



Preparation for sustainable procurement of electricity efficient data centres

ÞJÓNUSTA FYRIR DIG

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REYKJAVÍKURBORG

City of Reykjavík

- **The citizens of Reykjavik: 117,607**
 - Or 38% of the population of Iceland
 - Adding neighbouring communities: 195,301; 62.4% of the population of Iceland

Stakeholders

- IT department
 - Purchaser
 - Responsible for the procurement
- Procurement office
 - Advisor
 - Control
- The Division of the Environment
 - Advisor
 - Control

Central IT department

- 43 employees
- Handles all IT needs of the City of Reykjavík
- SAN disk space approx. 60 TB
- Approx. 200 virtual servers

Procurement office

- The procurement office handles all tenders on the behalf the city of Reykjavík and is for consultation for procurement processes including making of tender documents

Has role of monitoring that the city's procurement is consistent with Icelandic / EEA laws and the city's procurement regulation

The Division of the Environment

- The Division of the Environment deals with among other things preparation for policy making in the field of the environment and traffic, as well as supervision of its implementation

Procurement goals

- ❑ Get the most economical efficient equipment possible in respect of budget constraint and environmental aspect
- ❑ Lower direct and indirect procurement costs for the benefit of the taxpayer

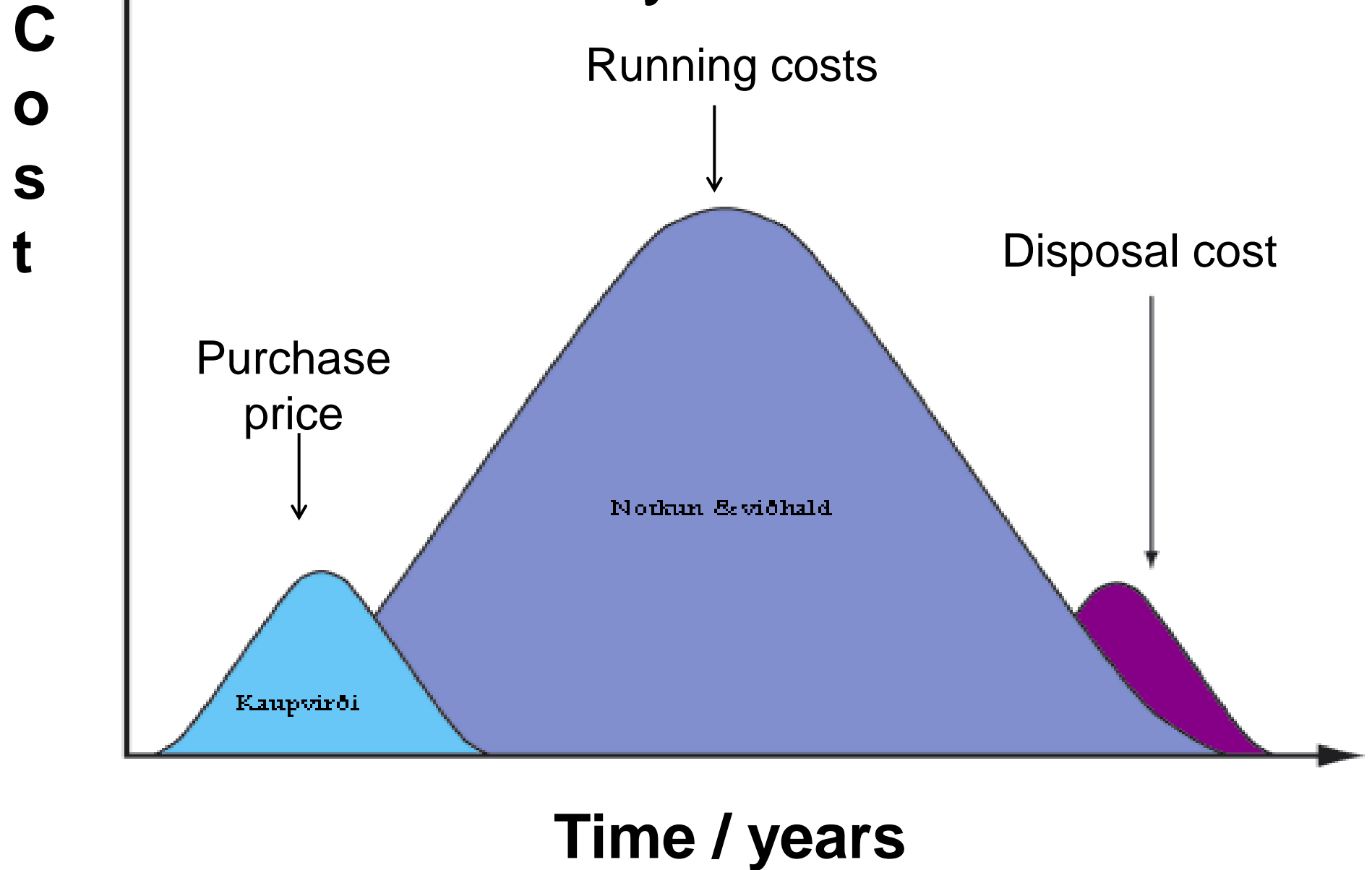
Procurement approach

- Establishing procurement team
 - All stakeholders involved
- Market analysis
- Evaluating life cycle cost
- Making the criteria – tender documents
- Evaluating environmental aspects of the documents

Market analysis

- What is available in your market
 - New technologies might be existent
 - Upgrades of older equipment
- Made by the owner of the project
- Helps setting out requirements in tender documents
- Evaluate need and volume of purchase

Life cycle cost



Evaluation criteria

- Three kinds of criteria
- Qualification criteria
- Award criteria
- Contract criteria

Qualification criteria

- Requirements made to the supplier of the equipment
 - Financial
 - Technical
- Requirements made to the product
 - Technical description

Award criteria

- Award criteria used for evaluation of offers
 - only price
 - or most economical advantageous offer

Contract criteria

- Contract performance
 - Requirements that shall be fulfilled either before the contracts begins or while its being fulfilled

Obstacles in making the procurement criteria green

- New vocabulary
- Technical mind set
- Mixing up different types of criteria's

Environmental requirements

- Electricity use
- Water use
- Recycling
- Environmental labels and environmental
- Waste and disposal
- Hazardous material
- Fuel and Co emission

Few thoughts

- Use of standards and prepared criteria's simplifies the process
- Use of environmental labels is relevant in many instances
- Use of life cycle costs gives you overview of hidden costs
- Think outside of the box when you make requirements