

Decentralised energy solutions

PROCUREMENT OF HEATING SOLUTION

Procurement procedure is an important administrative and decision-related solution for municipalities or other public purchasers. An aim is that the thermal solution is realised in a cost-effective manner and with good quality. From the perspective of the investor and the operator, an objective is that there are strong operational preconditions for heat production prevailing in terms of technology, operations and activities, and economy. A common goal is fairness and effectiveness of cooperation contracts. Reasonably priced heat, security of maintenance and environmental friendliness are good, fundamental objectives for all parties involved.

The solution for the heat supply process in urban municipalities, i.e. the residential areas of municipalities, is a wide multi-step process typically involving representatives of several different groups of actors.

The phases of planning and procurement procedure

- » Defining the basic need and describing the will
- » Acquiring design services
- » Charting customer needs and property-specific clarification on energy needs, technical situation and customer willingness » Customer data
- » Technical options

- » Defining alternative business models, incl. the role of the municipality
- » Procurement procedure
- » Competitive bidding stage, the most appropriate solutions and operational models
- » Decision-making and implementation of the decision
- » Follow-up

Scaling of the heating system

One of the most challenging issues of energy supply planning is the difference of ages in heating systems in municipal targets. Residential areas of municipalities contain property-specific heating solutions of different ages and different technical levels. Thus, determining the size of a heat power plant, selecting the site for the plant, and planning the extent of the heat distribution network are the most important parts of the work.

THE COSTS, TECHNICAL AND OPERATIONAL DETAILS:

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