

# Programs for Energy Efficiency

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# Successful steps in Energy Efficiency Strategy and Programs (Czech experience)

- Energy labels on white goods
  - 40 to 50% savings in refrigerators
- Energy audits in Public sector
  - Last 10 years: 10 to 20% decrease of energy intensity
- Financial incentives for insulation of buildings
  - Investment subsidies – public sector
  - Interest rate subsidies – residential sector
- Building codes (since 2003)
  - New buildings have to increase efficiency

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# Financial incentives in the National Energy Efficiency Program

- ***Energy plans for cities and regions***
  - *Feasibility studies on EE projects in industry*
  - ***Energy services: Tender documentation for „EPC“ (Energy performance contracting) project***
  - *Implementation of Energy Management system in an industrial plant*
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- ***Energy Consulting and Information Centers for public***
  - *Information materials, Seminars, Conferences, Publications, Handbooks dealing with Energy Efficiency and/or Renewables*
  - ***Energy Audits and Energy Performance Certificates***
  - *Investment support:*
    - *Insulation of buildings, cogeneration, energy saving measures in public sector or industry, renewable energy technologies*
  - *Interest rate grants:*
    - *Insulation of residential buildings*
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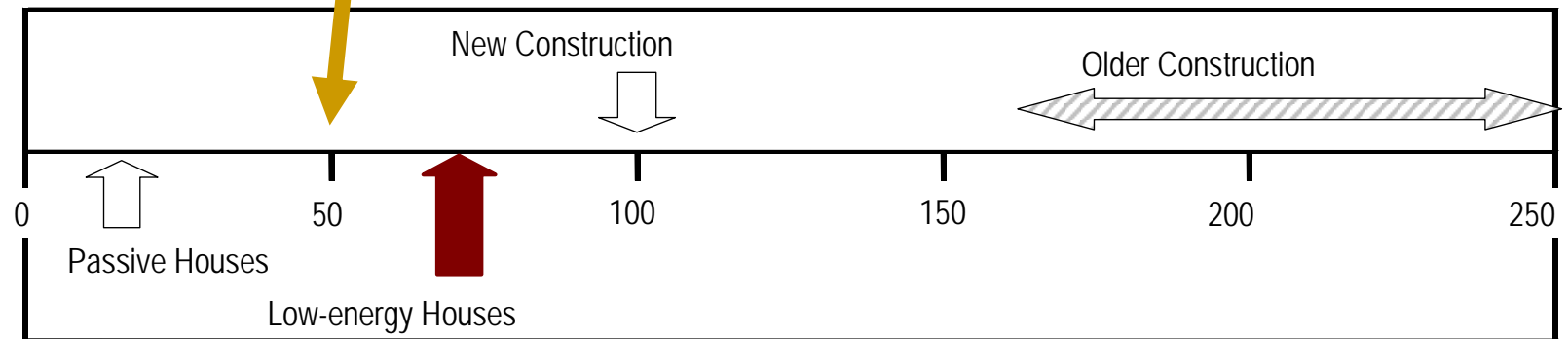
# Municipal energy planning

- Energy plans for Regions and large cities are mandatory (according to the Energy Efficiency Act approved in 2000) => legislative template
- Major mistake in the very beginning: low interest in demand side (result = overcapacity on supply side)
- Now demand side prevails and energy efficiency in buildings becomes the most expensive part of the energy program for municipalities
  - Current building stock
  - New buildings

*New construction:*

*Low-cost low-energy buildings*

Specific energy consumption for heating in residential  
buildings ( kWh/m<sup>2</sup>, year)



# Bytový dům pro město Sušice



# Rodinné domy





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Thank you for your attention

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