



The Danish Climate Policy Plan

Towards a low
carbon society



August 2013

The Danish Government

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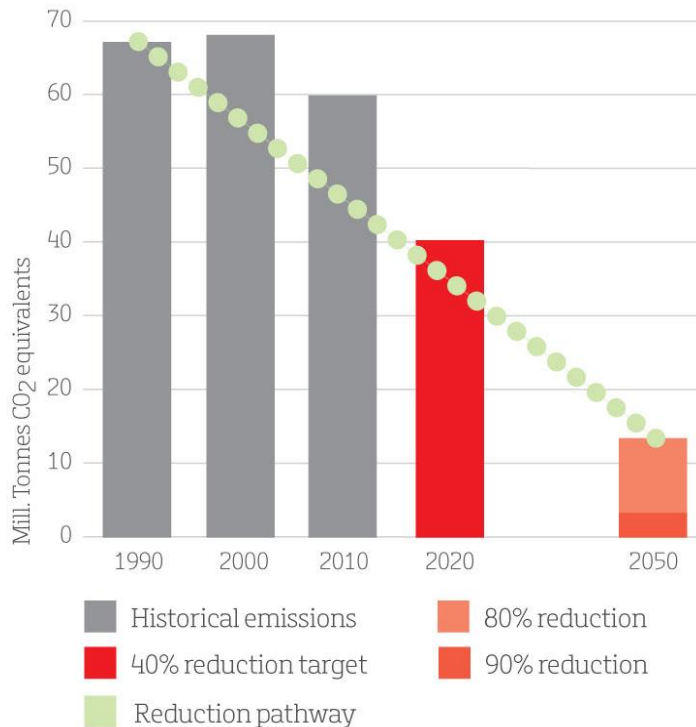
Chief Advisor

Climate and Building Policy
Department

Danish climate and energy targets

Climate:

- 80-95 % GHG reduction 1990-2050 (following EU and IPCC rec.)
- 40 % GHG reduction 1990-20
- 2020 % non-ETS emissions by 2020 relative to 2005



These are the headline results for 2020:

More than 35% renewable energy in final energy consumption

Approximately 50% of electricity consumption to be supplied by wind power

7.6% reduction in gross energy consumption in relation to 2010

34% reduction in greenhouse gas emissions in relation to 1990

Energy:

- Fossil fuel phase-out/RES conversion by 2050
- Energy sector based on 100% RES by 2035
- Ambitious energy agreement up to 2020



Decline in energy sector emissions

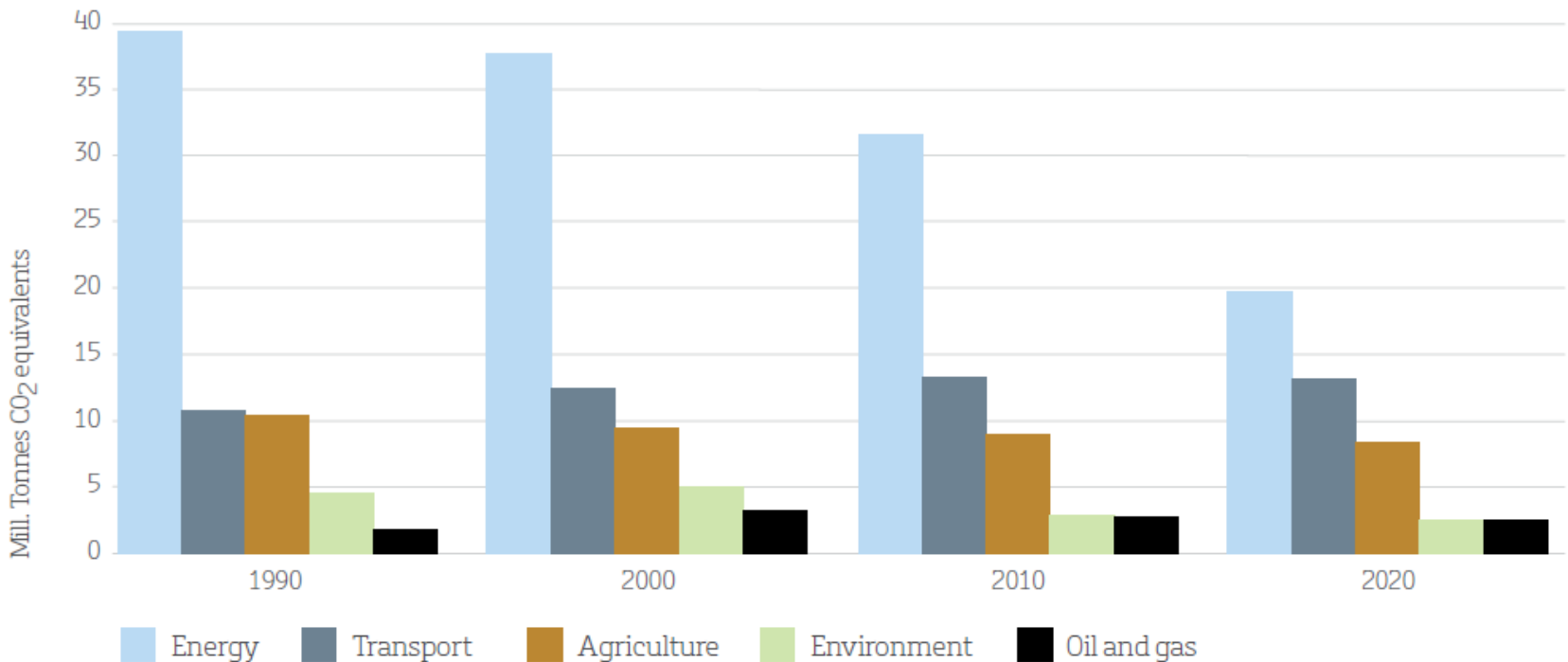


Figure. Historical and projected Danish greenhouse gas emissions for 1990 to 2020
Source: Danish Centre for Environment and Energy and the Danish Energy Agency

The Main Greenhouse Gas Emitting Sectors in Denmark

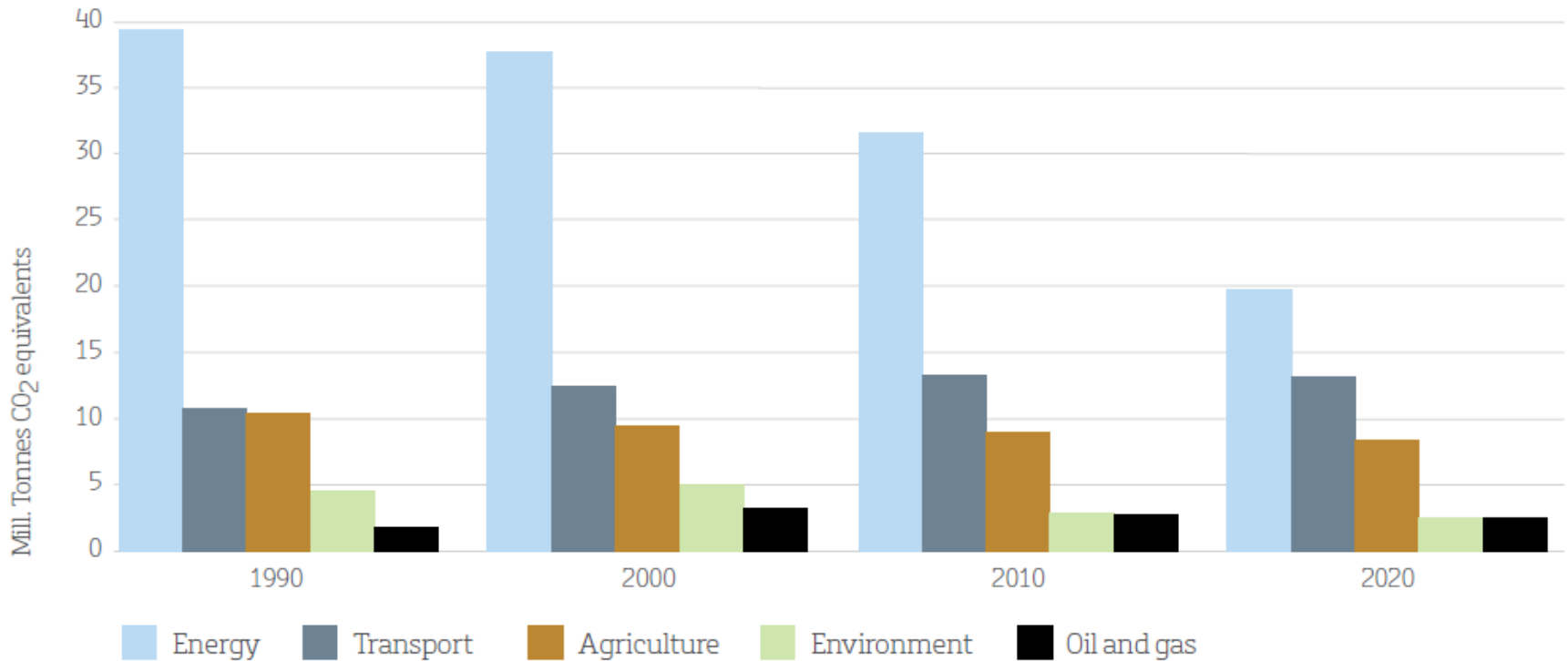


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The Danish 40% reduction target in 2020

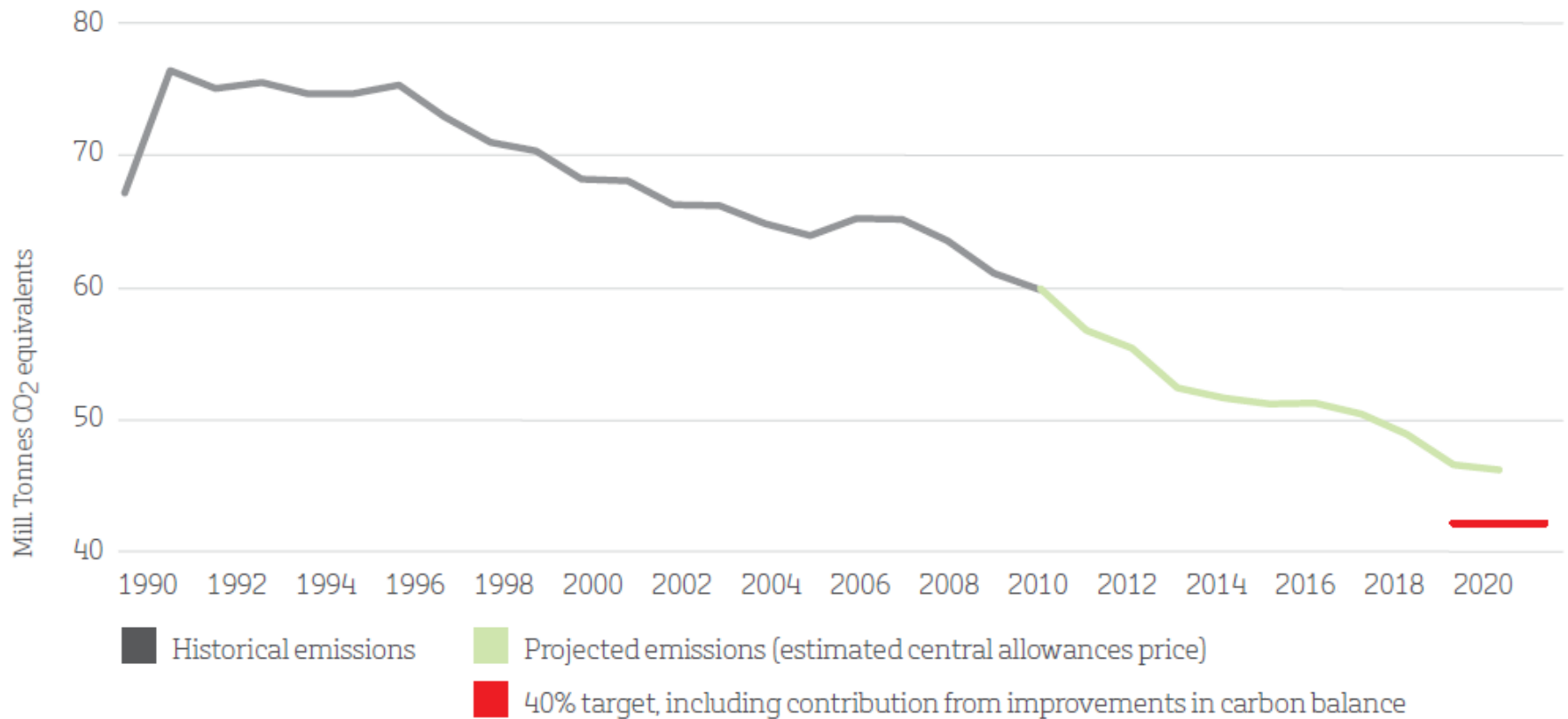


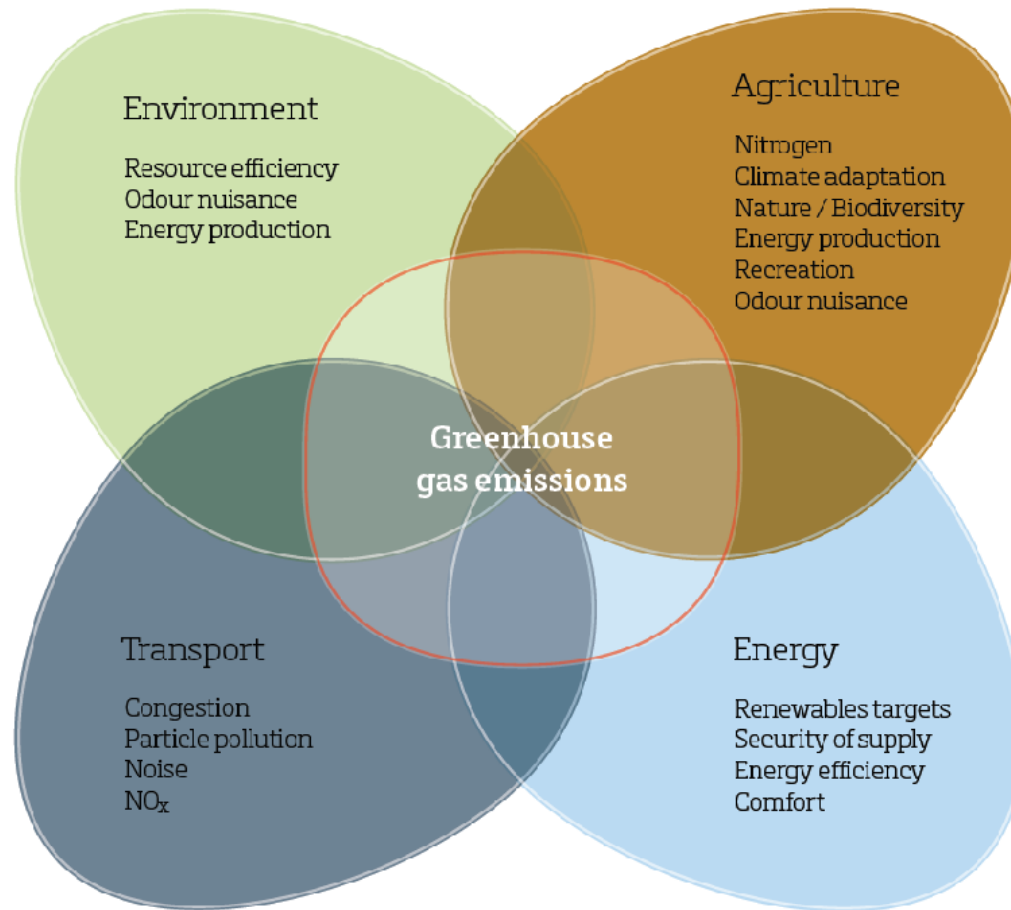
Figure: Changes in emissions, 1990-2020 in relation to the 40% reduction target

Source: Danish government Climate Policy Plan

Danish climate Policy: A two tier approach

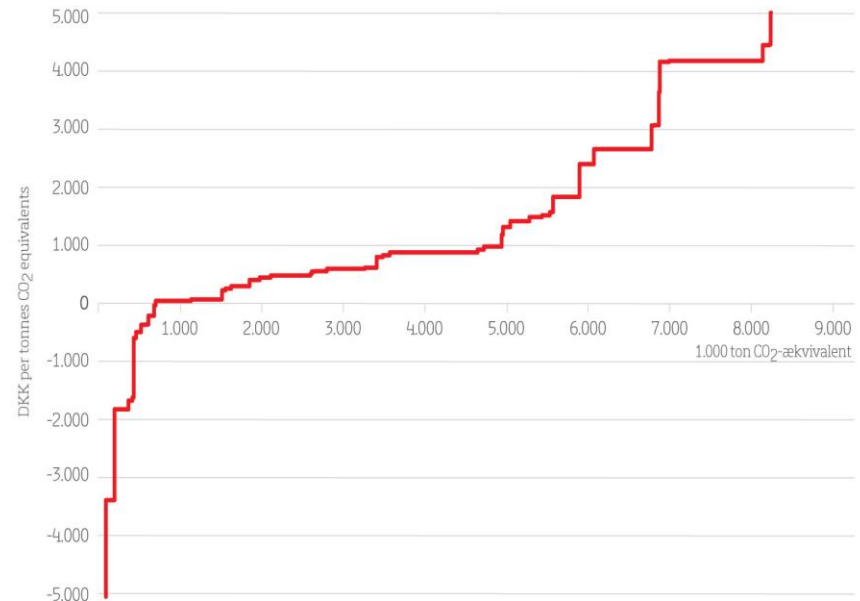
- **Pushing for ambitious action on EU level:**
 - Improving the ETS (2020 step-up and structural reform)
 - Ambitious 2030 framework (GHG, RES and EE)
 - Sector policies (EE directive, cars, agricultural policies)
- **Taking action on a national level**
 - Policy initiatives across sectors, guided by principles :
 - In line with growth and employment, competitiveness
 - Cost-effective (low socio-economic costs, policy integration)
 - Limited public financing
 - Structural effect/ supporting long-term transition

Climate Policy Synergy



Source: Danish Climate Policy Plan

Calculating costs and benefits of GHG reductions across sectors



MACC curve for reductions (including policy instruments) across energy, transport, agriculture and environment/waste sectors

Next steps

- Dialogue with all relevant players on future action based on findings in climate policy plan and catalogue of mitigation actions.
- Integration of climate policy in all relevant sector policies
- Climate Change Act in the forthcoming parliamentary year in order to establish a permanent framework for the green transition
 - secure progress in mitigation efforts reduction targets,
 - secure that assessments are based on scientific monitoring,
 - secure public access to climate policy decisions.



DANISH MINISTRY OF
CLIMATE, ENERGY AND BUILDING

DK Energy Agreement, March 22 2012

<http://www.kebmin.dk/sites/kebmin.dk/files/climate-energy-and-building-policy/denmark/energy-agreements/FAKTA%20UK%201.pdf>

Accelerating Green Energy Towards 2020

http://www.ens.dk/sites/ens.dk/files/dokumenter/publikationer/downloads/accelerating_green_energy_towards_2020.pdf

The Danish Climate Policy Plan

http://www.ens.dk/sites/ens.dk/files/policy/danish-climate-energy-policy/danishclimatepolicyplan_uk.pdf

Our Future Energy

http://www.ens.dk/sites/ens.dk/files/policy/danish-climate-energy-policy/our_future_energy.pdf

Energy Strategy 2050

http://www.ens.dk/sites/ens.dk/files/dokumenter/publikationer/downloads/energy_strategy_2050.pdf