

CHP/DH sector in the Czech Republic situation / problems / wishes

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Energy Policy EHP meeting
Budapest, September 11, 2008

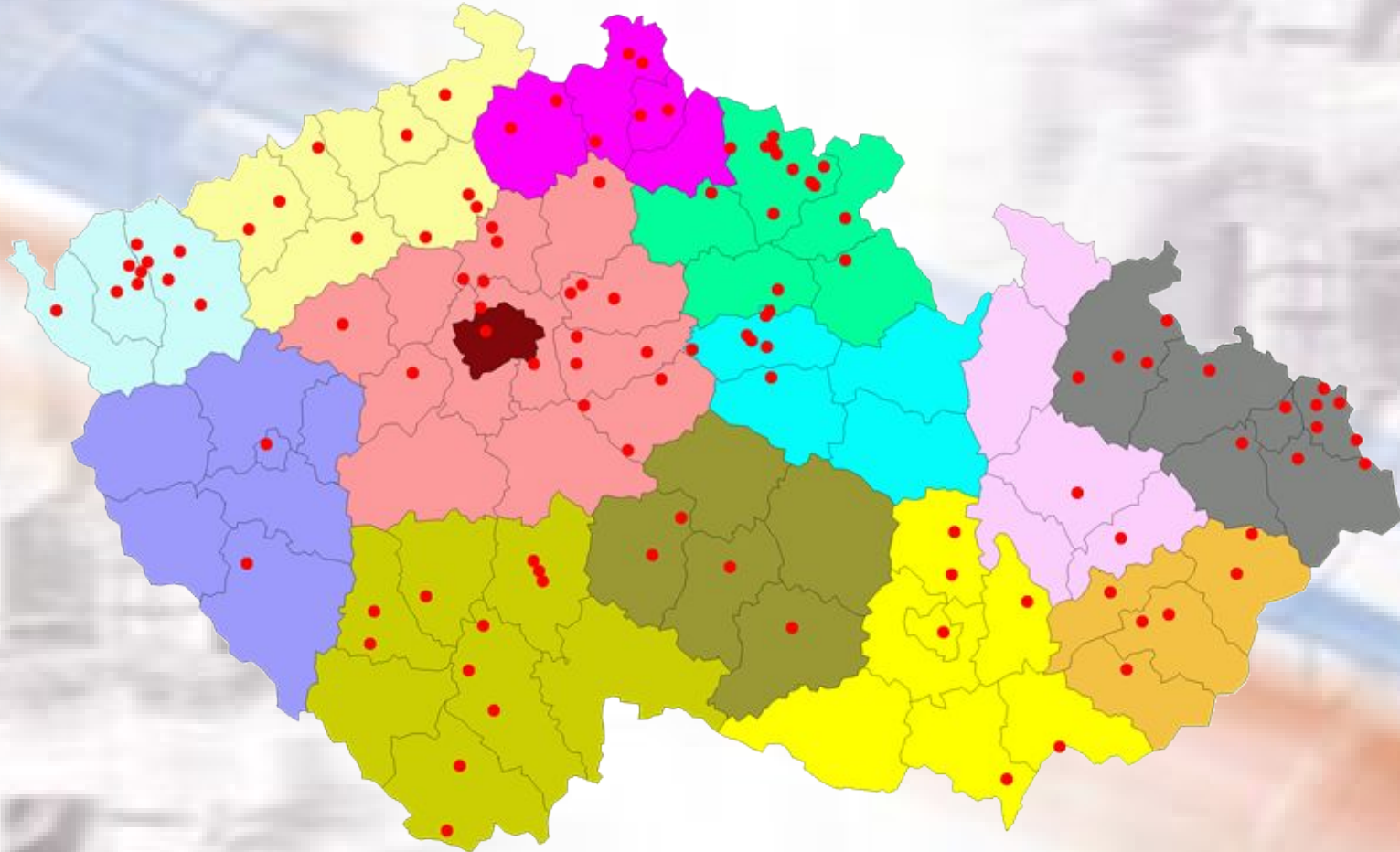


Association for District Heating of the Czech Republic in numbers

Basic facts on DH in Czech Republic

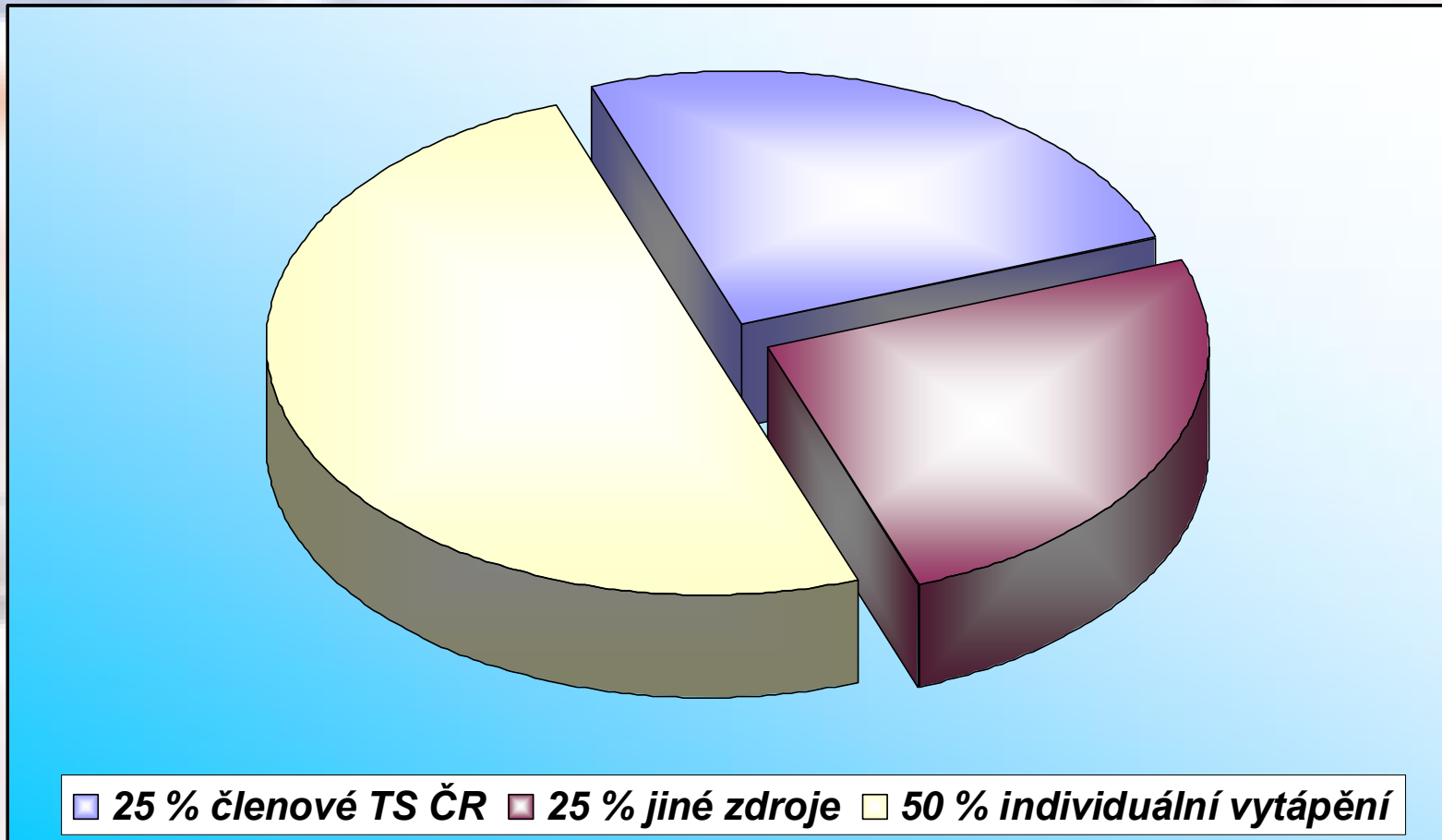
- **The number of supplied households is 1,55 mil. representing approx. 41% of all flats in CR.**
- **ADG members supply 1,105 mil. Households with heat and hot water.**
- **The supply to all 21 largest cities with more than 50 000 inhabitants is granted by ADH members.**
- **The total number of inhabitants in these towns is over 3,340 mil. and 73 % households are connected to DH.**

The map of DH supplies of ADH members

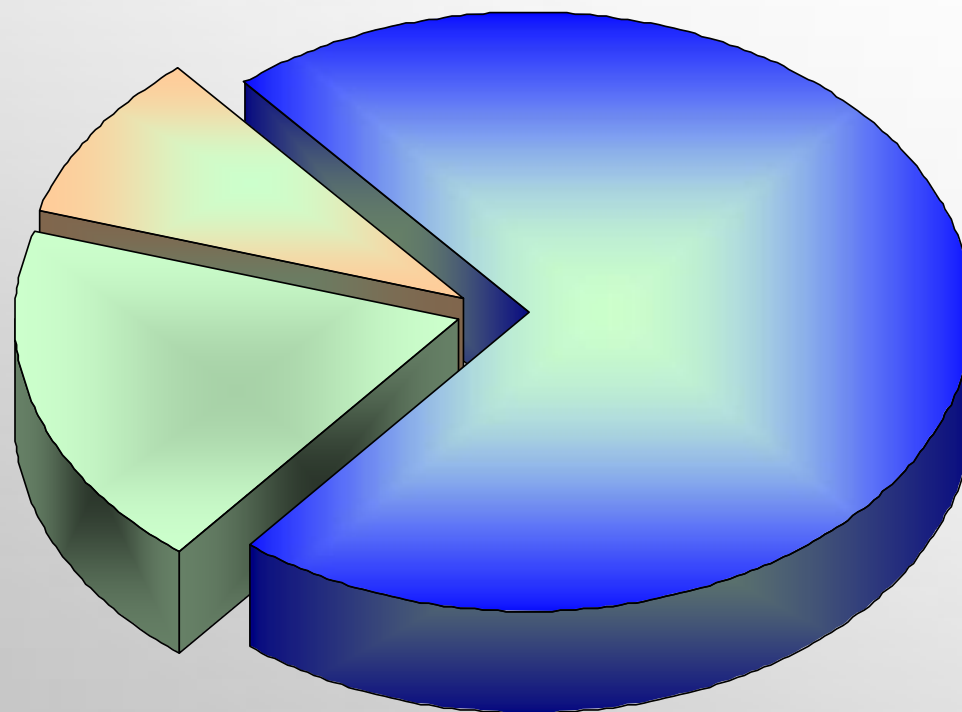


Asside the large towns there are many small towns also supplied ba heat produced by our members

The share of 57 ADH members on total heat supply in CZ

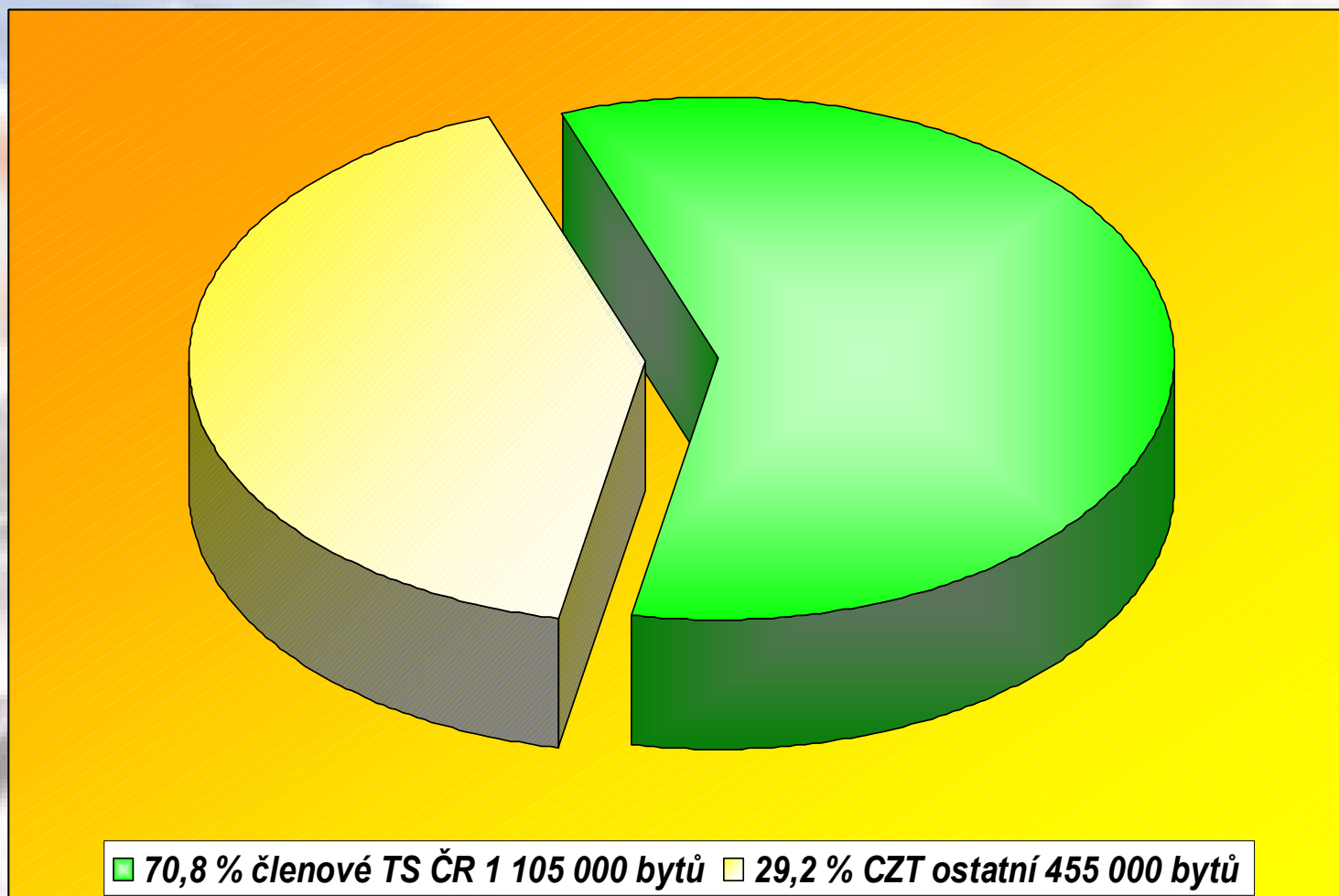


The share of ADH members on electricity production in CZ



■ 72 % ČEZ ■ 19 % další členové TS ČR ■ 9 % ostatní

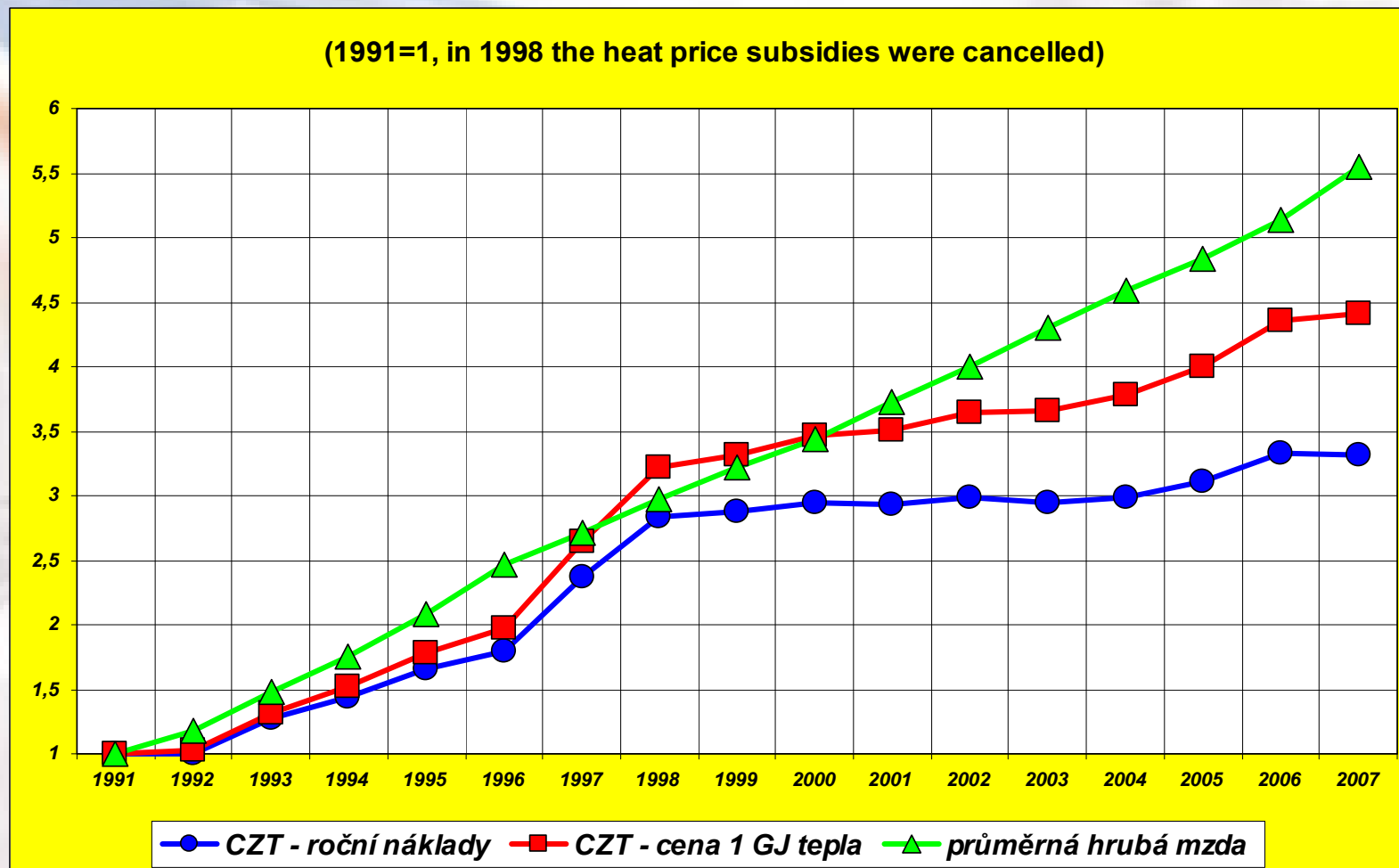
The share of ADH members on DH supplies for flats



The background of the slide is a blurred photograph of industrial infrastructure. It features large, blue-painted pipes running diagonally across the frame. In the background, there are various pieces of machinery, including what appears to be a large cylindrical tank or boiler, and other complex piping systems. The overall scene suggests a district heating plant or a similar industrial facility.

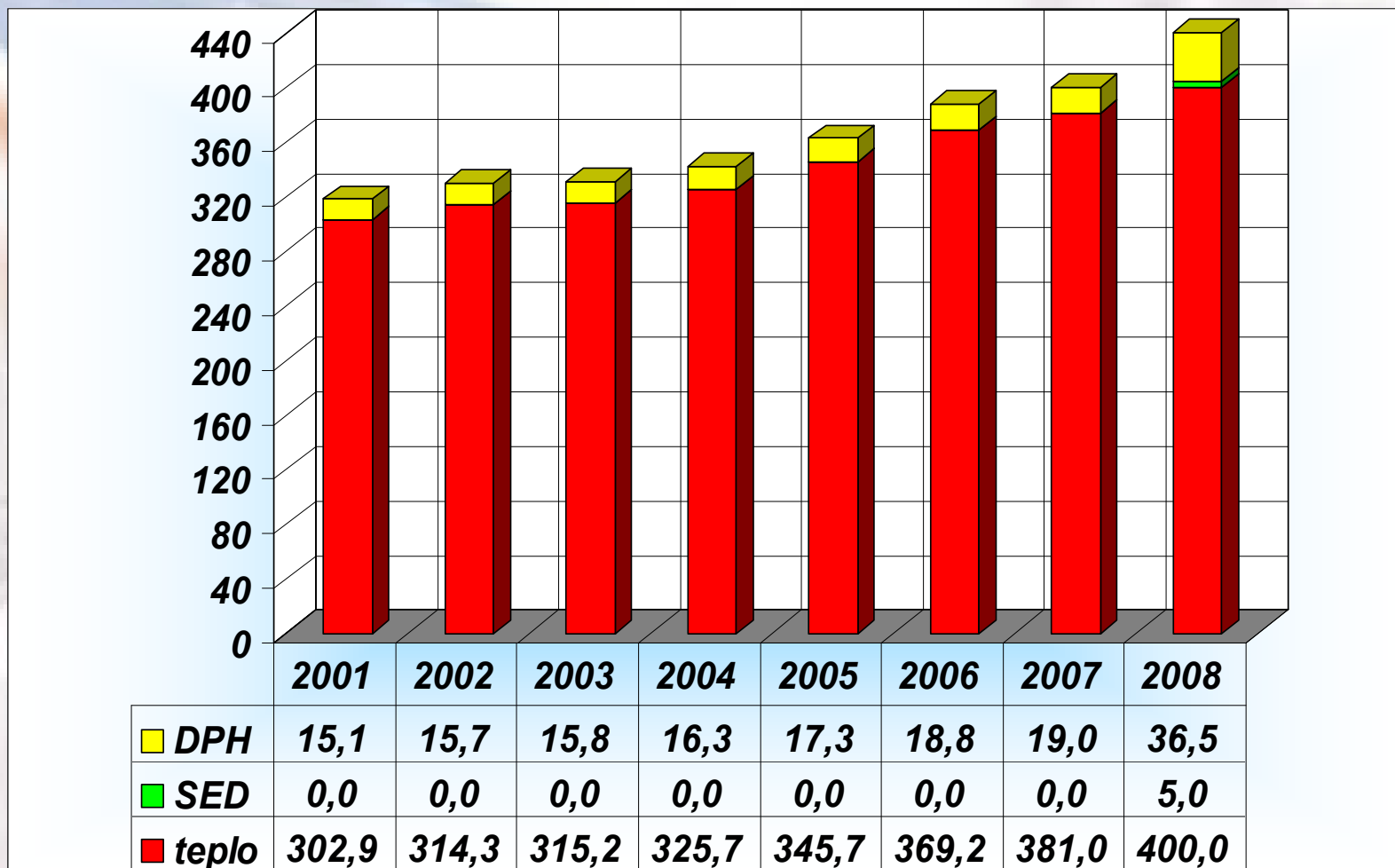
District heating and economy

Development of heat costs, price and wages

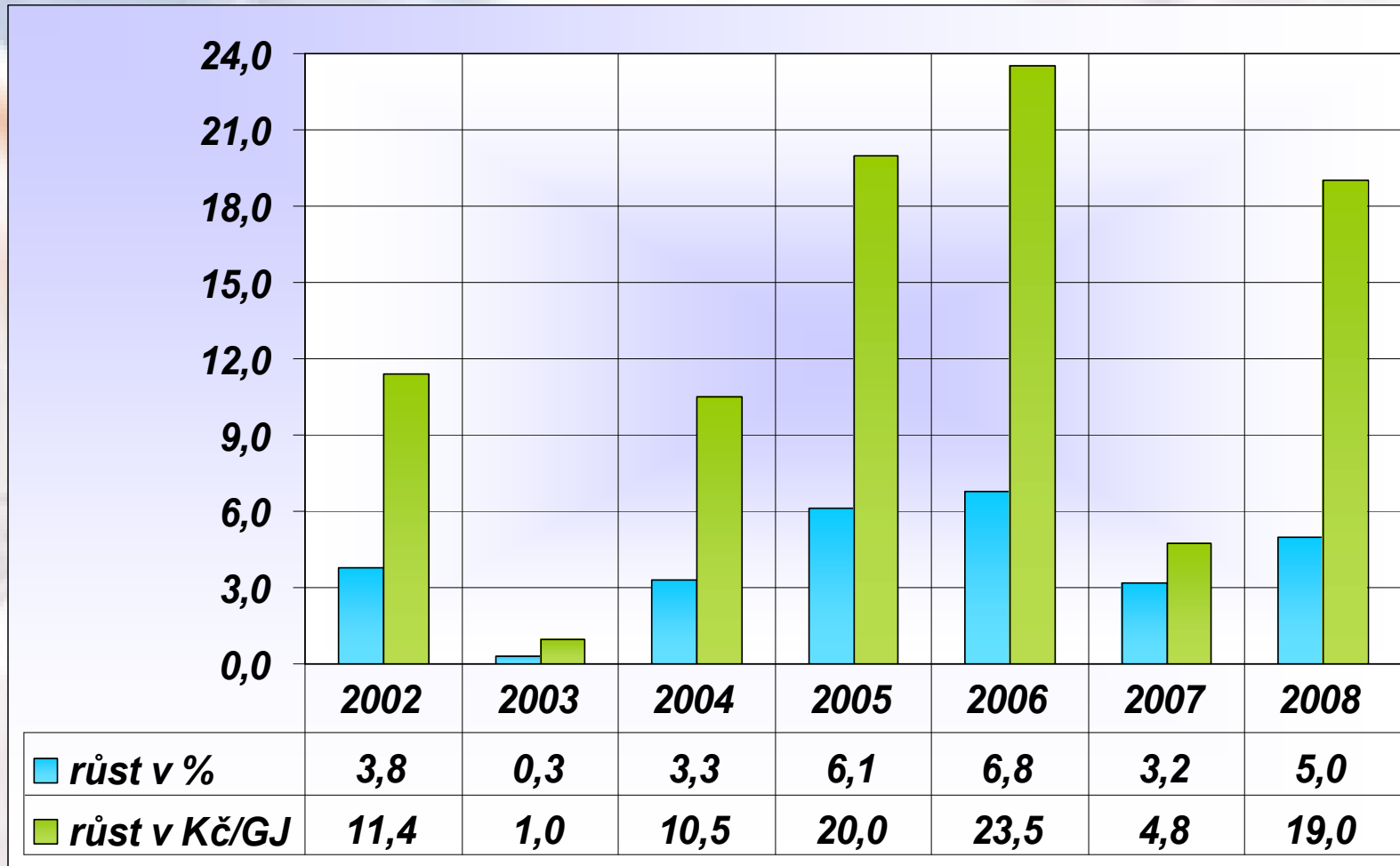


Annual DH price increase

(DPH – Value added tax, SED – environmental tax)

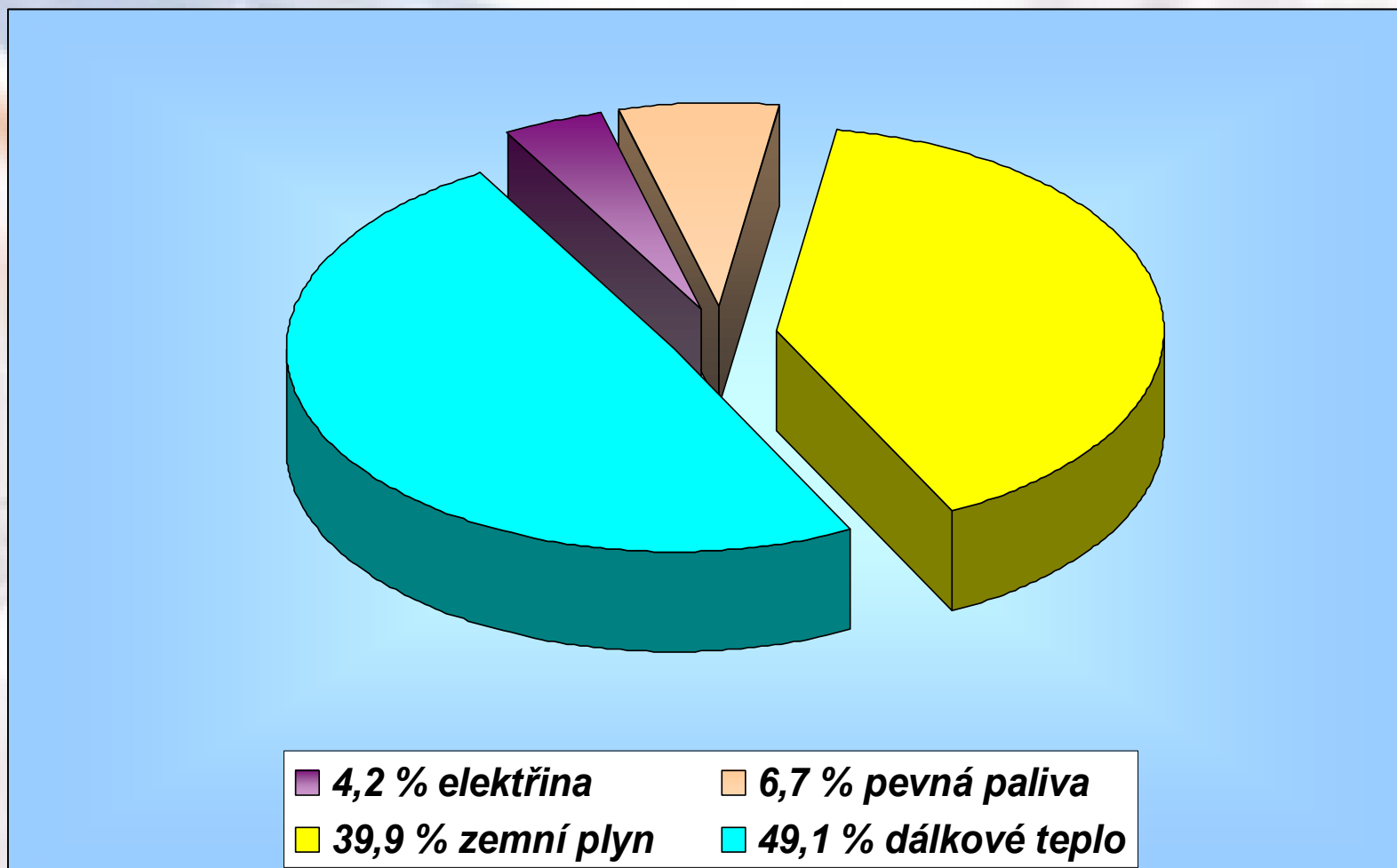


Annual DH price increase excl.taxes

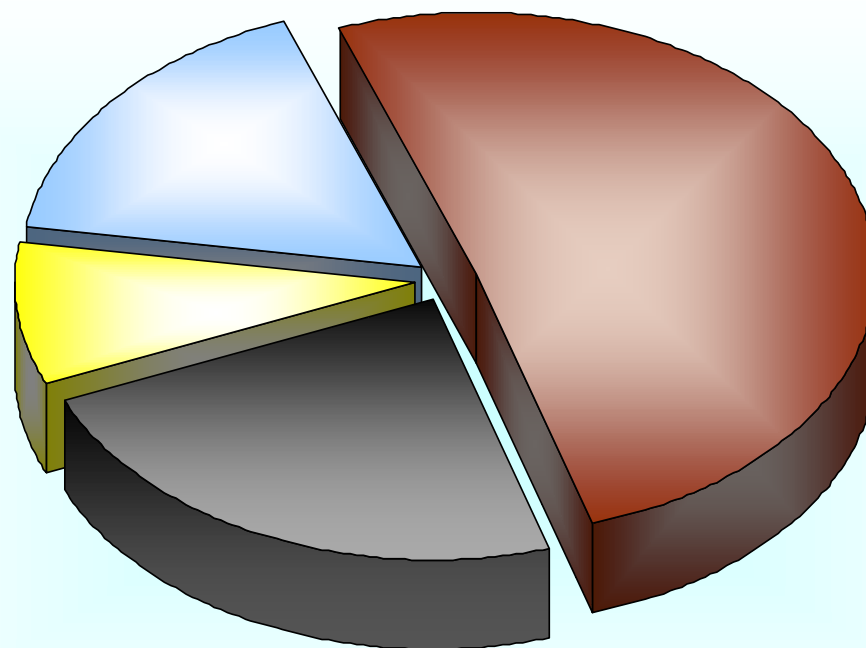






DH share on flats heating

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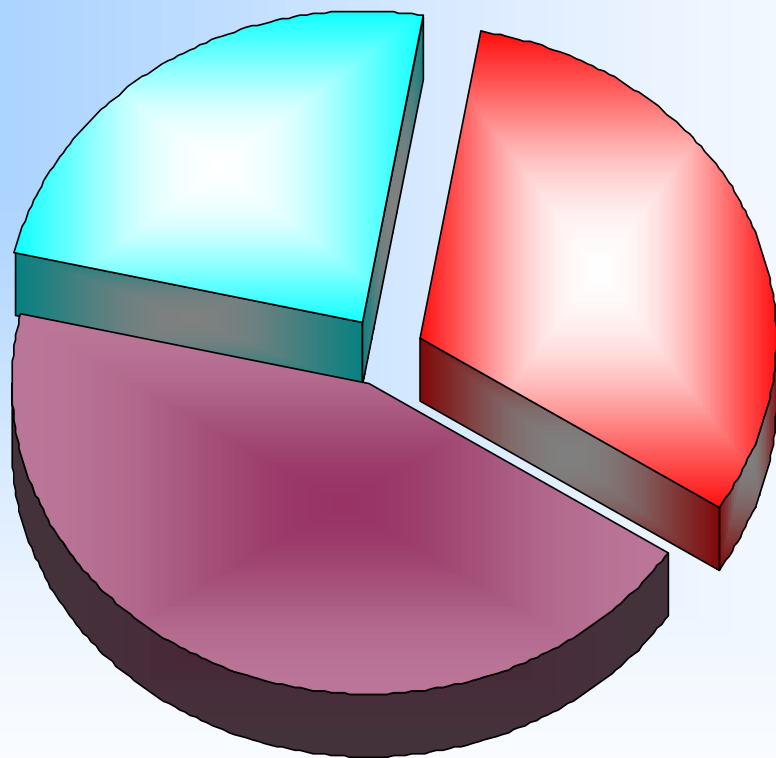
Fuels used for heat production



 50,8 % hnědé uhlí	 23,3 % černé uhlí
 9,1 % zemní plyn	 16,9 % ostatní palivo

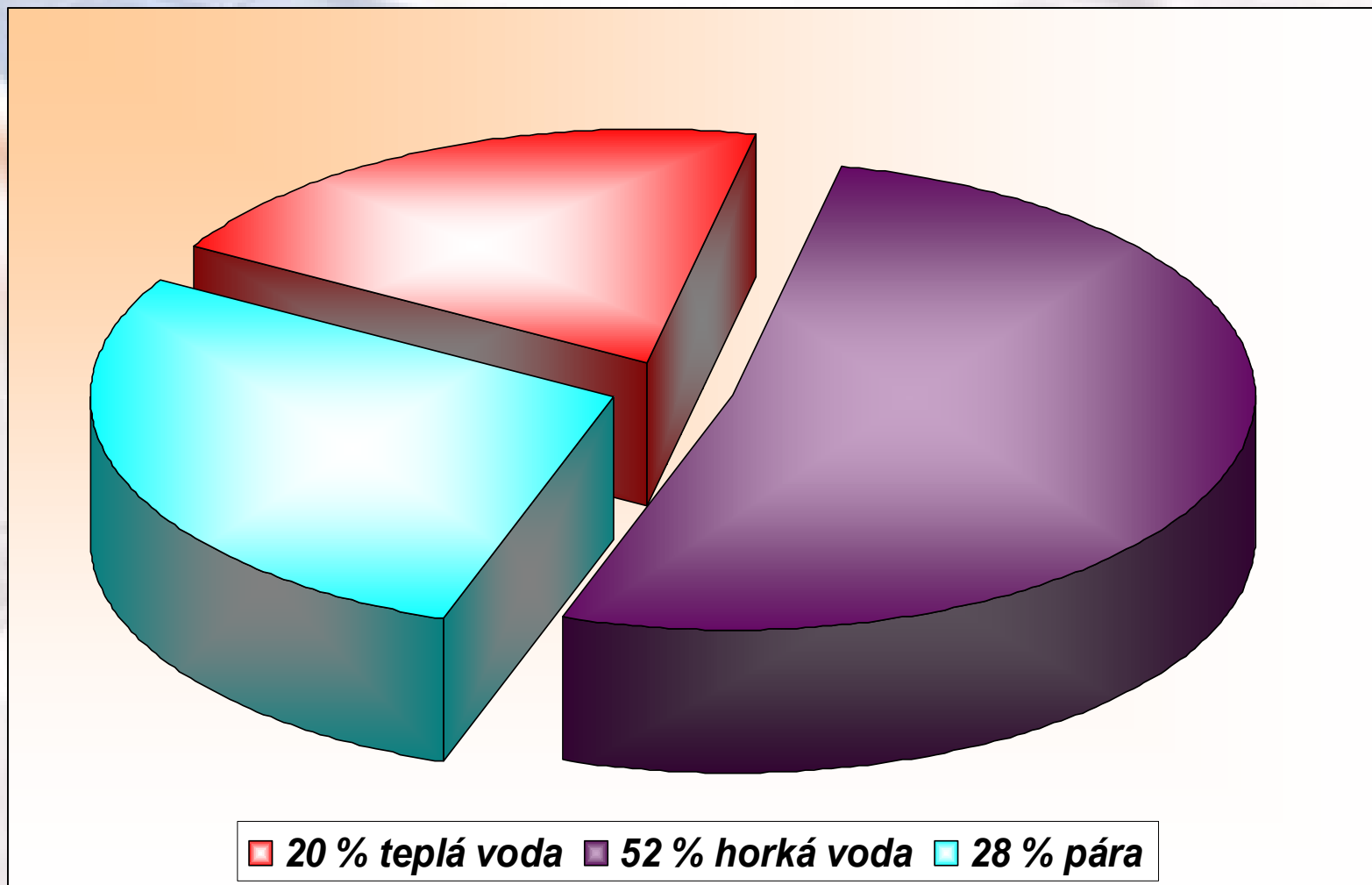
The networks share in 2006

(network total over 10 000 km)



■ 31,5 % *teplá voda* ■ 44,3 % *horká voda* ■ 24,2 % *pára*

Heat media share on deliveries





Current developments

Current developments

- CO₂ allowances
- New Energetic Act proposal
- Regulations in 2009
- Environmental tax influence
- Paces' working group conclusions on fuels for electricity and heat production

CO₂ allowances

- Disagreement with EU in process
- Change of „rules“
- GDP growth (and electric consumption) vs decrease of national allocation for CZ

New Energetic Act proposal

- The right of Regulator to set a price subsidy for price of electricity produced in high efficient CHP
- 6 years guarantee of this support-new

Regulations in 2009

- Max price of heat and consequences
- Min efficiency of production units
- Max losses in networks per GJ supplied
- Allocation of costs over these levels
possible for only 3 years

Environmental tax influence

- Problem of different valuation of in-house vs separately standing gas boilers – historical specifics of CZ and environmental consequences

Conclusions on fuels available for electricity and heat production

- Gas
- Coal
- Nuclear



It was a pleasure,
thank you for attention.