



Swedish Energy Efficiency Activities

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Agenda

Methods

Experiences

Financing of innovations

Technology procurement

Innovation management

Methods

Research

Development

Start-up and seed financing

Business development

Demonstration

Market introduction

Dissemination

Methods

Research

Development

Start-up and seed financing

Business development

Demonstration

Market introduction, e.g. technology procurement

Dissemination

Technology procurement – the process

1. Pre study
2. Gathering of a procuring group
3. List of specified requirements
4. Tender procedure
5. Evaluation of tenders
6. Dissemination
7. Further development and evaluation of procurement

Examples of results from TPs

TP	Start year	Results (GWh/year) PE=2.77	Development trend
Heat pumps	1995/96	3757,7	→
Motors	1998	0,0	↗
Freezing cabinets	1996	608,6	→
Heat exchangers	1999	2,1	↗
Smart metering	1999	0,6	?
HVAC	2006	0,0	?
Lighting sensors	1996	9,1	↗
Copying machines	1999	13,7	↗
Tap water devices	2002/03	55,4	↗
Freezers and Coolers (A+)	2001/03	3,5	↗
TOTALT		4450,8	

Examples of on-going projects

Office buildings

- Building automation systems
- Integrated systems for daylight linkage and sun shields
- Energy and indoor quality requirements
- Tools for LCC and modeling of energy consumption in early design stages

Multi-family buildings

- Energy efficient elevators and escalators
- Smart metering – energy savings, cost efficiency and synergies with other communication tools
- Bench-marking between similar buildings

Policy base

- A maximum of 50% support to one procurement
 - Process support
 - Installation support
 - First series subsidy to buyer

Networks / Disseminators

- Local Energy Advisors / Regional Energy Agencies
- Regional industry networks for SME
- Trade associations
- Subcontractors to large companies
- Target areas
 - Commercial buildings
 - Residential apartment buildings
 - Food trade industry
 - Steel industry

Financing of Energy Innovations

