

DANVA's energy saving campaign

25 % in 5 years

IWA Water & Energy, 29-31 Oct. 2009, Copenhagen

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A large-scale consumer

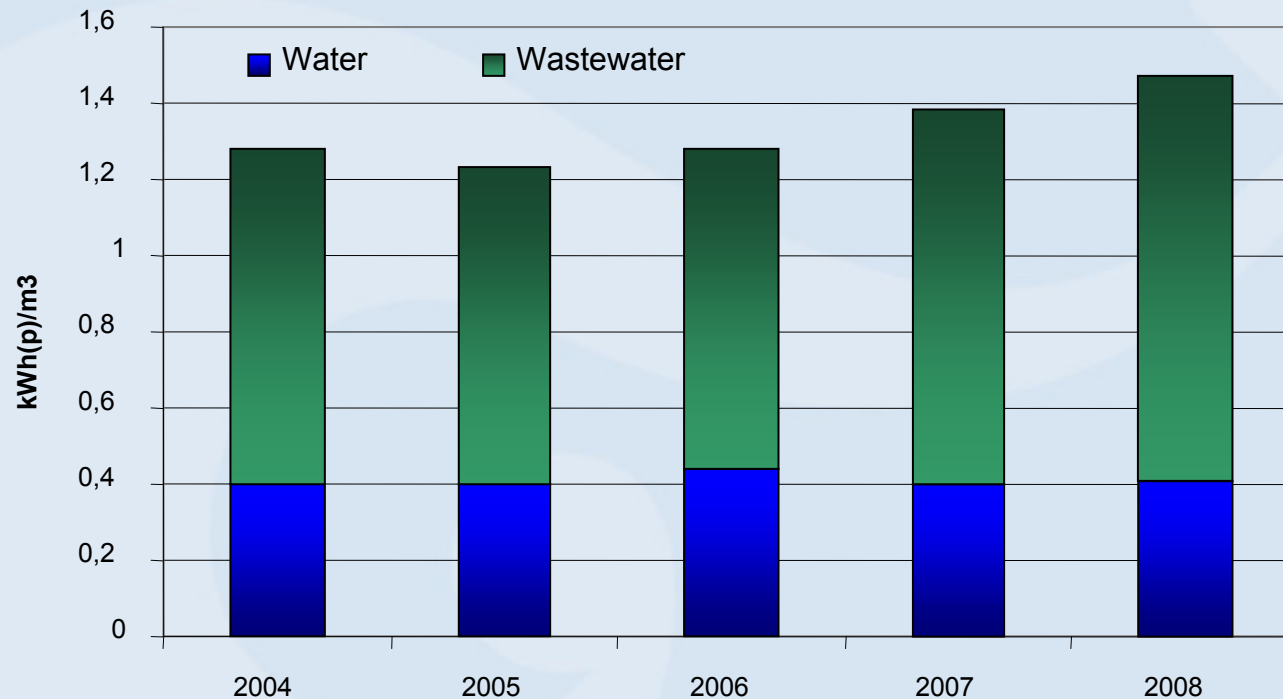
Power-consumption in DK-watersector (2006)

- Water utilities 175 GWh_p
- Wastewater utilities 625 GWh_p
 - Transport 100 GWh_p
 - Treatment 525 GWh_p
- **Total** **800 GWh_p**
 - ~ 400.000 tons CO₂
- 2,4% of the total power-consumption in Denmark
- Watersector turnover = 1% of GNP

Powerconsumption In DK-watersector 2004-2008



kWh_p pr. consumed m³ water



Source: DANVA benchmarking, 37 W.utilities, 16 WW.utilities

Saving potential



Campaign goal 25% → 100.000 tons CO₂

Tools



Today



25%

- Focus
- Behaviour changes
- Replacement off equipment
- Process control
- Energymanagement
- Energy correct projecting

Quick-guide

- Management related focus & commitment
 - What do we want
 - dedicate necessary resources
- Registration of consumption
 - Devide in processes
 - Make PKIs
 - Benchmarking
- Compile action-plan
 - Set-up measurable goals
 - Who do what, when
- Follow-up at action-plan
 - take action on deviations



Thank you

