

Green Growth in Baltic Sea region

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Political plan for Green Growth – 75.000 new green jobs

Ministry of the Environment – primarily Water

SFs Green Growth Plan



50.000 new green jobs by ambitious Energy Policy

10.000 new green jobs by ambitious Water Policy

15.000 new jobs by ambitious welfare technology
use

10.000 jobs created by more innovative public
procurement

Red Green Government

- Green statistics
- Lower costing rate on investments
- Nature and Agriculture Commission
- 7 Growth teams
 - Energy
 - Water
 - Welfare Technology
 - Maritime
 - Food
- Advanced Investments
 - 2,5 billion DKK on Climate Change Adaptation
 - 8 billion DKK on Energy renovation of Social housing



Danish Energy Agreement 2012

The government's energy policy milestones up to 2050

In order to secure 100 pct. renewable energy in 2050 the government has several energy policy milestones in the years 2020, 2030 and 2035. These milestones are each a step in the right direction, securing progress towards 2050.

2020

Half of the traditional consumptions of electricity is covered by wind power

2030

Coal is phased out from Danish power plants
Oil burners phased out

2035

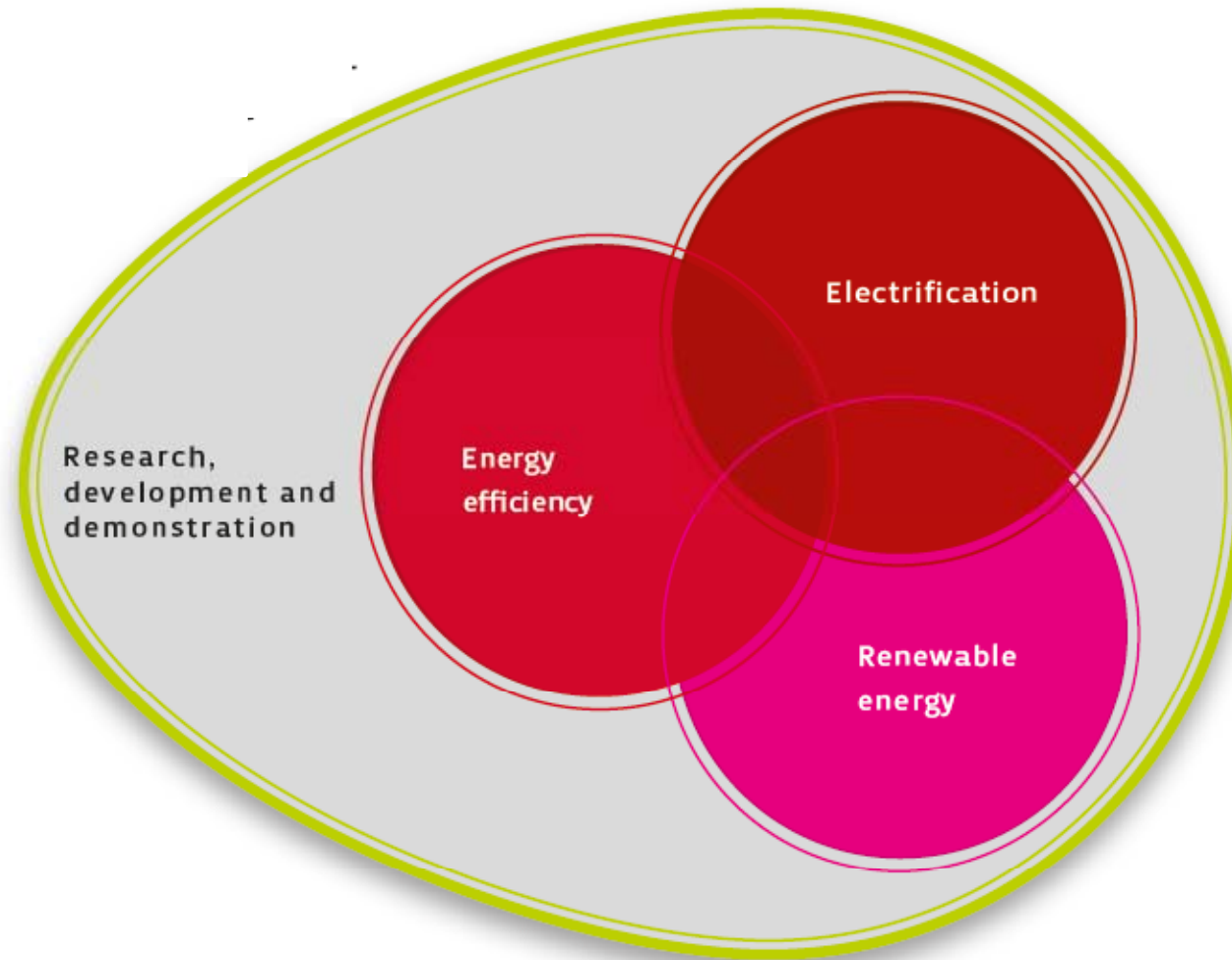
The electricity and heat supply covered by renewable energy

2050

All energy supply - electricity, heat, industry and transport - is covered by renewable energy

The initiatives up to 2020 will result in a greenhouse gas reduction by 35 pct. in relation to 1990.

Danish Energy Agreement 2012



Danish Energy Agreement 2012

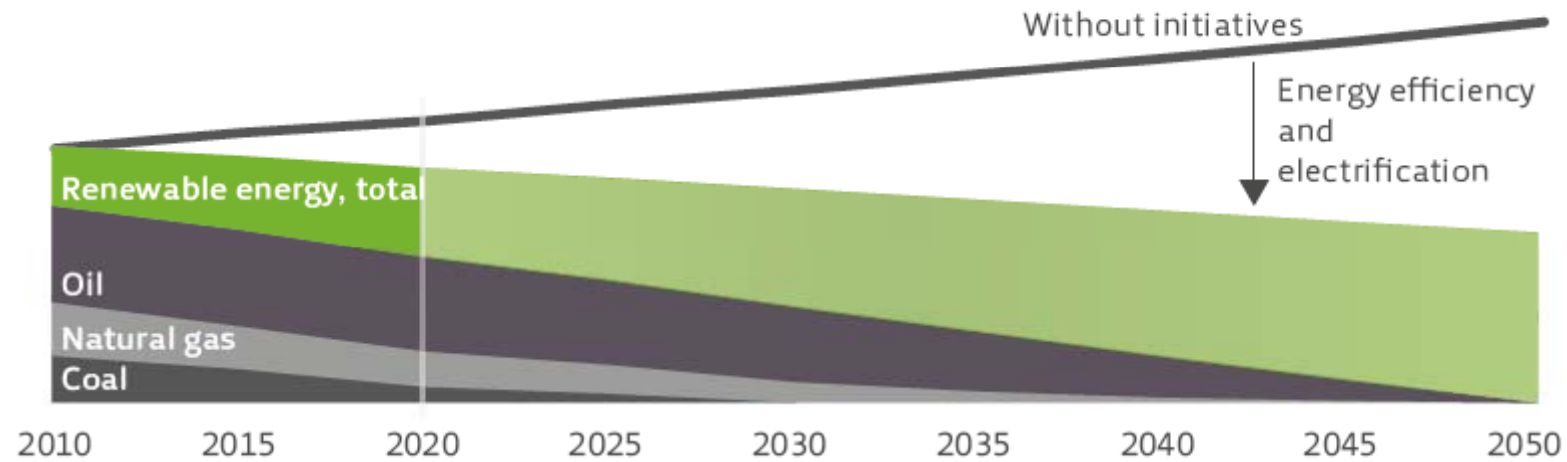


Figure 2.1 Illustration of energy consumption up to 2050

Danish Energy Agreement 2012

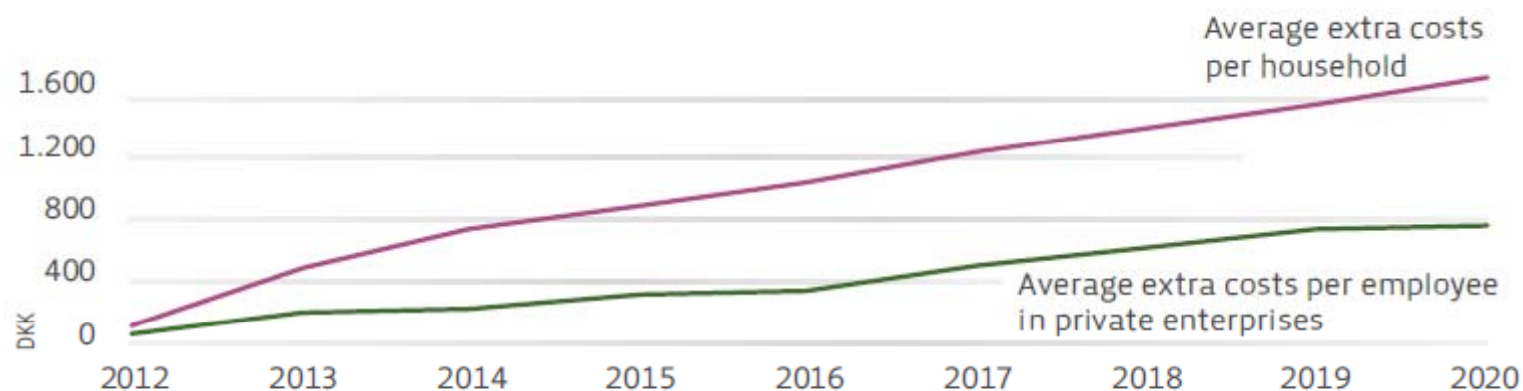


Figure 5.2 The phase-in of the costs of financing the government's energy initiatives towards 2020 (2011 prices)

Fully implemented in 2020	Total energy expenditure without proposal	Total energy expenditure with proposal	Change in relation to a situation without the proposal
Medium-sized VAT-registered office enterprise (aprox. 250 employees)	DKK 0.65 mill.	DKK 0.71 mill.	+9.1 pct.
Large industrial enterprise in energy-intensive sector (aprox. 400 employees)	DKK 100 mill.	DKK 103 mill.	+3 pct.

Table 5.4 Examples of the increased costs in enterprises as a consequence in 2020 of government's initiatives (2011 prices)

Danish Energy Agreement 2012

Initiatives to promote cost-effective green transition

- > Regular evaluation of the impact of instruments and overall evaluation every four years in order to secure progress and cost effectiveness
- > Development of economic model tools for the energy sector in order to realise a better decision base for the green transition
- > Examination of the subsidy and tax system in order to assess the need for adjustments of the existing system, including possibilities to secure the right incentives for conversion to a green and flexible energy system
- > Thorough investigation of the regulation of the Danish electricity supply sector with a view to securing incentives for green conversion, cost effectiveness, competition and consumer protection

Danish Energy Agreement 2012

Initiatives to support an international green conversion

- Efforts to increase the EU greenhouse-gas reduction target to 30% in 2020 compared with 1990 and a long-term energy strategy up to 2050, possibly with milestones
- Work for the EU to adopt an ambitious and long-term strategy towards conversion to a green energy sector in Europe, with targets for energy efficiency and use of renewable energy, including after 2020
- Push for adoption of minimum standards for energy and CO₂ taxes in connection with the revision of the EU Energy Tax Directive
- Continued efforts to have the EU adopt sustainability criteria for solid biomass
- Continued work in the UN to achieve a common global climate agreement as well as support the UN climate negotiations and bring Danish competences in the climate and energy area into play in a constructive manner, with concrete initiatives such as international and bilateral collaboration projects, tools, analyses etc.
- Push to address development, energy security and climate challenges cohesively through engagement in a number of initiatives which integrate sustainable energy supply and the climate agenda such as the UN Secretary General's Sustainable Energy for All initiative , the Rio+20 meeting in 2012 and the Clean Energy Ministerial

Green production in Denmark

- - An estimated around 22,000 enterprises in Denmark produce and sell one or several green products (i.e. environmental technologies, goods and services). This means that around one in five Danish enterprises with at least one full-time employee have green production. The green products on average account for 40% of turnover in the enterprises that sell green products.
 - The figures reveal that a broad cross-section of Danish enterprises, across all industries, produce solutions that are contributing to the transition to a green economy.

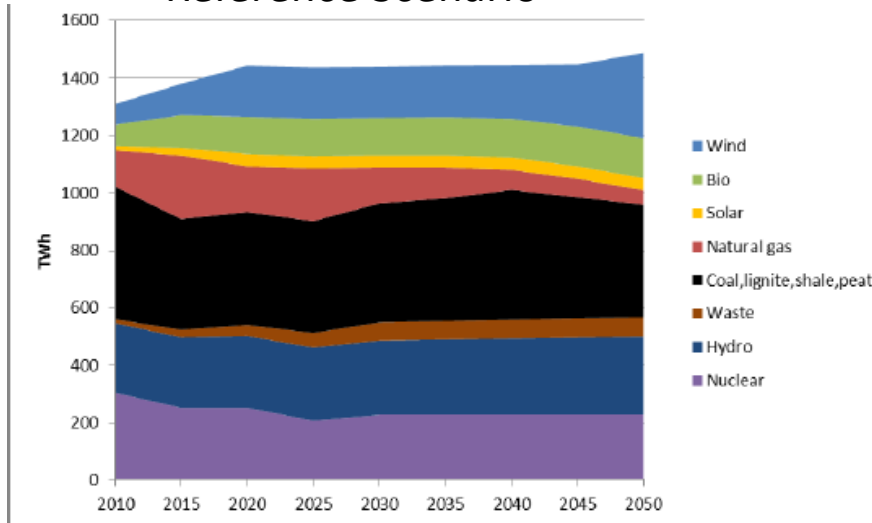
Furthermore, the figures indicate that in enterprises with green production, added value per full-time employee generally matches the average for all Danish enterprises.

Green production in Denmark

- In 2010, green production in Denmark provided a turnover of more than DKK 250 billion. This is 9.2% of total turnover of Danish enterprises with at least one full-time employee.
 - Green exports accounted for DKK 80 billion, which is 10.4% of total Danish exports. The green share of total exports increased by about 1 percentage point from 2005 to 2010.
 - Green exports to emerging markets (BRIC and NEXT11) increased substantially more than total exports of goods to these markets. However, Denmark is far below the EU15 average for green exports to these markets.

Future Energy Policy in the Baltic Sea Region

Reference Scenario



Low carbon RE Scenario

