

Proposal for Introducing Energy Efficiency in Public Procurement Procedures in the Czech Republic

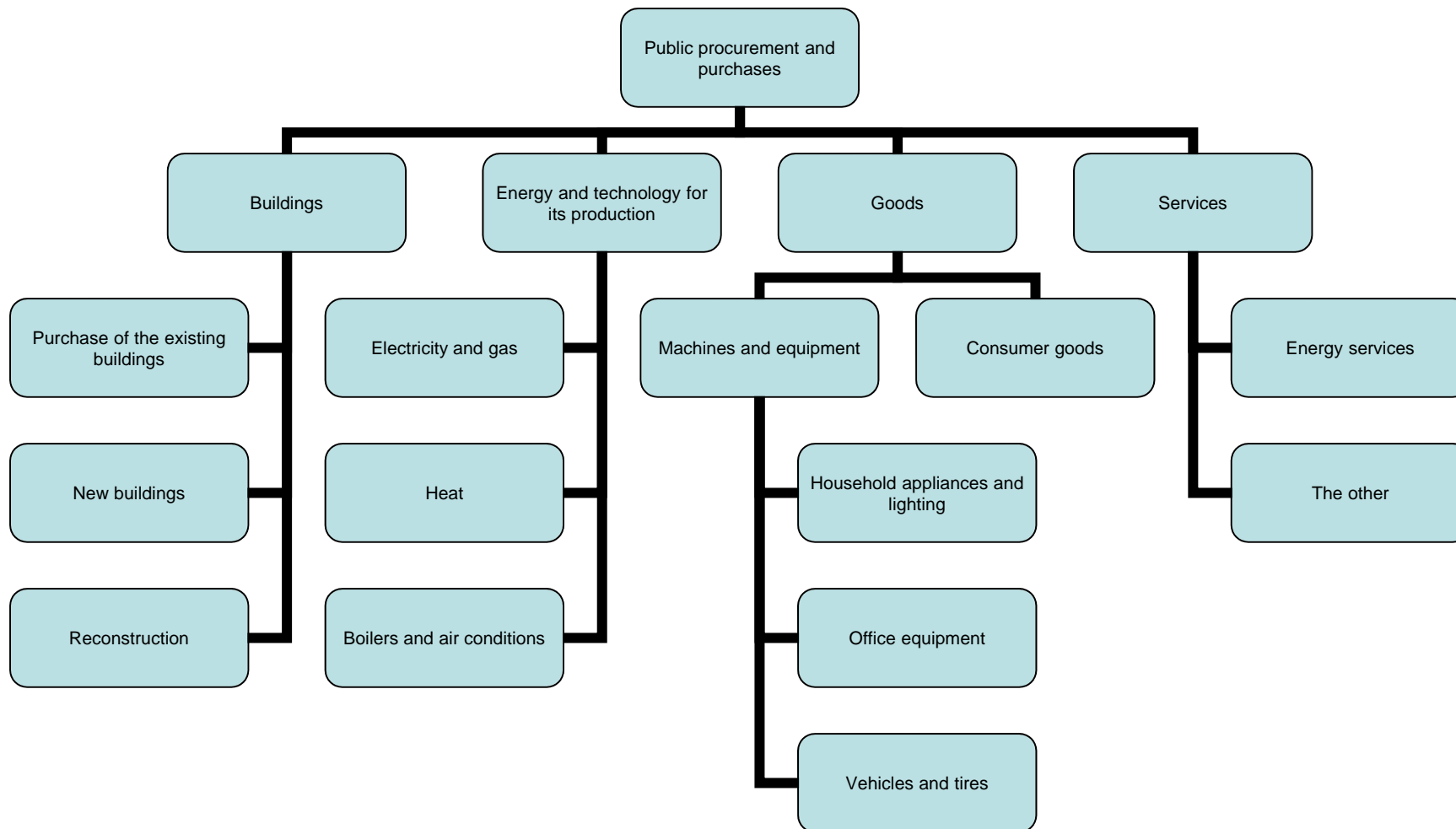
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Core Theme 3
In depth session
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Directive 2006/32/EC, article 5, paragraph 1

- Member States shall ensure that energy efficiency improvement measures are taken by the public sector, focusing on cost-effective measures which generate the largest energy savings in the shortest span of time.
- Member States shall facilitate this process by publishing guidelines on energy efficiency and energy savings as a possible assessment criterion in competitive tendering for public contracts.

Public procurement and purchases where it makes sense to pursue energy efficiency



What has to be changed ?

- To evaluate the best offer of goods, services, buildings or cars in terms of energy efficiency is to bring energy efficiency assessment criteria into public procurement and purchases.
- The usual criterion for public tenders in the Czech Republic is the price. It is very easy, more popular, but it says next to nothing about energy efficiency.
- ENVIROS prepared a guide for public organisations, proposing how to include the energy efficiency criterion into public tendering

Barriers from the side of public sector

- Energy Efficiency calculation is a part of methodologies like Energy Labeling, Green Purchasing, Energy Star Program, Ecodesign and Life Cycle Cost Analysis (*the most complex*).
- After several discussions with responsible employees from public sector, it was clear, that methods dealing with energy efficiency are not customized for easy use and are sometimes confusing (for non-technical experts).

The reference documents for above methods

- The reference document is the common word for standards, energy labels, government regulations, implementing regulations for the laws, Government Resolution, Ministerial programs, etc.
- In spite of fact, that background documents for every methodology is available, it is not so easy to find and to use them. There is a need of special know-how, that the people from public sector do not have (often external experts are needed that can prepare tender documentation for invitations to tender).

The role of reference documents

- Use them in drawing up the tender documents
- Provide overview of the best products (and their technical specifications) on the market.
- Compare the properties of purchased products with the requirements of reference documents

Examples of practical combination of public tender with the reference document

- For buildings - to require that the mandatory part of the tendering offer will be the energy performance certificate (according to EPBD), drawn up pursuant to Decree No. 148/2007 Coll.
- For boilers - before deciding on purchase carry out a check of the boiler and heating system according to Decree No. 276/2007 Coll. (EPBD) Ask about the drafting of the protocol in order to specify recommendations for performance, type (also size), power and energy efficiency of a new boiler. The list of certified energy experts is given on the portal of Ministry of Industry and Trade www.mpo-enex.cz/experti/.

Examples of practical combination of public tender with the reference document

For purchases of office computer equipment:

- All products must meet the requirements of Law No. 22/1997 on technical requirements for products.
- All products must meet the latest ENERGY STAR guidelines for energy efficiency set by the European Commission 2009/489/EC.
- Declaration of compliance with above requirements along with test report confirming the following requirements of the European Commission Decision 2009/489/EC are necessary.

Examples of practical combination of public tender with the reference document

- **Light sources** are a broad group of products that are usually not interchangeable
- Ecodesign relevant legislation affects what appliances are available in the market - Commission Regulations 244/2009 and 245/2009
- Types of lighting - incandescent bulbs, halogen bulb, fluorescent tube, LED, street lighting (e.g. sodium lamps)
- Selecting energy-efficient products based on the energy label, which reflects their effectiveness

Examples of practical combination of public tender with the reference document

- Cars – on the project website Topten <http://www.topten.eu/> information is available on the 10 best cars in each of the seven categories of cars (mini, small cars, compacts, middle class, upper middle class, van 5 seats, van 6 or more seats).
- Czech Governmental Degree 162/2011 Coll - Decree establishes specific technical conditions to reflect the energy and environmental impacts of operating in the case of public supply contracts, which are the subject of vehicles of category N1, N2, N3, M1, M2 and M3.
- Tires - standard tires are responsible for approximately 20% of fuel consumption of vehicles through the rolling resistance.
- Criteria available from November 2012 onwards

Examples of practical combination of public tender with the reference document

Purchase of electricity and gas:

- If possible for the public entity, it is recommended to consider a change of energy supplier. Examples from practice show that there may be considerable financial savings in the public sector.
- It is recommended to pay attention to the website of the Energy Regulatory Office (ERO) (www.ero.cz), which describes the procedure and emphasized that not only the price is the sole criterion for the decision to change supplier.

Energy Services

- Typical energy services provided by energy suppliers or other professionals are the
 - various information campaigns,
 - energy audits,
 - energy management operation under reward,
 - the operation and maintenance of public lighting,
 - technical service,
 - energy performance contracting (EPC) etc.

Multicriteria evaluation of public procurement and purchases

- For practical reasons, we recommend to use in tender documentation and during the evaluation of bids only two criterion based on
 - Criterion 1, which is the price
 - Criterion 2, which is the energy performance, expressed on the label or one of the other recommended documents.
- In practise, criteria not related to costs and energy are used as well (such as green procurement or the most complex method of LCCA)

The weight of individual criteria

Criterion No. 1 is a bid price
Criterion No. 2 is energy efficiency

	Intermittent operation		Transition state			Permanent operation		Not recommended	
Criterion No. 1 in %	80	70	60	50	40	30	20	90	10
Criterion no. 2 v %	20	30	40	50	60	70	80	10	90

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Thank you for your attention!

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