Denmark's multi-sector and distributor-based approach

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Target & Obligation


Set-Up


Monitoring and verification


Recommendations



Obligation on EC helps to reach 20% EE



Obligation on EC creates security for the 20% EE



Obligation creates a stable financial regime



Alone, market will not deliver 20%



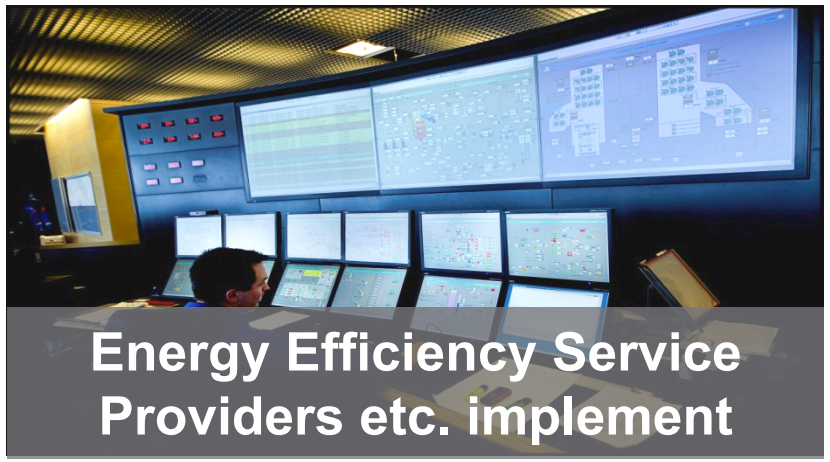
Target on 4 branches & 550 distributors



Voluntary Agreement Law of order



Restrictions for distributors No implementation



Energy Efficiency Service Providers etc. implement



- **Cost recovery scheme**
- **Cost +**
- **Proportional payment**
- **All costumers incl. ETS**



- **Obligation:**
- **Implemented yearly savings 6.1 PJ**
- **Cooperate with market actors**
- Audit, financing, mix
- Tenders



- All end-uses exl. transport
- District Heating, Natural Gas, Oil, Electricity
- Wind energy & solar Pv/collectors
- Grids & networks
- Internal transport



- **Total DK end-use EE target PER year 10,3 PJ = 1.5%**
- **Distributors 6.1 PJ - 1.st year savings – 9.2 PJ from 2013**



- Standard Values – revised each year
- Engineering calcualtion
- Behavior, Information, campaigns are not counted as well as white appliances
- Half in industry – half in other sectors



- **Third part must have a contract with a distributor**
- **Only distributors can trade between each other**
- **Banking is allowed**
- **A deficit of 35% is allowed**



Distributors responsibility:

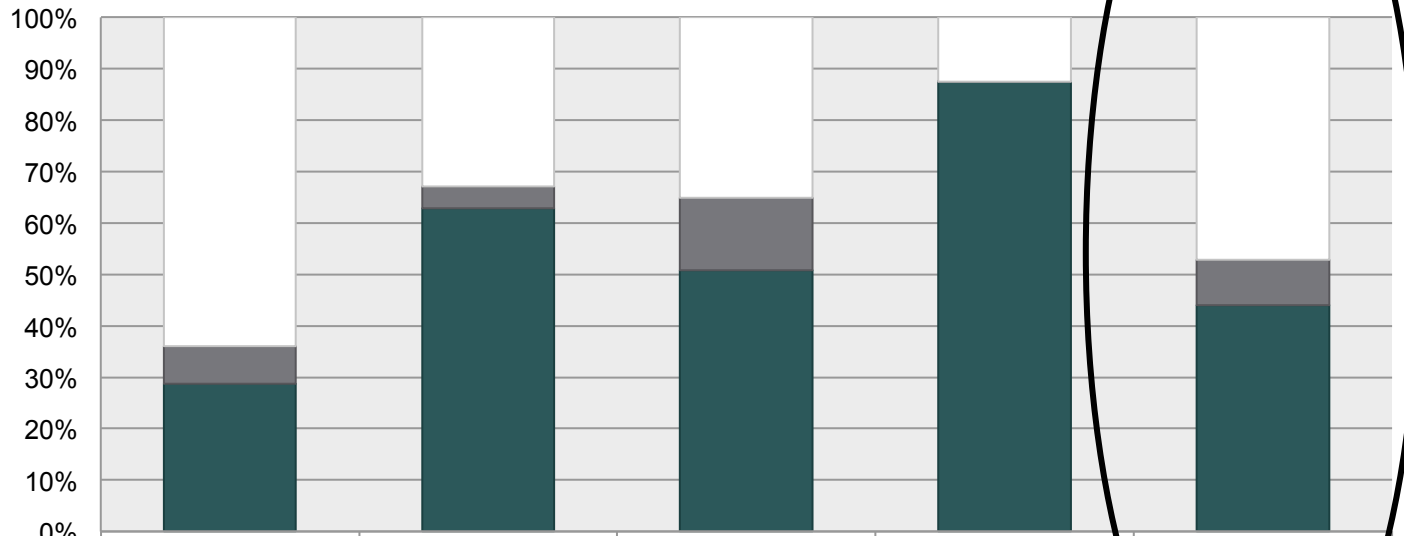
- Deliver the savings
- Economy
- Internal audit every year
- External independent audit each second year
- Accounting auditor certified



- **Authority :**
- **Random sample control**
- **Use of money/cost**
- **Market survaillance**
- **Transfer pricing**
- **Benchmarking of cost - public**



Energy savings 2006-2009 divided on sectors



	Electricity Companies	Natural Gas Companies	District Heat. Companies	Oil Companies	All Companies
Private enterprises	64%	33%	35%	13%	47%
Public sector	7%	4%	14%	0%	9%
Households	29%	63%	51%	87%	44%



	Savings compared with target 2006 – medio 2009
Electricity companies	109 %
Natural gas companies	112 %
District heating companies	124 %
Oil companies	103 %
Total	**114 %**

Annual target: 2,95 PJ

2010: Have delivered 115 pct. of the increased target



- Average utility cost 2006-2009, 4,5 Euro cents per kWh first year savings

- 0,45 Euro cent with an average lifetime on 10 years



- Recommendations:
- An obligation must be transparent
- Cost recovery must be possible in all MS
- Transport must be included
- Freedom to reach the 20% as cheep/cost efficient as possible
- The EE influence on ETS need to be solved eg.“set a side of CO2 allowances”

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