

Danish National Building Renovation Strategy

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Content of presentation

- A few words on the background
- The National Strategy

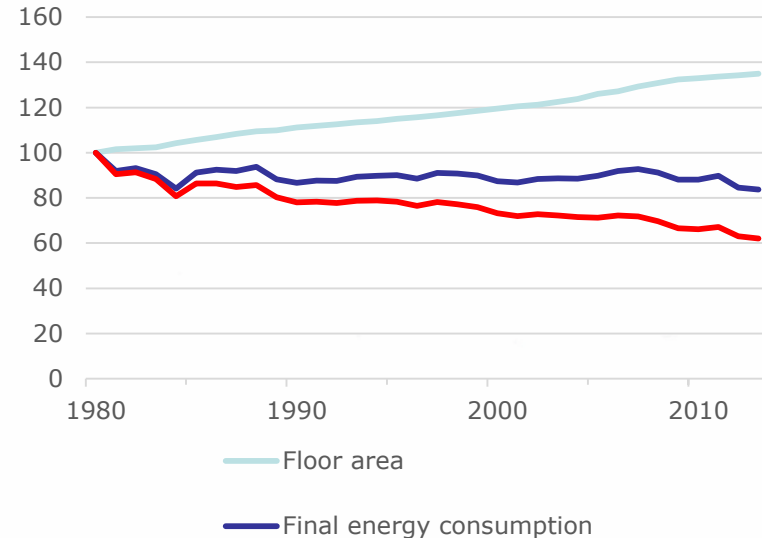
Strategi for energirenovering af bygninger

Vejen til energieffektive bygninger i fremtidens Danmark



Residential energy consumption

- Long tradition for energy policy
- Energy consumption in residential sector has been constant since beginning of 80'ies
- Policy instruments:
 - High energy prices, energy taxes
 - Regulation (building codes)
 - Subsidies/tax deductions (occasionally)
 - Stable investment framework
 - Information, awareness



Investments in renovation and retrofits

- Stable investment framework
- Relatively easy to obtain loans at competitive interest rates
- Investments in renovation and retrofits in existing buildings has been stable, 2.1 – 2.7% of total value of buildings stock per year.

Why a national Strategy?

- Successive Governments have adopted the long term aim of making the country independent of fossil fuels by 2050
- To achieve this in the most cost effective way, it is necessary to reduce energy consumption across all sectors
- 35% of all energy is consumed in buildings for heating, ventilation and hot water
- Buildings have a long life time. Most buildings in use in 2050 exist today. 80-85% of energy consumed in buildings in 2050 will take place in buildings which exist now.
- **Reducing energy consumption in existing buildings is a priority in energy policy**
- **The National Energy Policy Agreement in 2012 therefore gave the Government the obligation of publishing a national energy renovation strategy**

The underlying assumptions

- Retrofits and renovations in buildings are already taking place
- (Almost) all major building components will be replaced or renovated before 2050
- The most cost efficient way of reducing energy consumption in building is to improve efficiency whenever retrofits and renovations are taking place.

The aim of the strategy is

- To ensure that efficiency improvements take place in conjunction with retrofits and renovations
- To ensure the highest possible level of energy improvements

Potential for reducing energy consumption in buildings

- BUSINESS AS USUAL: 28 % REDUCTION
- THE STRATEGY: 35 % REDUCTION
- OPTION: 47 % REDUCTION

The Policy measures of the Strategy

- The strategy contains 21 policy measures addressing the following:
 - Revising regulation
 - Ensuring transparency in renovation market (information)
 - Making it easier for home owners to renovate
 - Raising awareness
 - Improving skills in industry
 - Removing barriers (Landlord/tenant)
 - R & D