



ENERGY EFFICIENCY – ENERGY SOURCE IN THE REPUBLIC OF MACEDONIA

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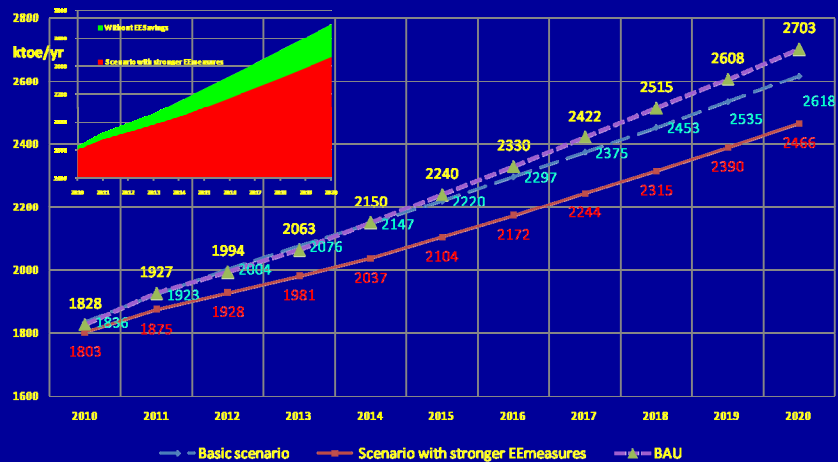
Basic data



- 25713 km²
- 2.1 million inhabitants
- Energy supply is based 55% on domestic fossil fuel and hydropower
- Gross energy demand is cca. 130 000 TJ
- 65 GJ per capita
- cca. 600 M€ for imported fuel and electricity

STATEMENT – Necessity of Preparation of strategic documents -

Final Energy Needs



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Energy Efficiency

- ❖ EE not means a simple energy savings
- ❖ EE is not equal to renewable sources
- ❖ Between EE and Environmental Protection is the sign of =
- ❖ For the R of Macedonia it is not a simple obligation – it is necessity
- ❖ For the R of Macedonia EE is viable, profitable ecology friendly resource

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STRATEGIC PRIORITIES

STATEMENT –

Necessity of Preparation of strategic documents -

- Reliable energy supply
- Sustainable economic development
- Competitiveness of the economy

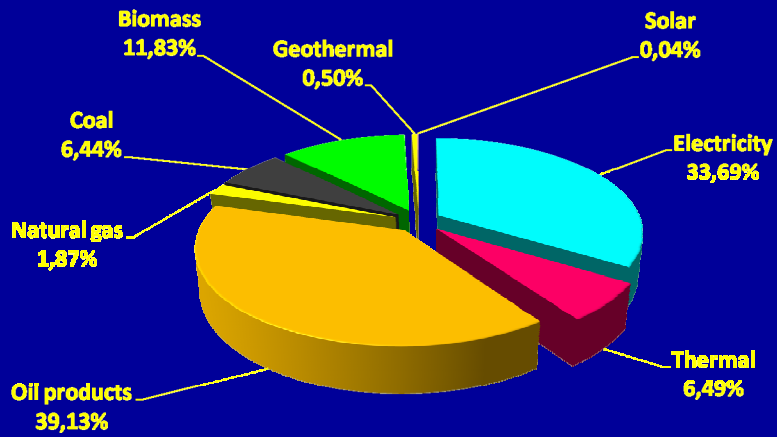
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Strategic measures- Harmonized with EU directives

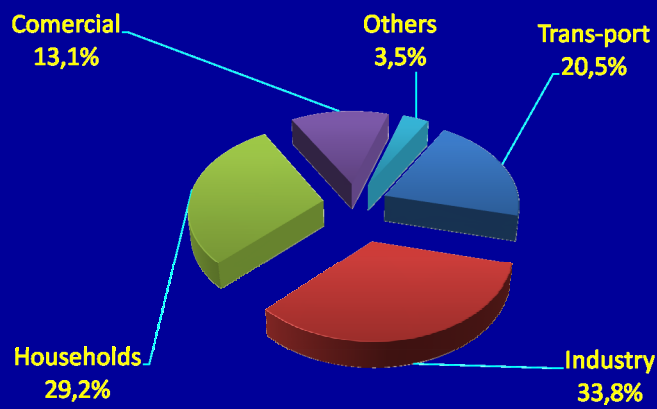
- Reduction of dependence on imported fuels through and electricity consumption for non-productive use
- Modernization of the energy infrastructure, and diversification of energy supply
- Energy sector management and training, including technology transfer
- Stimulating participation of the private sector to supply services for energy efficiency improvements on a commercial basis.
- Promoting energy efficiency as the optimal measure to cope with energy poverty
- Investing in the scientific research, education, and promotion of high efficient technologies and appliances

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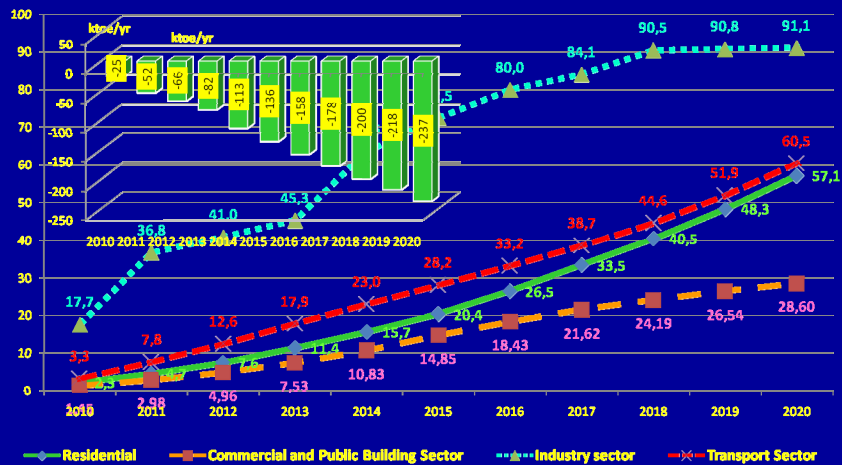
Energy Carriers



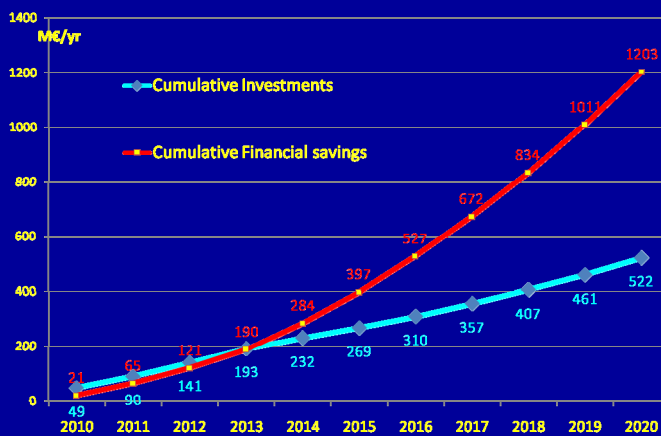
Final energy consumption by sectors



Energy saving potentials- Priority sectors

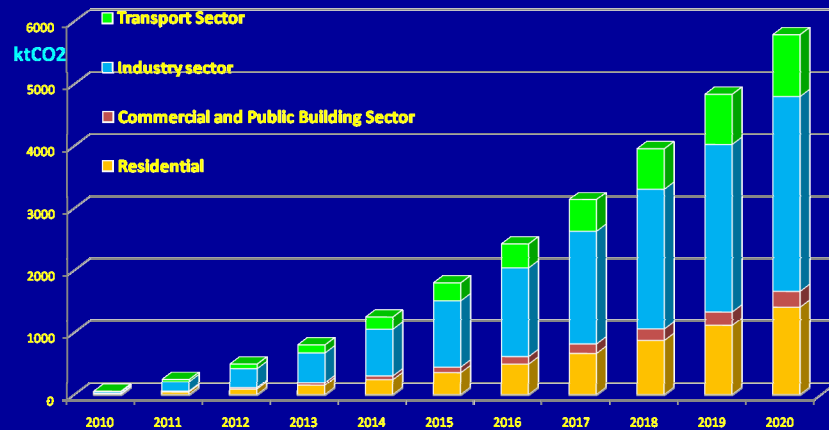


Cumulative economic performance of energy saving investments





Reduction of CO₂ emission



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EE-tool to cope energy poverty

- ASSISTANCE PAYMENTS –
provided directly to poor families
- SOCIAL BLOCK-TARIFFS –
allow users of small amounts of energy to pay a low unit price for it
- ENERGY-EFFICIENCY PROGRAMS
are superior compared to previous - they only need to be provided to a household one time and thus reduce or eliminate the need for fuel assistance payments; they improve comfort as well as energy efficiency; and by reducing energy bills they free up money for low-income families to use on other needs.

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Instead of message

- Can't and must not alone change the world!
- It is enough to change our own actions!
- To allow our example to inspire others to do the same!
 - Small simple actions like:
replacing light bulbs with more efficient, choosing a car that consumes less fuel, using a bicycle, to insulate the house
are those that make changes!

So - let's start!