



KOMMUNAL- OG REGIONALDEPARTEMENTET

MINISTRY OF LOCAL GOVERNMENT AND
REGIONAL DEVELOPMENT

Norwegian law to have binding standard of oil-free construction in the next 5 years

*Sindre Samsing, senior adviser,
CECODHAS-EEB conference, 9th December 2008*



Introduction

- The Ministry of Local Government and Regional Development
- Background for the goal of banning fossil fuels
- What have we done and what are we doing
- Alternatives to fossil fuels
- Challenges



MINISTRY OF LOCAL GOVERNMENT AND REGIONAL DEVELOPMENT

The Ministry is responsible for:

- Housing and building policy
- District and regional development
- Local government and the administration of elections

Background and context

- National policies to meet global climate changes and international agreements
- Soria Moria-declaration
- Report No. 34 (2006-2007) to the Storting (parliament) on Norwegian climate policy
- Agreement on climate
- Action aimed at housing and construction, "the 40 % sector", plays an important role in reducing emission of climate gas



Using legislation to:

- Lowering the energy use in buildings and emission of climate gases
- Less use of energy for heating and cooling
- Use of better energy
- Ending the use of fossil fuels for heating

But also:

- In combination with economic incentives

Past – present - future

- Revised technical regulations in 2007
- The proposition for a new building act is in the parliament
- Currently working on new technical regulations
- Revising technical regulations more frequently in the future. At least every 5th year

Main points in the new energy requirements (TEK 07)

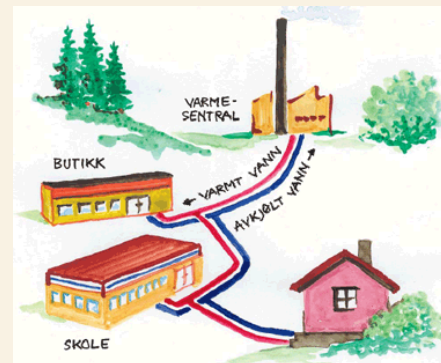
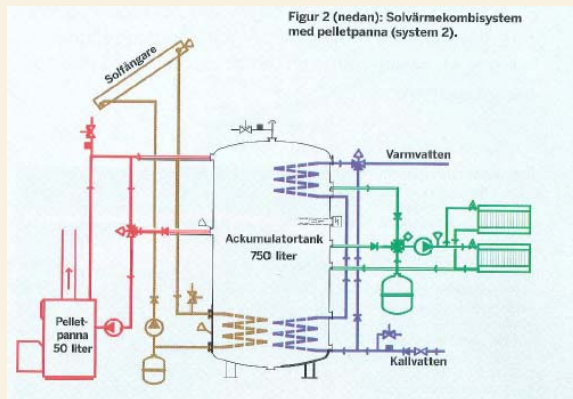
- 25 % less total energy demand in all new buildings, including hot water, lightening, equipment etc
- 40 % increase in the specific requirements concerning U-values, glass area, thermal bridges, air tightness etc
- Buildings must be designed and built to accommodate minimum 40 % of the energy demand for room- and water heating to be supplied by renewable energy sources (alternative energy carriers to that of electricity and/or fossil fuels)

The next step...

- Proposition for new building act demands that buildings must be designed and constructed in a way that secures responsible use of energy
- Supplementary regulations will be given in the new building regulations, TEK 09 (or more likely 2010?)
- Strengthening the requirement of the energy for room- and water heating to be supplied by renewable energy sources
- As work is in progress we can not give details but one of the aims is to make regulations that it rules out fossil fuels for base load

Possible alternatives

- Thermal sun collector
- District heating
- Local heat plants based on bio-energy
- Heat pumps
- Pellets
- Wood stove
- And.....



of course...

Build better houses that need less energy



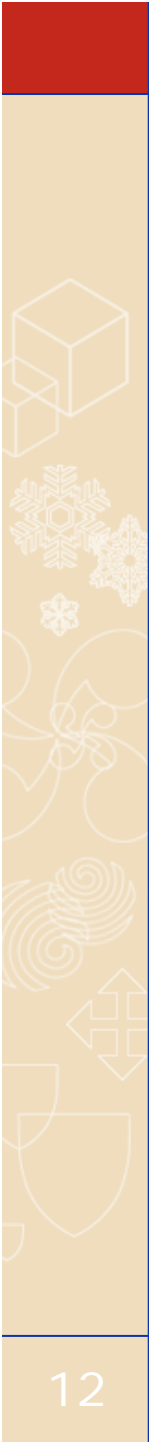
I-box 120: Steinsvik arkitektkontor
Photo: Ravn Steinsvik



Løvåshagen: ABO PLAN & ARKITEKTUR
Photo: Ecobox

Some possible challenges

- Existing buildings
- Sectoral interests
- Legal issues, national and international
- “New” technology and the public



Thank you for your attention

sindre.samsing@krd.dep.no