

- Location: **České Budějovice, Czech Republic**
- Operating since: **1965**
- Ownership: **community**
- Grid: **165 000 m** (owned by the DHS)
- Customers: **1181**
- Connected load: **456 400 kW**
- Boiler output: **453 700 kW** (5 boilers)
- Type of DHS: **steam, hot-water**
- Current fuel: **lignite, natural gas**
- Other energy potential:
excess heat from NPP Temelín



Source: <http://www.teplarna-cb.cz/o-spolecnosti/zakladni-udaje/>

Investment plans:

Conversion of a reasonable part of the **steam network to hot water** by 2021. Construction of a hot-water feeder and start of **excess heat supply from NPP** Temelín in 2020/21.

For more information:

- www.keepwarmeurope.eu/country-pages/czech-republic
- <http://www.teplarna-cb.cz/media/projekt-keepwarm/>

Switch to heat from NPP



Primary work-steps and investment drivers:

- Technical and economic analysis of heat utilisation from nuclear power plant
- Plan of the feeder route and negotiations with the participating municipalities
- OP Enterprise and IC, OP Environment, loans

Strategic background documents:

- Long-term business concept of DHS Česká Budějovice in 2018–2045
- State Energy Policy supporting DH modernisation



Stakeholder involvement:

- Leading: DHS operator, municipality as an owner of DHS, NPP owner as heat supplier
- Other: Financial institutions

Required resources:

Financial investment:
1,5 mld Kč (58,3 mil €)
for a construction of the hot-water pipeline



Results:

- RES-share increase:
před 0 ⇒ po 208 GWh
- RES/fossil heat production ratio: **1/2**
- Reduction of coal production: **30 %**,
- Primary energy savings over the lifetime of the solution: **4 583 GWh**
- Emission reductions:
↓1 650 000 tCO₂ (- 30%)

Want to adapt our work to your DHS?
Want to invest in our progressive DHS?
Contact us using the information below!

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