



REPUBLIC OF MACEDONIA
MINISTRY OF ECONOMY

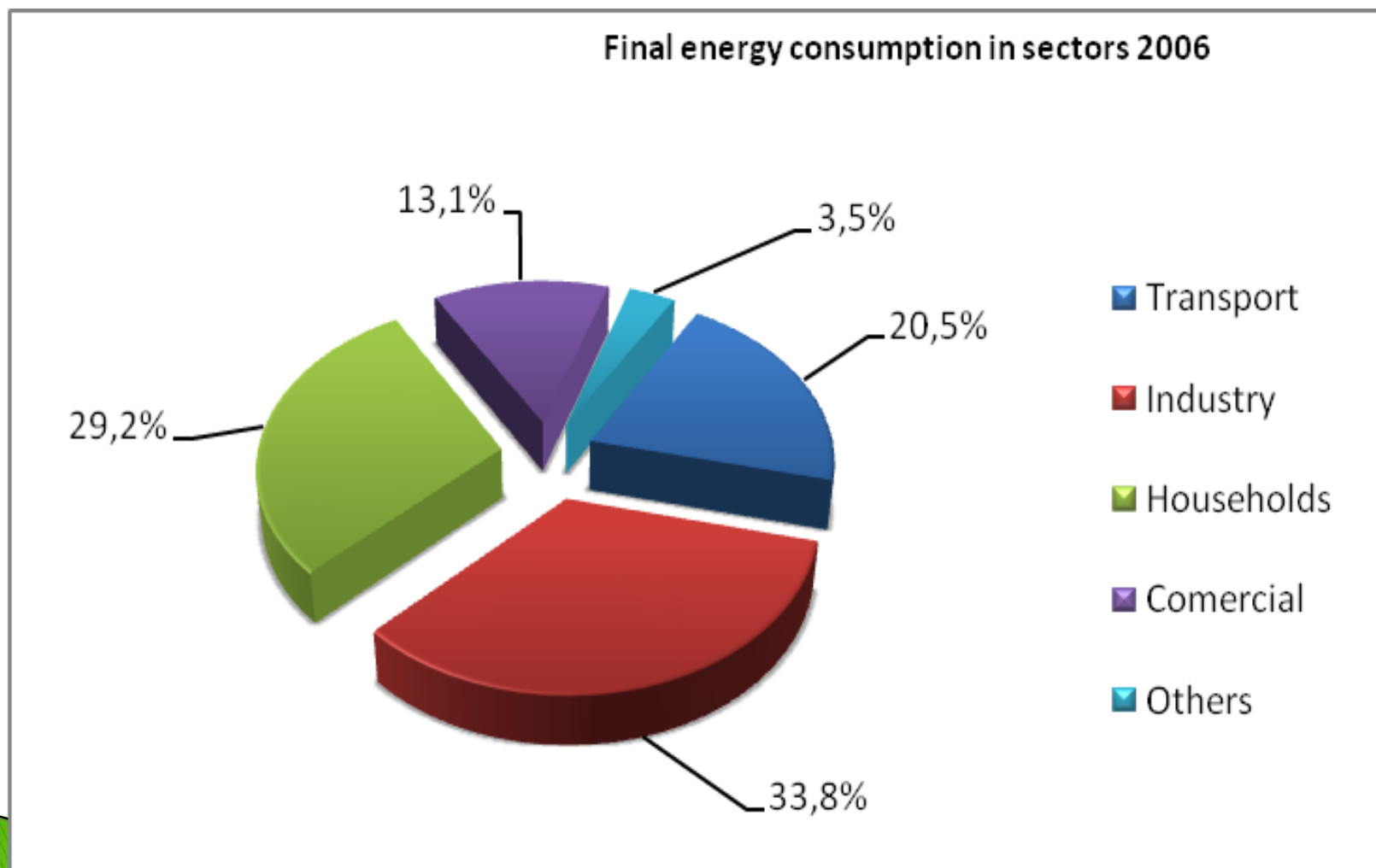


ENERGY EFFICIENCY POLICY IN THE REPUBLIC OF MACEDONIA

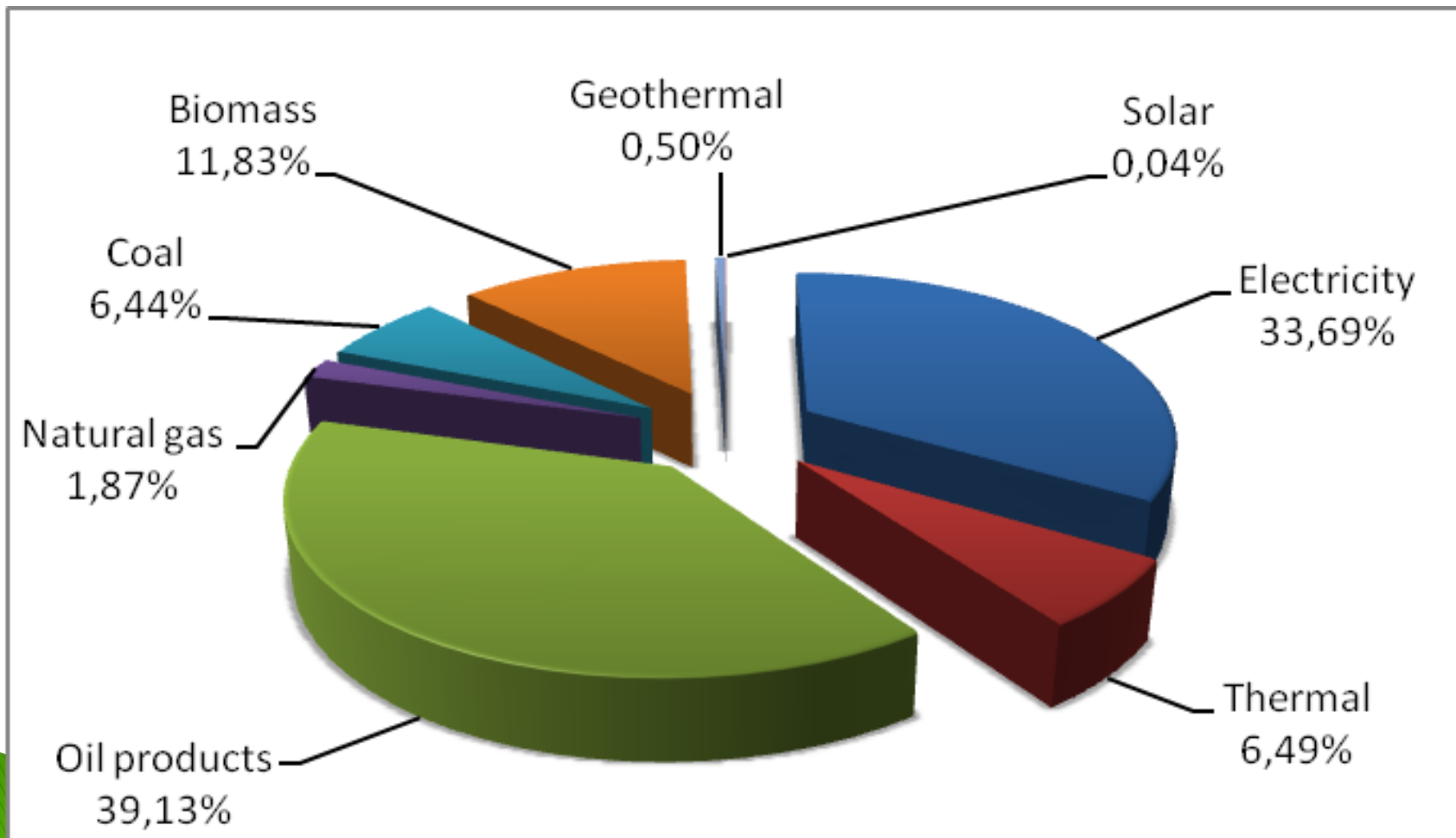
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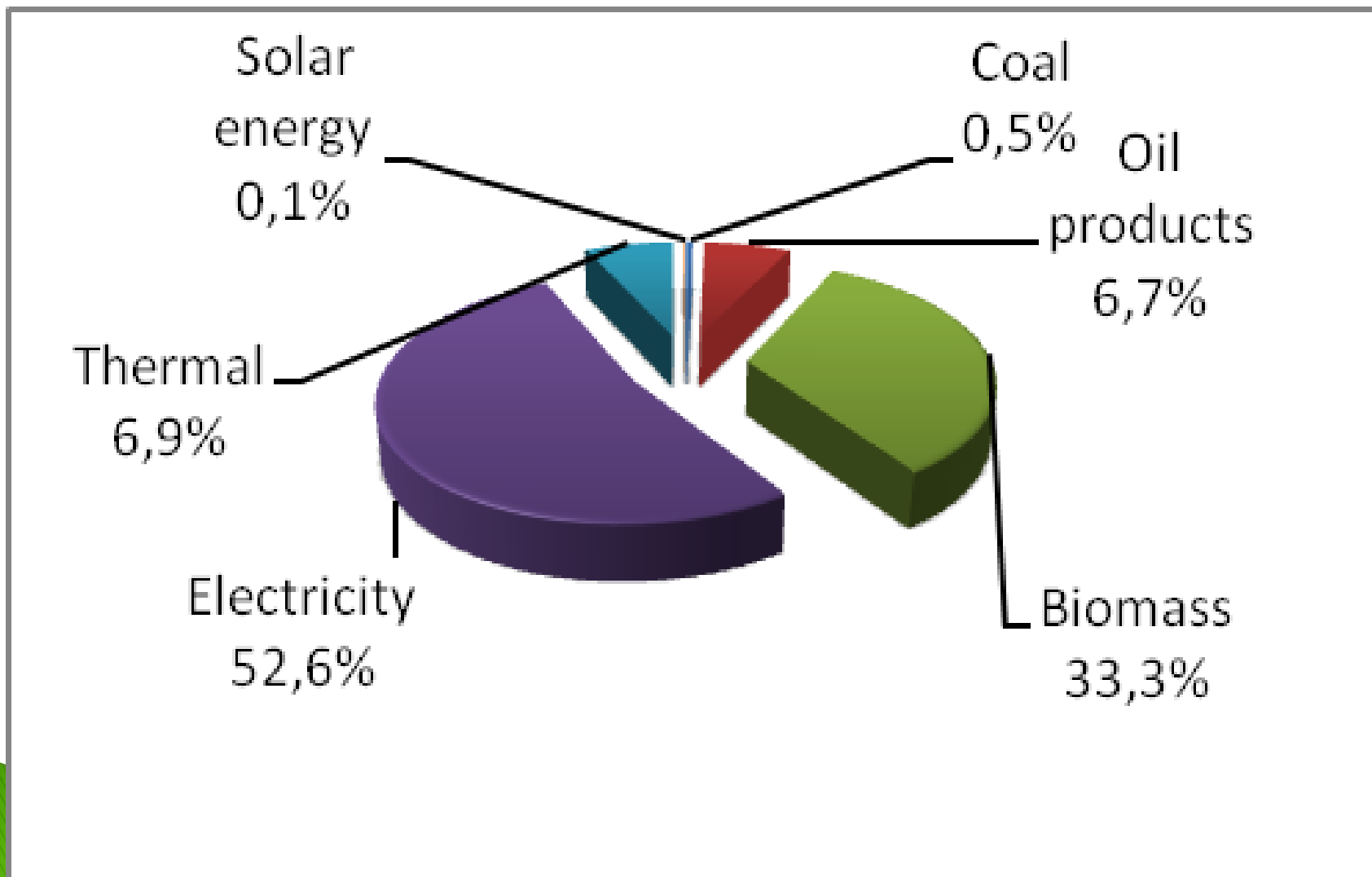
FINAL ENERGY CONSUMPTION BY SECTORS IN 2006



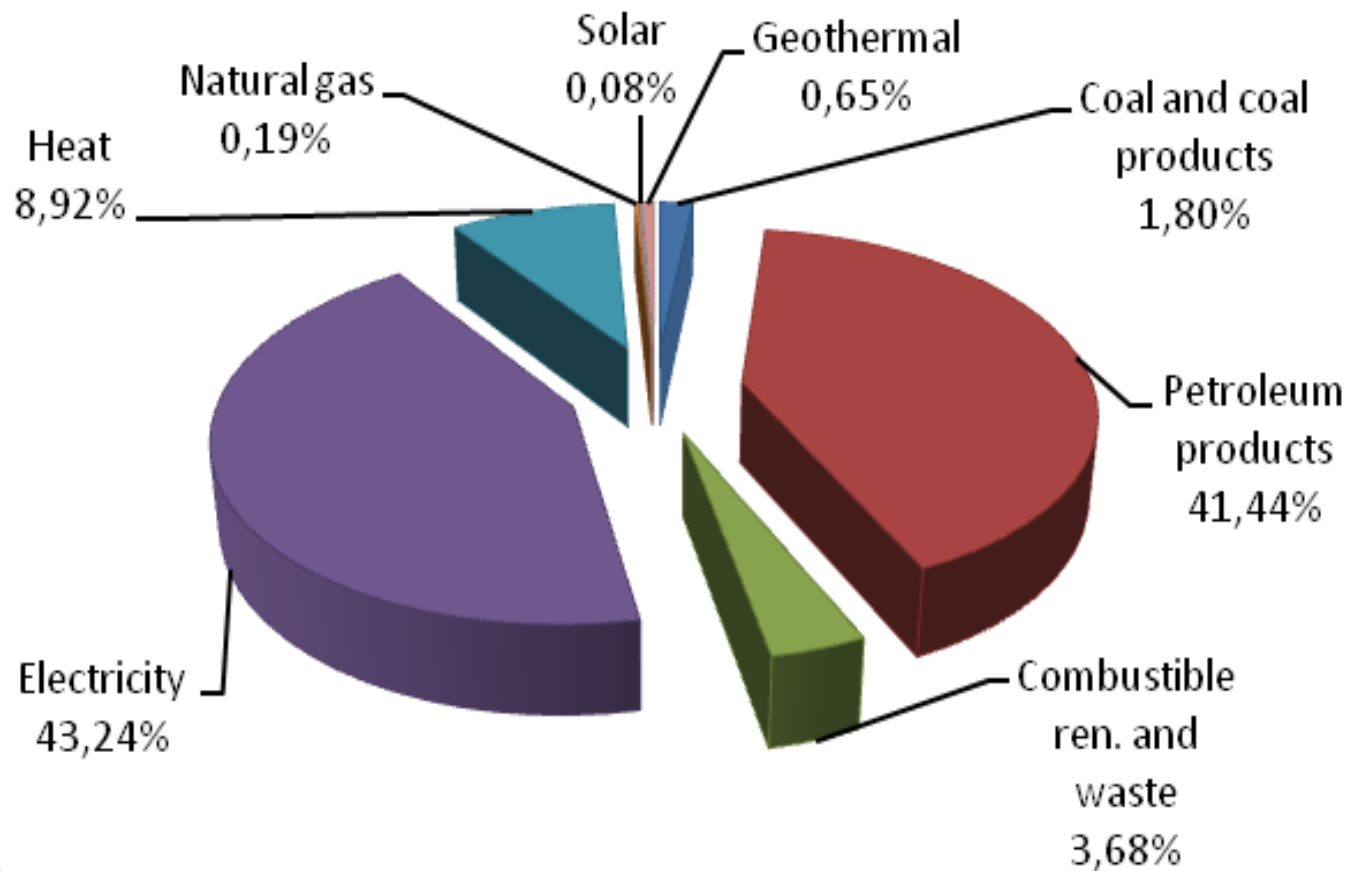
FINAL ENERGY CONSUMPTION BY FUEL IN 2006



RESIDENTIAL SECTOR: Percentage share of the primary energy sources consumed in 2006



COMMERCIAL SECTOR AND SERVICES: Consumption of energy by primary energy source



INDUSTRY: Percentage share of the primary energy sources consumed in 2006



- ▶ Electricity: 33%
- ▶ Oil products: 32 %
- ▶ Coal: 19%
- ▶ Thermal energy: 10%
- ▶ Natural gas: almost 6%
- ▶ Wood: less than 1%

TRANSPORT: Percentage share of the primary energy sources consumed in 2006



- ▶ Oil and oil products: more than 99%
- ▶ Electricity: less than 1%

STRATEGIC DOCUMENTS, THEIR UPDATE AND PREPARATION



- ▶ Energy Efficiency Strategy of the Republic of Macedonia until 2020
- ▶ Program for realization of the Energy Efficiency Strategy of the Republic of Macedonia until 2020
- ▶ National Energy Efficiency Action Plan (NEEAP)
- ▶ Energy Strategy of the Republic of Macedonia
- ▶ Program for realization of the Energy Strategy of the Republic of Macedonia

PREPARATION OF NEEAP FOR THE PERIOD 2009-2016:



- ▶ The Directive 2006/32/EC of the European Parliament and of the Council on energy end-use efficiency and energy services (ESD) requires Contracting Parties of the Energy Community Treaty to prepare three National Energy Efficiency Action Plans for the period 2009 – 2016
- ▶ Republic of Macedonia has to adopt a national indicative energy savings target of not less than 9 percent of the final inland energy consumption by 2016, i.e. to ensure energy savings to the amount of **147,2 ktoe**

OVERALL NATIONAL TARGET: National Indicative Energy Savings Targets in ktoe



National indicative annual energy savings target 2016		147,2
National intermediate indicative annual energy savings target 2012		65,4
Packages of measures to improve energy efficiency planned for achieving the target by sectors	Annual energy savings expected by end of 2012	Annual energy savings expected by end of 2016
Residential sector	11,83	33,3
Commercial and services	7,25	19,72
Industry	41,96	81
Transport sector	12,58	33,23
Total ESD energy savings expected:	73,63	167,23



OVERALL NATIONAL TARGET

Total energy savings over the period until 2016:

- In the residential sector: 122,6 ktoe
- In the commercial and service sector: 73,41 ktoe
- In the industry: 364,8 ktoe
- In the transport sector: 126,15 ktoe
- **Total of all sectors: 686,96 ktoe**

INPUT FOR REALIZATION OF THE NEEAP



To achieve the savings committed to by the indicative target substantial efforts will be necessary as described below:

- Significant financial resources need to be mobilized;
- Ongoing energy efficiency improvement efforts underway with the State support need to be expanded;
- The energy market has to be further liberalized, especially on the supply side of energy services; and
- Public-private partnerships in the field of energy efficiency to be developed.

LEGISLATIVE FRAMEWORK AND ITS IMPROVEMENT



- Energy Law (Official Gazette No. 63/06, 36/07 and 106/08)
- Law of establishment of the Energy Agency of the Republic of Macedonia (Official Gazette No. 62/05)
- Rulebook for energy efficiency in buildings (Official Gazette No. 143/08)
- Rulebook for home appliances energy efficiency labeling (Official Gazette No. 85/07)
- Rulebook for efficiency requirements of the hot water boilers combusting liquid and gaseous fuels (Official Gazette No. 13/07)
- Rule book for acquiring status of preferential producer of electricity from CHHP (in final stage of preparation)
- Rule book for issuing guarantees of origin of electricity from CHHP (in final stage of preparation)

RESPONSIBLE AND INVOLVED INSTITUTIONS AND OTHERS



- Ministry of Economy
- Energy Agency of the Republic of Macedonia
- Universities
- Macedonian Academy of Arts and Science
- Non-governmental organizations
- Other involved stakeholders and responsible institutions



THANK YOU FOR YOUR ATTENTION!

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