

KEY FIGURES on BUILDINGS, ENERGY for HOUSEHOLDS



Twinning Project- EU - Turkey
Improvement of Energy Efficiency
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Key Figures, Buildings, Energy, Households

- 8,7 Millions Buildings, 86% Residential
- 400 000 new dwellings in year 2005
- Gas networks expanding fast to more cities
- Energy 16% of household budget (2002)
(*heating+electricity+transportation fuels*)
- Gas price increasing, and it will continue
- Electric Power shortage announced
- Regional Electricity Distribution networks, soon privatized
- Uncertainty about energy pricing after 2010-3

Energy and Households

- Income of Households - Survey 2002
- 16,5 millions households, 61% urban
- Household annual income, 20% groups
- Low income groups : 2800 , 4700
- Medium income group: 6700
- High income groups : 9800 , 17500
- Heating system for URBAN dwellings:
 - --Mainly stove for Low to Medium incomes
 - --30 to 52% Central heating or Kombi for higher incomes

Ownership, Household, Heating Budget....

- Mean area of Urban Dwelling 82 to 113 m²
- Type of Urban Dwellings:
- House : 35%, but more for low income
- Apartment: 60%, above 75% for high income
- Ownership: 64% owner, 27% tenants
- Average annual residential use of electricity: 1850 kWh
- Ankara: annual use of gas : 1850 m³/year
- 2002 Household budget for elec + heating: 8,5%
- 2002 Mean Heating budget: 33 to 93 MTL/month
- Strong recent increase, variations due to climate
- Published Degree days: indexed heating contracts possible
- Joint Owner ship Law expected to be revised (Article 44)

Buildings for a sustainable development

- Today oil at 75\$/barrel....
- Gas price & electricity prices will increase
- A building is made for 50 – 100 years
- Comfort expectations are increasing
- Innovation and anticipation is a must
- Urban planners should promote energy efficiency
- For less cost, less pollutions, more local jobs

Energy planning for sustainable cities



- More data on building sector available from TÜRKSTAT
- Mixing tertiary & housing save energy, keep a social mix
- Let us talk together & thanks you for your attention
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