“Workshop on Voluntary agreements in industry - Swedish government policy”
Foster organizational changes

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Energy intensive industry

*During 10 years of PFE we reduced specific electricity use by 10 % in addition to BAU*

“From 2005 to 2009 we reduced specific electricity consumption by 22%”
- Jerry Larsson
Policy Ambitions

Attention, Knowledge, Attitude, Behaviour changes

Sustained behaviour
- Policy Ambitions
- Awareness
- Any action?
- Energy audit & analysis
- Manage energy use (EnMS)
- Behaviour changes
- Business integration
- Management Attention

Innovative:
- Up-stream
- In-house
- Down-stream

Management Attention

No Priority
Strategic Issue
Energy Management Program

Policy intervention

Push
- Suppliers
- Consultants

Integrate energy actions in enterprise management

Infrastructural institutional support

Pull
- Management commitment
(Covered 25 % of Swedish energy use)

Program start

- Energy audit and analysis
- Implement and certify ISO 50001
- Find measures & set target
- Implement routines for procurement & planning

2 years

- Continuously improve the Energy Mgmt System
- Realize measures
- Apply routines
- Effects of routines

5 years

Tax reduction 0.5 Euro/MWh
Advantages

• Incentive and law in combination set target
• Enterprises and sector organisations took part in preparations
• Predictable, plain, communicable and flexible
• Advantage with program: Administrative burdens low for authorities and participants
• Joint learning and networking
• Strategic issue for management (EnMS, Tax incentive, program)
Initiate Change – Sustain over time

- Planning and control
- Capital budgeting
- Human resources
- Energy culture or energy awareness

Result: 10 % less electricity use
Energy Policy Commission Agreement

• 50 % more efficient energy use 2030 (2005, in relation to GDP)
• Sector strategies
• Program to reduce CO₂ emissions
• Program to increase industrial energy efficiency
Thank you for listening!

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And thank you: Erwin