



# ENERGY STRATEGY 2050

– from coal, oil and gas to green energy

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THE DANISH GOVERNMENT  
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# Denmark on track to meet climate targets

## Kyoto-period 2008-2012

- 21% reduction in 2008-12 compared to 1990 (overall EU target of 8%)
- Denmark is on track to fulfil this target, incl. JI/CDM credits and sinks

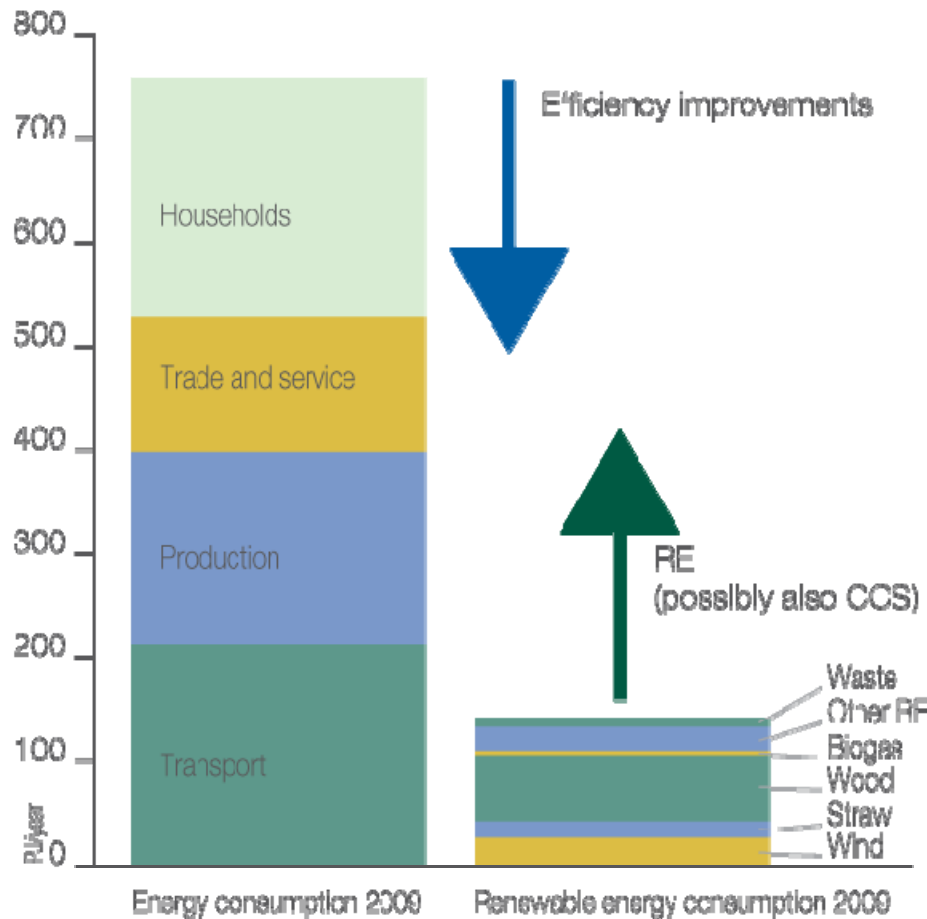
## EU Climate and Energy Package 2013-2020

- Non-ETS emissions: 20% reduction compared to 2005 (overall EU target of 10%)
- DK will meet this target, partly by strong measures in the energy sector according to Energy Strategy 2050 (ES2050)
- ES2050 will bring DK to more than fulfil the EU 2020 RE target of 30% for DK (overall EU target of 20%)

# Two challenges – and one great opportunity

1. Security of **energy supply** under pressure
2. Curb **global warming** - reduce GHG emissions
3. Growing global demand for **cleantech**

# Reaching independence...



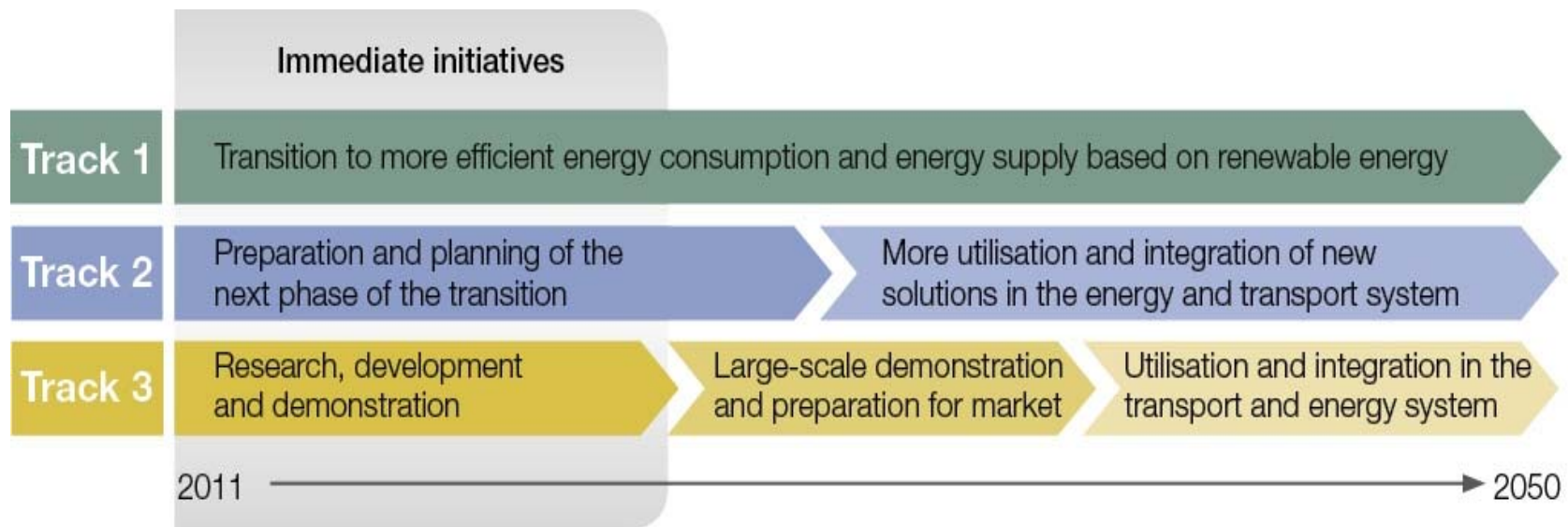
...by improving energy efficiency

...in order for more energy services to be satisfied with less energy

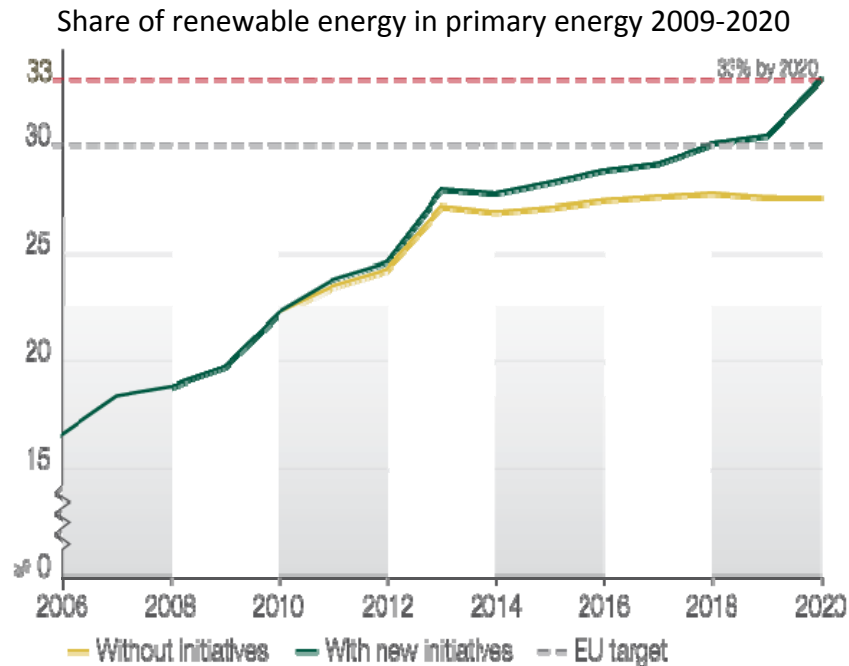
...based on renewable energy sources

# Three track approach

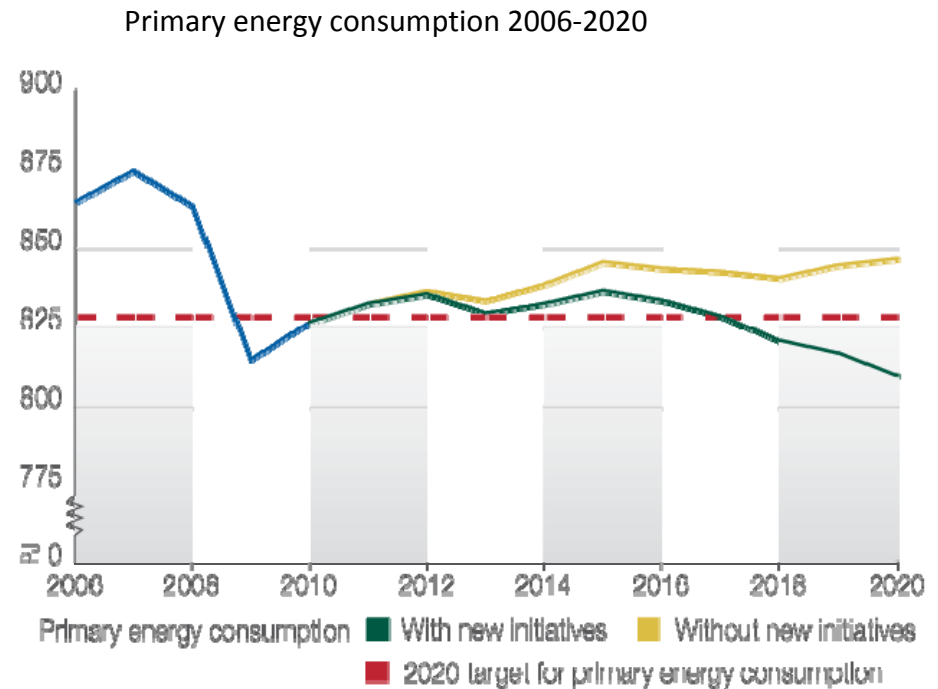
– reflecting tech maturity, prices and infrastructure lifecycles



# Denmark more than meets RE targets

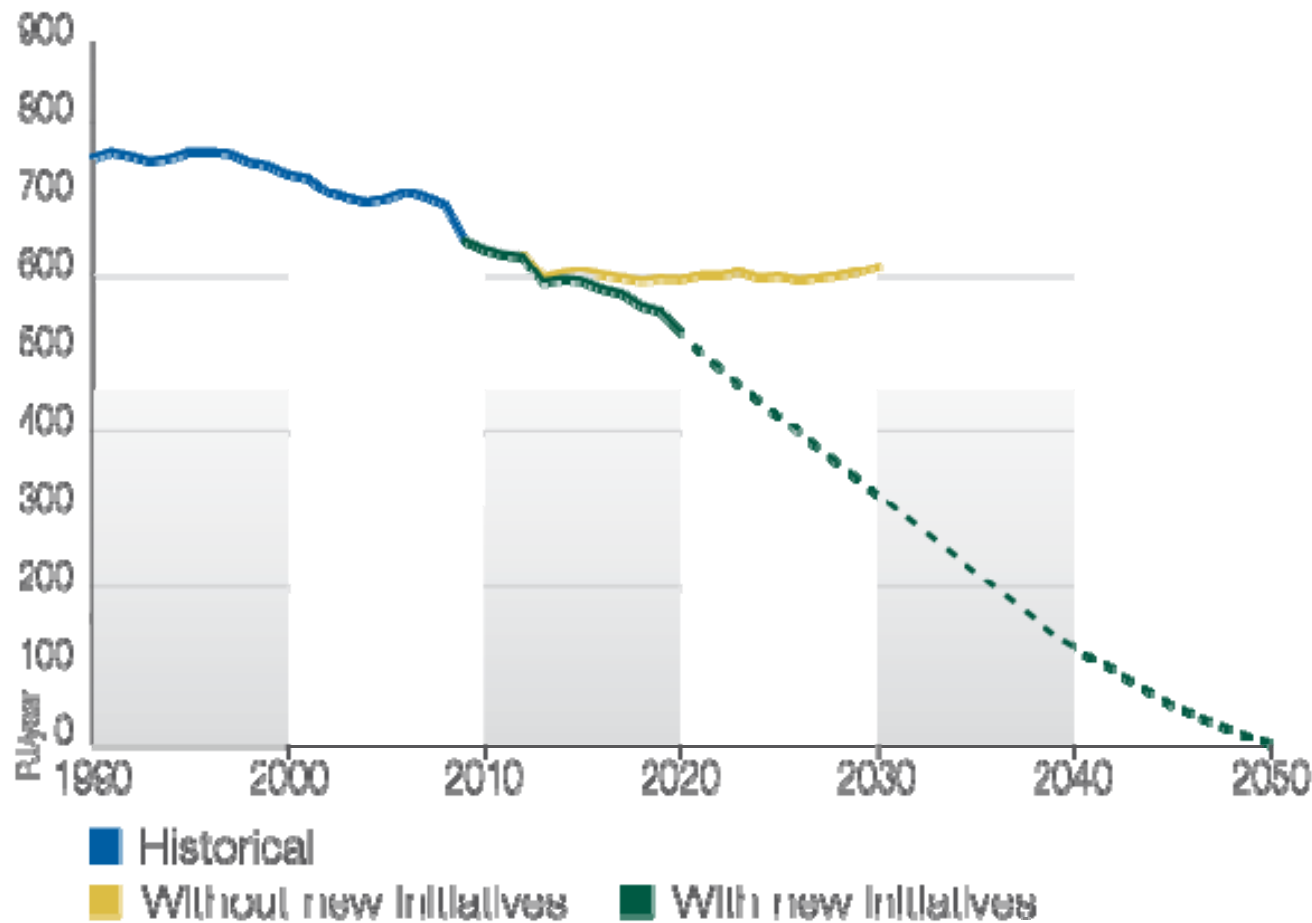


With 33%. RE in primary energy consumption by 2020, Denmark will more than meet EU 2020 RE target of 30% for Denmark



A considerable reduction in primary energy consumption contributes to phase out fossil fuels and reduce GHG emissions.

# Over-all consumption of fossil fuels on track to reach independence of fossil fuels by 2050

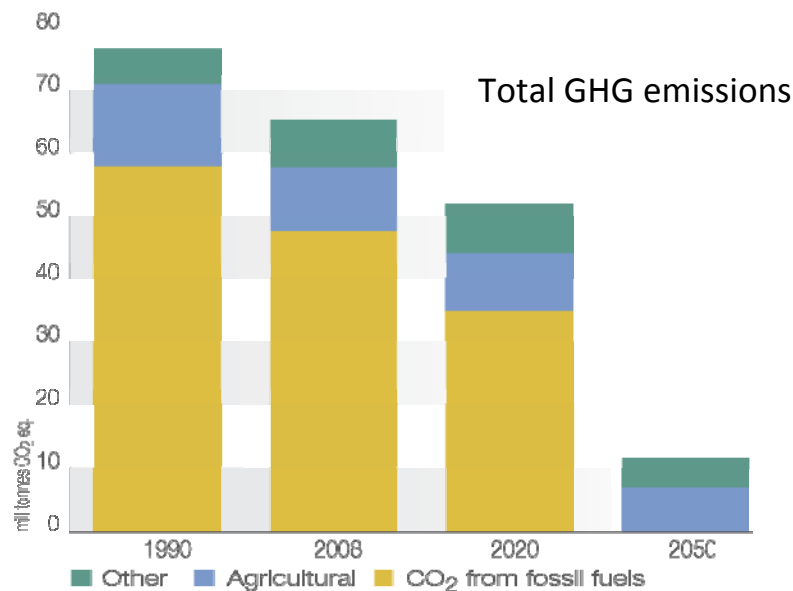
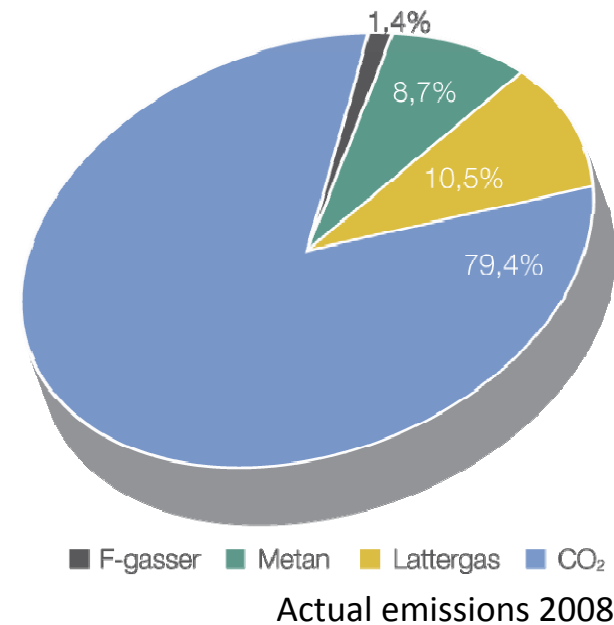


# Short and long term reductions of Danish GHG emissions as a result of Energy Strategy 2050

CO2 from energy is the main source of Danish GHG emissions.

New policy initiatives will:

- Reduce energy related CO2 emissions by more than 20% by 2020 compared to 2009
- Reduce non-ETS emissions by approx. 4-5 mio. tonnes 2013-2020, thereby contributing to meet DKs EU non-ETS target



Phasing out fossil fuels will effectively eliminate CO2 from transport and energy in 2050.