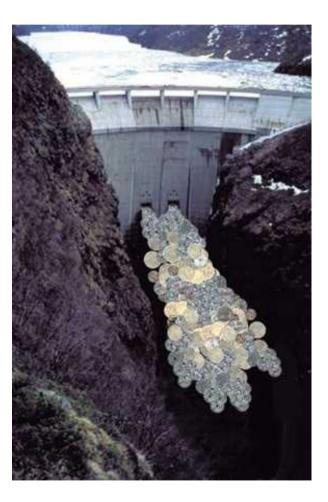
- NVE is a directorate subordinated to the Ministry of Petroleum and Energy
- The goals of NVE are to ensure consistent and environmentally sound management of water resources, promote an efficient energy market and cost-effective energy systems, and contribute to the economic utilization of energy.
 - NVE is responsible for regulating the national power supply.





Electricity production in Norway

- 99% from Hydropower
- In a normal year the power production from hydro is 119 TWh, the consumption is 125 TWh
- Norway has gone from being a net exporter to becomming a net importer of electricity



3 6. nov.



Support schemes in Norway

1	Support Schemes	Year											
1		97	98	99	00	01	02	03	04	05	06	07	08 →
	Investment support (25%)												
	Production support (0,005 Eur/kWh)												
	Enova established – Energy Fund												
	Reduced investment support (10%)												
	Review el certificate – <i>never in place</i>												
	Transitional investment support												
	Technology based production support												

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A coordination experiment – the No-Swe el certificate market (the short story)

It was a good idea because:

- Common electricity market
- Good neighbours
- Good combination of renewable energy sources
- Common understanding of the need for support

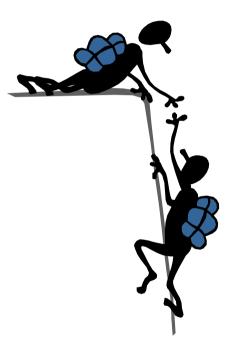
It failed because:

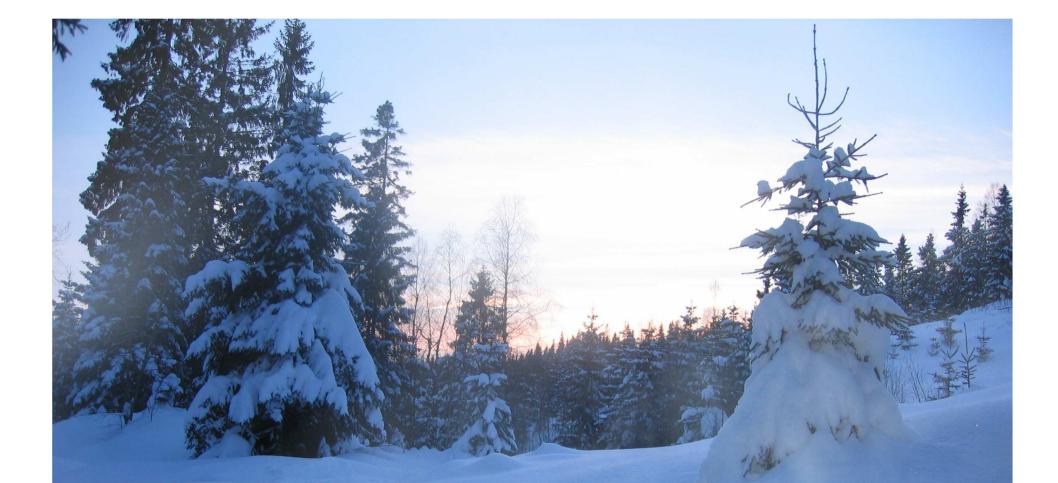
Good neighbours do not always agree on splitting the bill.





- Strong national interests
 - Security of supply
 - Technology development
 - Renewable energy sources
- Burden sharing
 - Costs
 - Environmental impact





Thank you for your attention Mari Hegg Gundersen mhg@nve.no