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# **CZECH ENERGY POLICY 2009 PROPOSAL**

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# CZECH ENERGY POLICY – 2009 PROPOSAL

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## **Currently valid Energy policy**

- 2004

## **Discussion on Energy policy update**

- Pačes' expert commission
- report published in 2008
- politically sensitive issue

## **Proposal of revised Energy policy**

- submitted by Ministry of Industry and Trade in October 2009
- horizon 2050

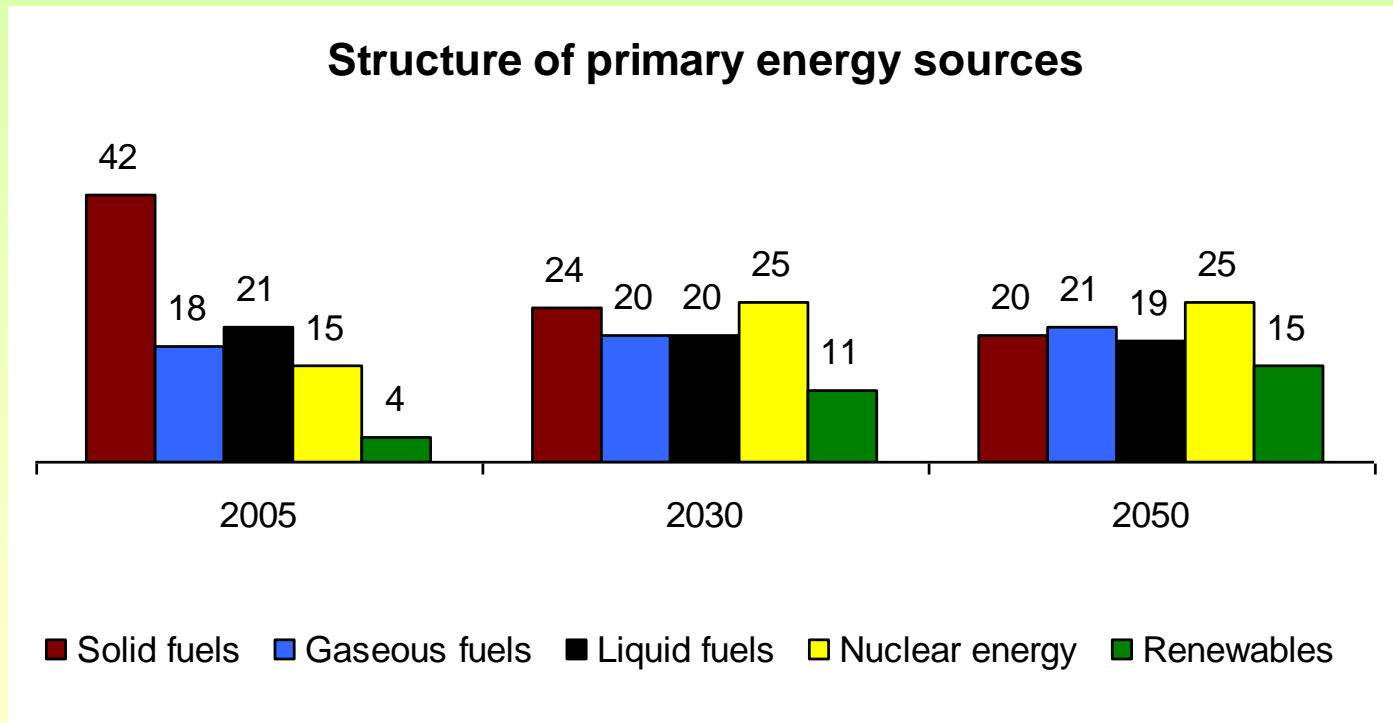
# PRIMARY ENERGY SOURCES

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**2005: current state**

**2030: outlook**

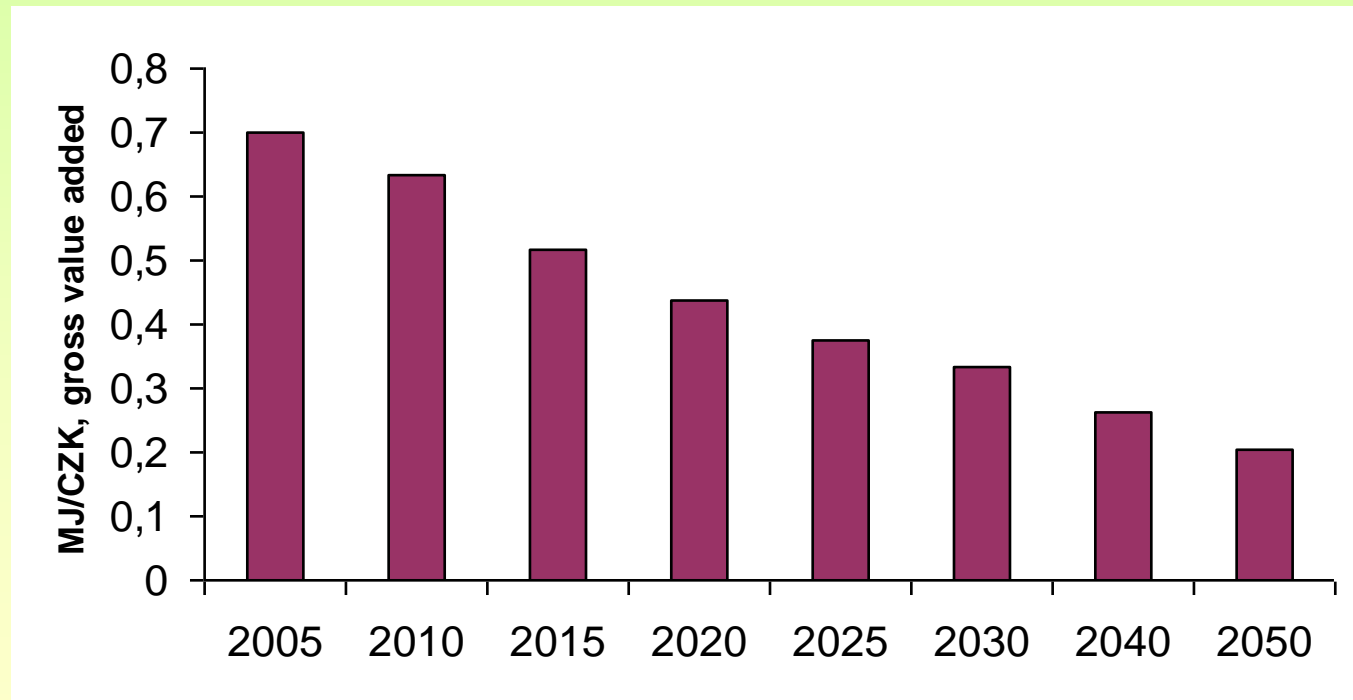
**2050: vision**



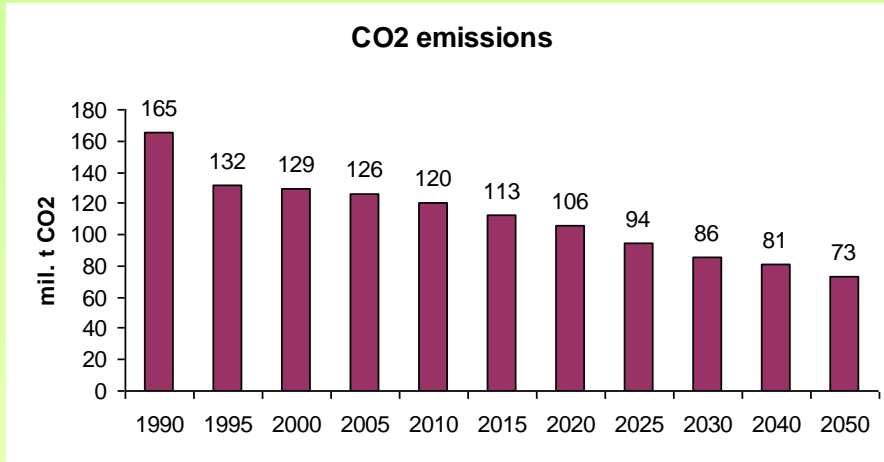
# REDUCTION OF ENERGY INTENSITY

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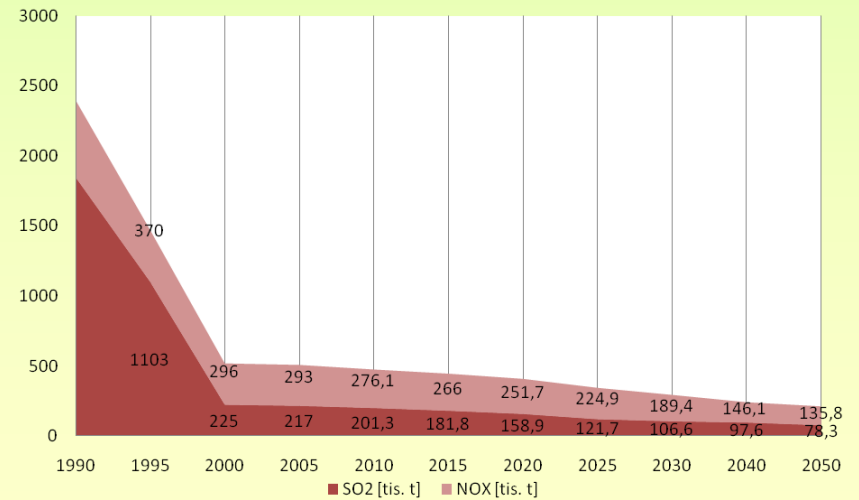
- ❑ **2020: energy intensity of national economy on the level of EU15**
- ❑ **2020: 40% reduction**



# SIGNIFICANT REDUCTION OF EMISSIONS



□ **2040: 50% reduction of CO<sub>2</sub> emissions**



# RELIABILITY AND SAFETY

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## **Reconstruction and development of energy plants and optimization of fuel mix**

- ❑ wide fuel mix and emphasis on domestic energy sources
- ❑ covering of power consumption from domestic sources, Czech Republic remains power exporting country
- ❑ reduction of energy intensity, emphasis on energy savings
- ❑ increase of reserve energy capacities

## **Development of energy grids**

- ❑ reconstruction and development of power grid
- ❑ increase of capacity for cross border transmission
- ❑ development of smart grids (2020: 80% of consumption)

# PRIMARY ENERGY SOURCES

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## **Utilization of hard and brown coal**

- ❑ coal within the regional limits
- ❑ coal beyond the regional limits
  - ❑ preferential coal utilization for centralized heating system (target: 40% heat from cogeneration)

## **Development of renewable energy sources**

- ❑ preference of biomass

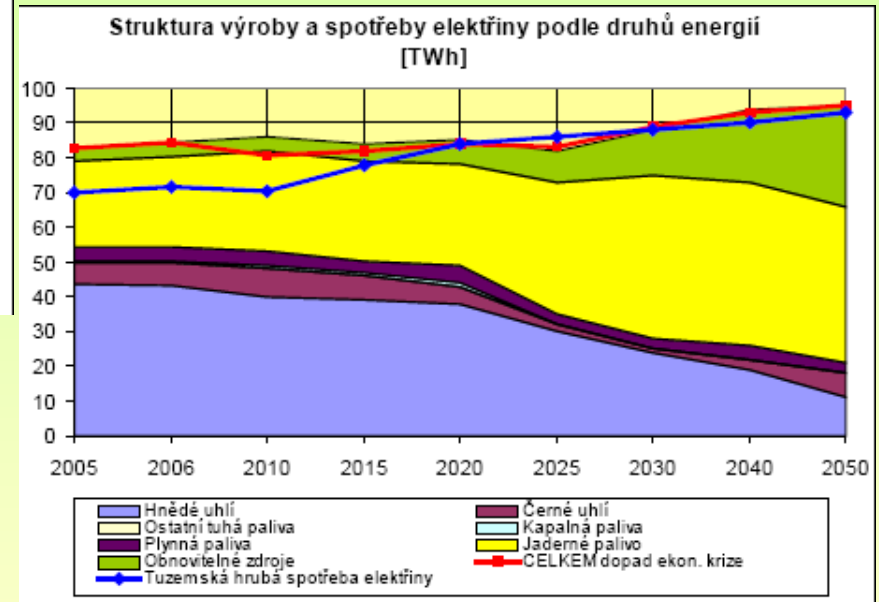
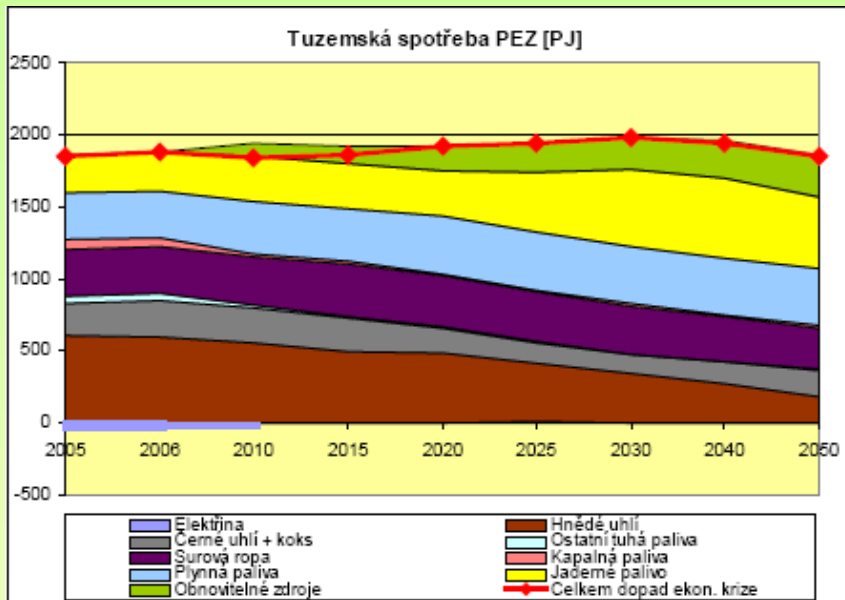
## **Development of nuclear power**

- ❑ prolongation of operation of existing nuclear p. plants (50-60 years)

## **Increase of natural gas**

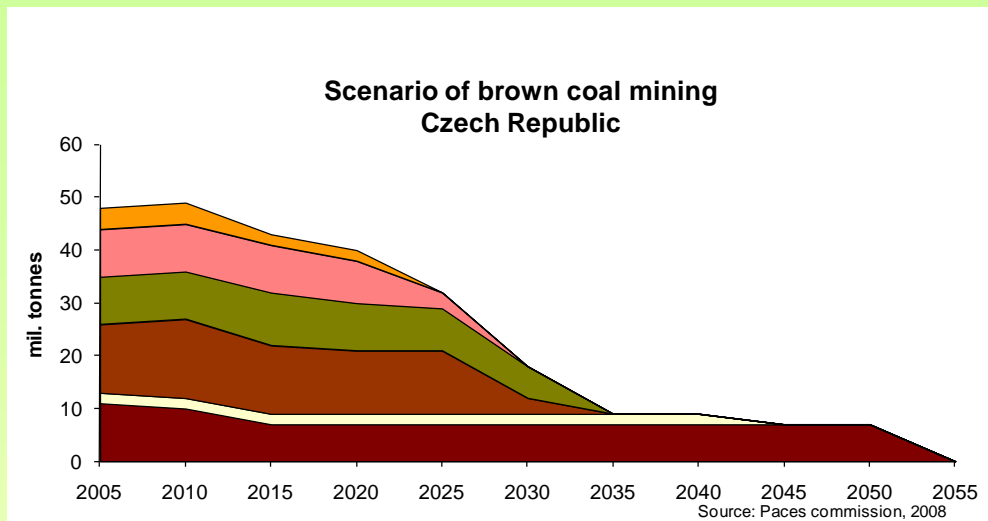
- ❑ 2015 target: gas reserves are 40% of year consumption (2009: 35%), 70% of average winter consumption for one winter month

# PRIMARY ENERGY SOURCES



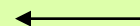


# COAL AS DECISIVE PRIMARY SOURCE



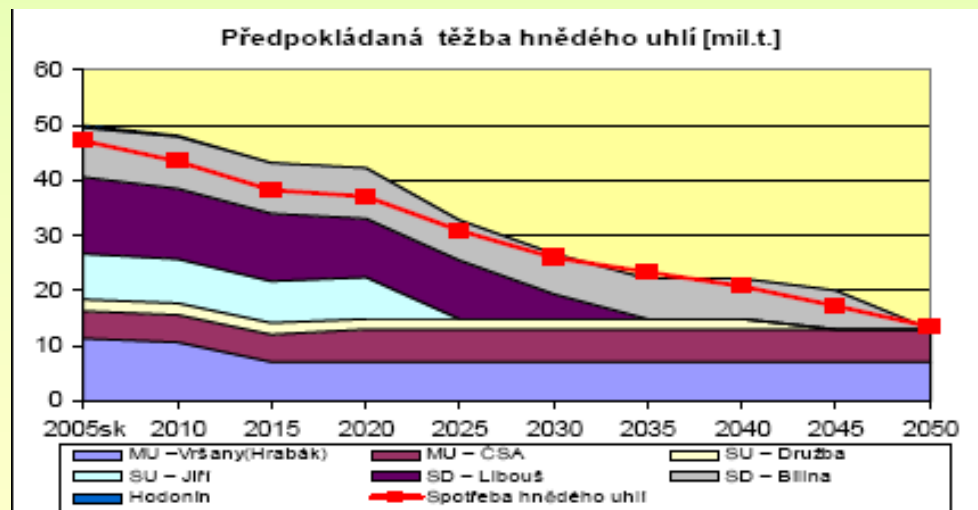
## Scenario of coal availability:

Pačes report, regional limits are not broken

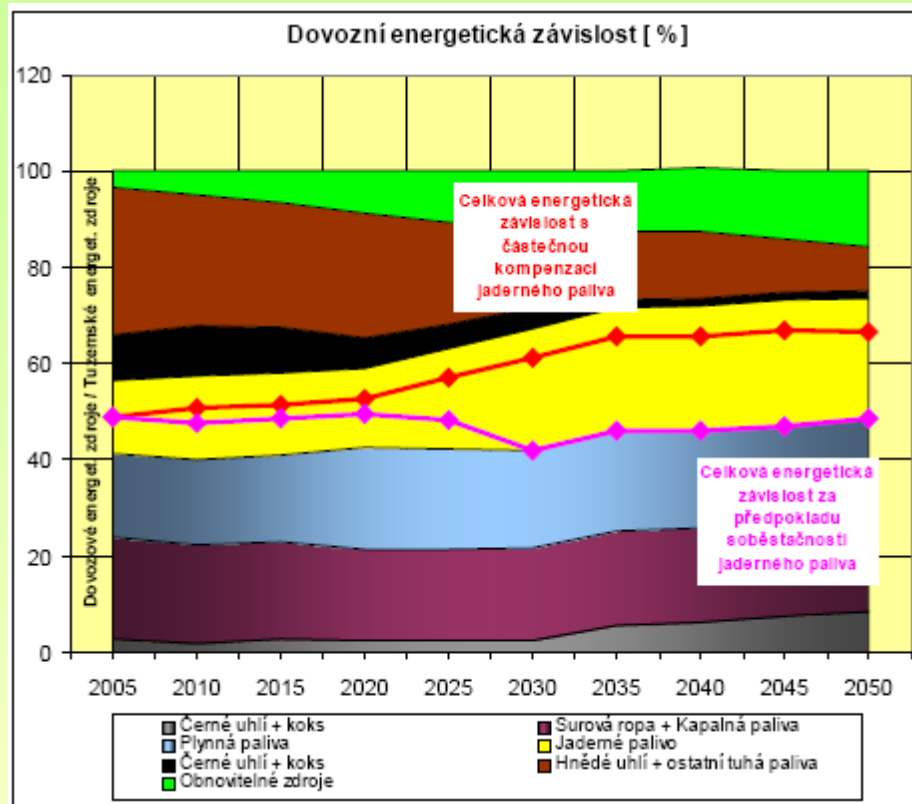


## State Energy Policy 2009 proposal

□ regional limits are broken

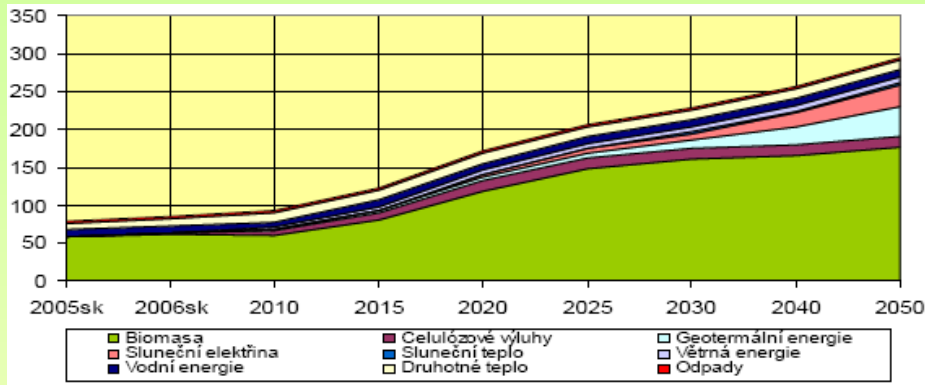


# ENERGY DEPENDANCE



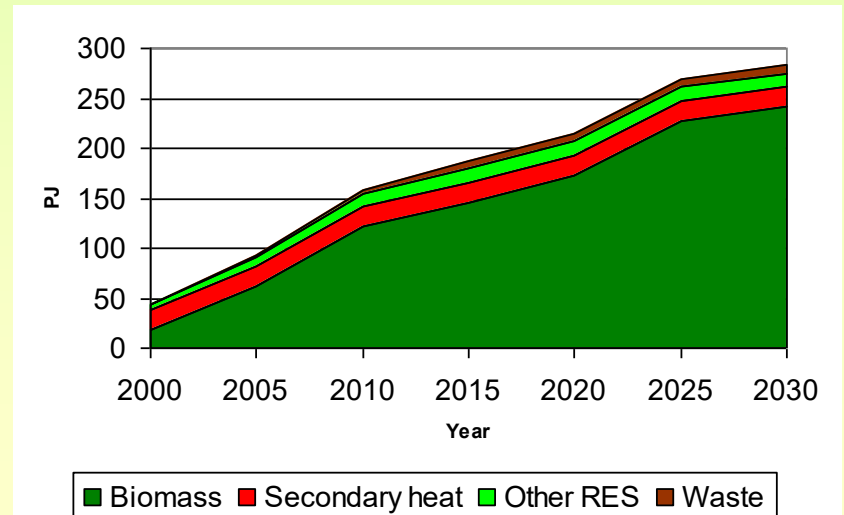
# RES PERSPECTIVE

## RES as primary energy sources



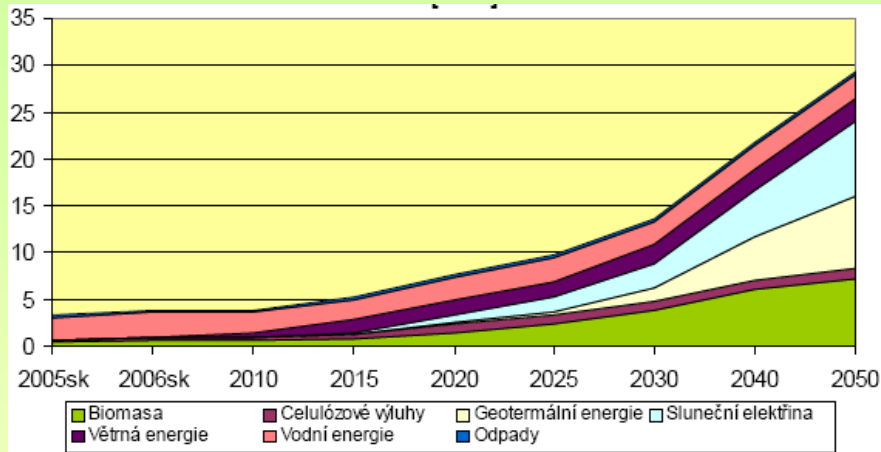
← SEP 2009

SEP 2004 →



# RES PERSPECTIVE

## RES for power generation in TWh



← SEP 2009

SEP 2004 →

