



Opportunities for Gas Utilities through the EU Energy Efficiency Policy – the “Energy Star 2010” Programme, an example from Austria

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Opportunities for Gas Utilities

Energy Service Directive – main aspects

Overview

1. ESD-main aspects

2. Energy Star 2010

3. An example of a gas utility

4. Changes for gas utilities

5. Opportunities & risks for gas utilities

Directive 2006/32/EC of the European Parliament and of the Council of 5 April 2006 **on energy end-use efficiency and energy services**

The purpose of this Directive is to enhance the **cost-effective improvement of energy end-use efficiency** in the Member States by:

- (a) providing the necessary indicative targets as well as **mechanisms, incentives and institutional, financial and legal frameworks** to remove existing market barriers and imperfections that impede the efficient end use of energy;
- (b) creating the conditions for the development and promotion of a **market for energy services** and for the delivery of other energy efficiency improvement measures to final consumers.

Opportunities for Gas Utilities

Energy Service Directive – main aspects

Overview

1. ESD-main aspects

- Member States shall adopt and aim to achieve an overall national indicative energy savings target of **9 %** for the ninth year of application of this Directive.

2. Energy Star 2010

- Member states can choose from a **wide variety of energy efficiency measures.**

3. An example of a gas utility

4. Changes for gas utilities

- The target is not addressed to a specific energy source as oil, coal or gas but to **all energy sources, also renewable energy sources.**

5. Opportunities & risks for gas utilities

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- Member states may implement the ESD by measures as:
 - **white certificates**
 - **monetary funds** (to be filled by the utilities)
 - **voluntary agreements** about amounts of energy to be saved through activities by the utilities
 - ...
- Austria plans to conclude agreements between the government and the energy utilities (electricity, gas,...).

Energy Star 2010 – Energy Efficiency in Upper Austria

Overview

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- The Federal State of Upper Austria has implemented the ESD in the year **2005**.
- The **3 largest utilities** have to conduct measures that initiate energy savings at the end-user level of 1% of the utilities' yearly energy distribution.
- Utilities have chosen to undertake measures on three different levels
 - Support end-user **investments in energy efficient technologies** (condensing boilers, ...)
 - Offer high quality **energy audits** to customers
 - Activate end-user awareness for energy efficiency by **information campaigns**

Opportunities for Gas Utilities

Energy Star 2010 – Performance of the gas utility

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- The Energy Institute at the JK University Linz has developed a **methodology** to estimate the energy savings (in kWh) initiated by the utilities' activities.
- Developing the methodology was supported by **erdgas oö** and **OÖ. Ferngas** (technical know-how, data, financial support ...).
- For all three utilities the amounts of saved energy are available by now for the year 2006.
- The **gas utility** has **exceeded all expectations** and reached energy savings of far more than 1% p.a.
- Most of the gas utility's savings refer to the support for end-users by installing modern **condensing boilers**.

Opportunities for Gas Utilities

Energy Star 2010 – Performance of the gas utility

Overview

Table 1: Energy savings from energy efficiency measures conducted by the *erdgas* oö in the business year 2006

Category	Calculated savings <i>in kWh/anno</i>	<i>in % of total savings</i>
Energy audits	1,983,750	10.6
Information related energy efficiency measure	1,406,000	7.5
CNG vehicles	9,903	0.05
Condensing boilers in new buildings	3,757,395	20.1
Condensing boilers in old buildings	9,571,000	51.1
Major- and individual projects:	2,166,117	11.6
Total	18,712,165	100
Yearly saving target	16,829,400	-

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Energy Star 2010 – Performance of the gas utility

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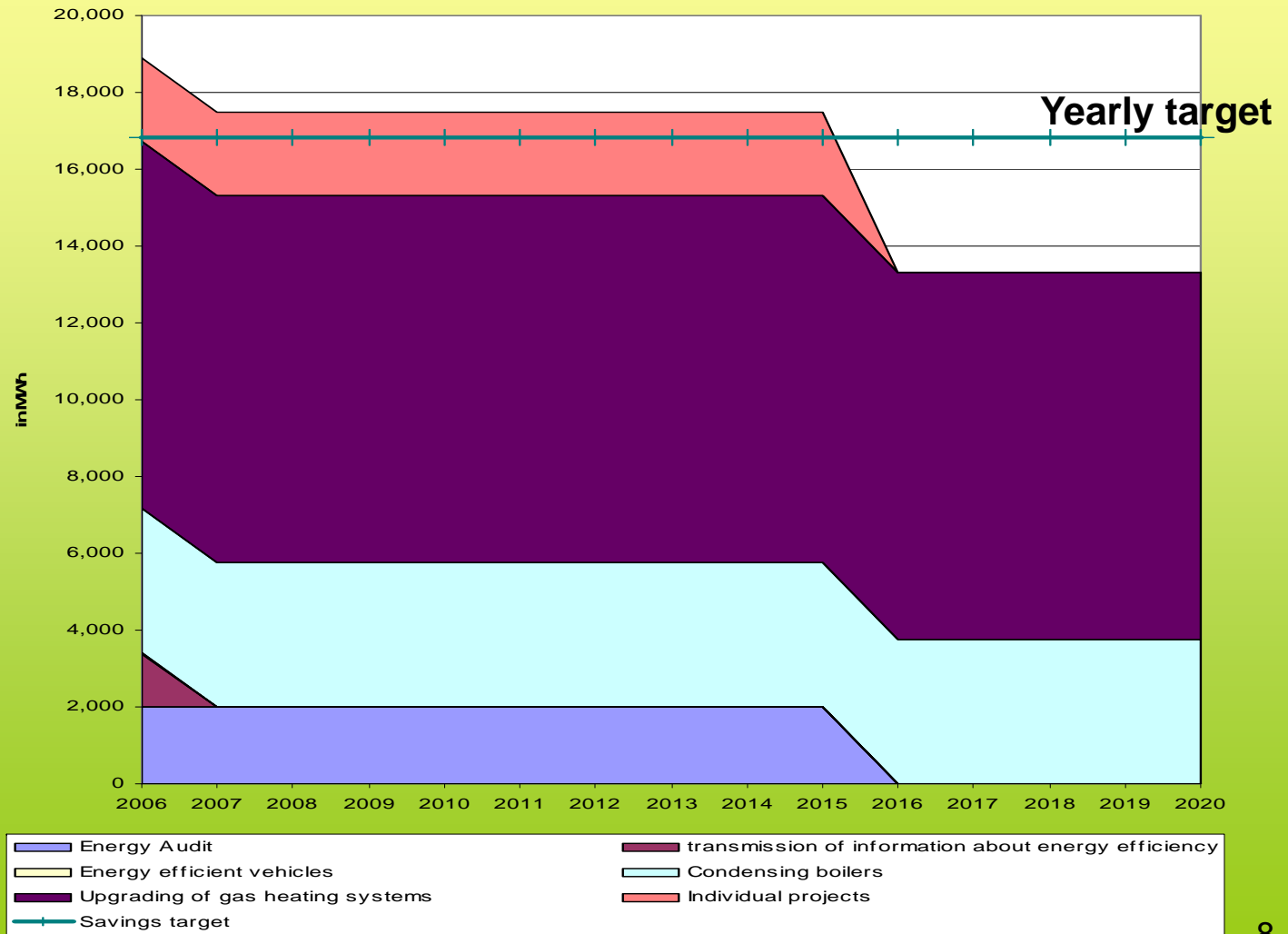
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Graph 1: Energy efficiency measures conducted by the erdgas oö in the business year 2006, extrapolated over their whole lifetime



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Changes for gas utilities

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- Natural gas can be used with **higher efficiency** than other fossil fuels.
- With the rising awareness for energy efficiency among end-users, natural gas is an **attractive alternative** compared to other fossil fuels.
- **Lower CO₂** turnout as other fossil fuels allow to reposition natural gas as a climate friendly brand.

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Consequences for gas utilities

- Get to know the **running energy efficiency** measures already undertaken in your company.
- **Collect and quantify** the **early actions** your companies have done so far.
- Be assure that your **past attainments** in the fields of energy efficiency will be heard when governments work out the national implementations of the ESD.

Risks for gas utilities

A passive refusal of acceptance of the ongoing national and European wide energy efficiency policy would doom the natural gas industry to stand on the sidelines while decisions are made by policy makers without the awareness of the contributions of the gas industry in the fields of energy efficiency.

**Merci beaucoup pour
votre attention!**

