

# Opportunity Cost Tool: Estimation and Visualization of Energy Costs, Saving Potentials and Future Energy Cost Savings

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- 1. Motivation and introduction**
- 2. Introduction of concepts how to integrate demand side measures into supply contracting models**
- 3. Expert discussion**
- 4. Voting and opinions (-> Questionnaires)**

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# Opportunity Cost Tool: Input Data (1/3)

Task XVI  
"Competitive  
Energy  
Services"

## Input data

consumption energy cost	unit	cost (typical, annual)	estimated price increase	estimated saving potential		remarks
				minimum	maximum	
electricity	€/a	15.000	4,0%	5%	20%	
natural gas	€/a	5.000	3,0%	15%	25%	
fuel oil	€/a	1.000	2,0%	20%	30%	
sum	€/a	21.000	3,7%	8,1%	21,7%	
<b>operating &amp; maintenance cost</b>						
operation & maint.	€/a	500	0,0%			
personnel	€/a	1.000	0,0%	20%	40%	
sum	€/a	1.500	0,0%	13,3%	26,7%	
<b>total energy cost (without capital cost)</b>	€/a	<b>22.500</b>	<b>3,4%</b>	<b>8,4%</b>	<b>22,0%</b>	

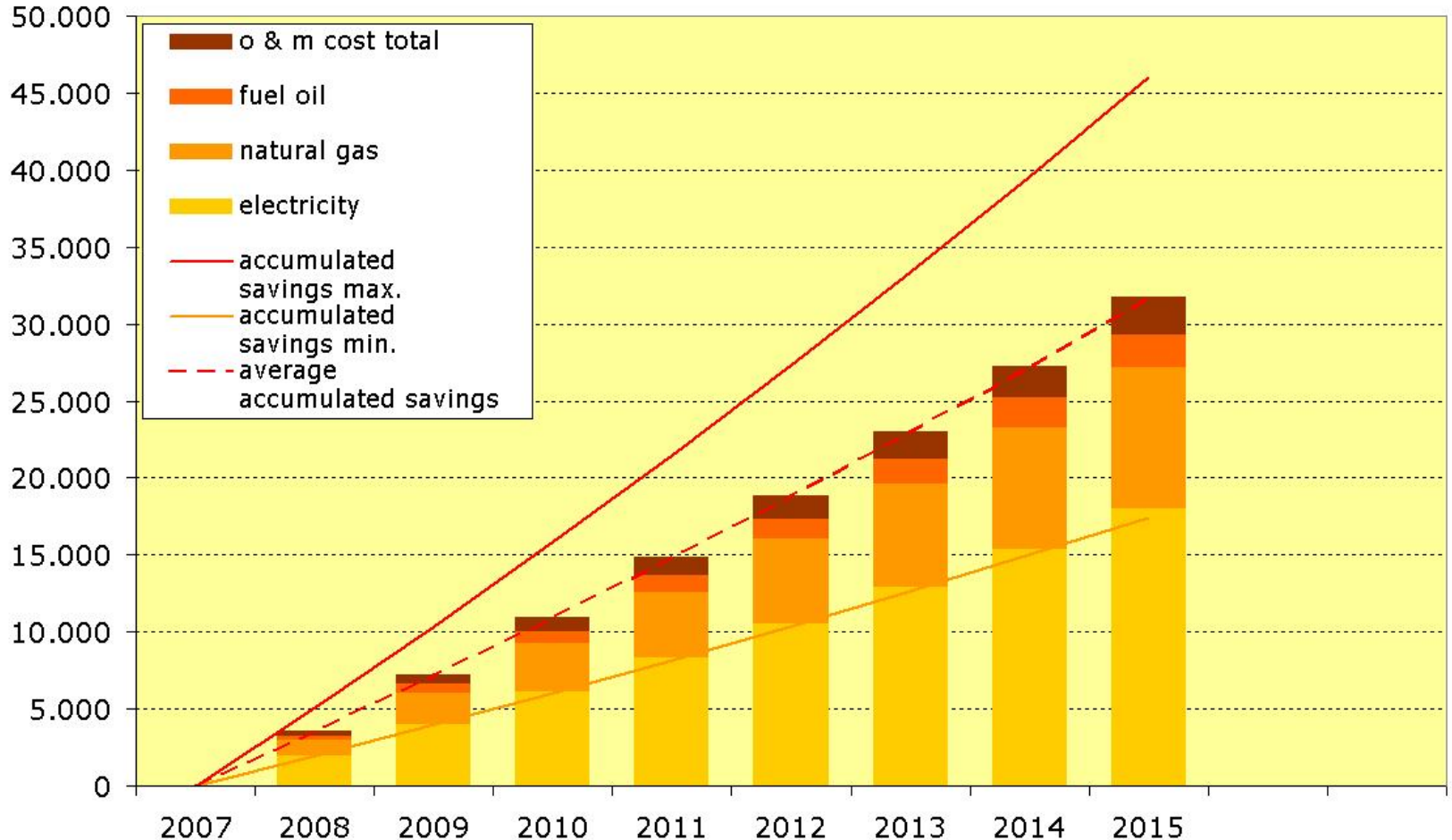
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project term	unit	actual	measures		remarks
			beginning	end	
dates	mm/yyyy	01/2007	07/2007	07/2015	considered project term of the measures: 8 years

# Opportunity Cost Tool: Accumulated Saving Potentials (2/3)

Task XVI  
"Competitive Energy Services"

**Accumulated Saving Potentials**  
max-, min- and average values (according to energy sources)



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# OpCo Tool: Saving Potentials (3/3)

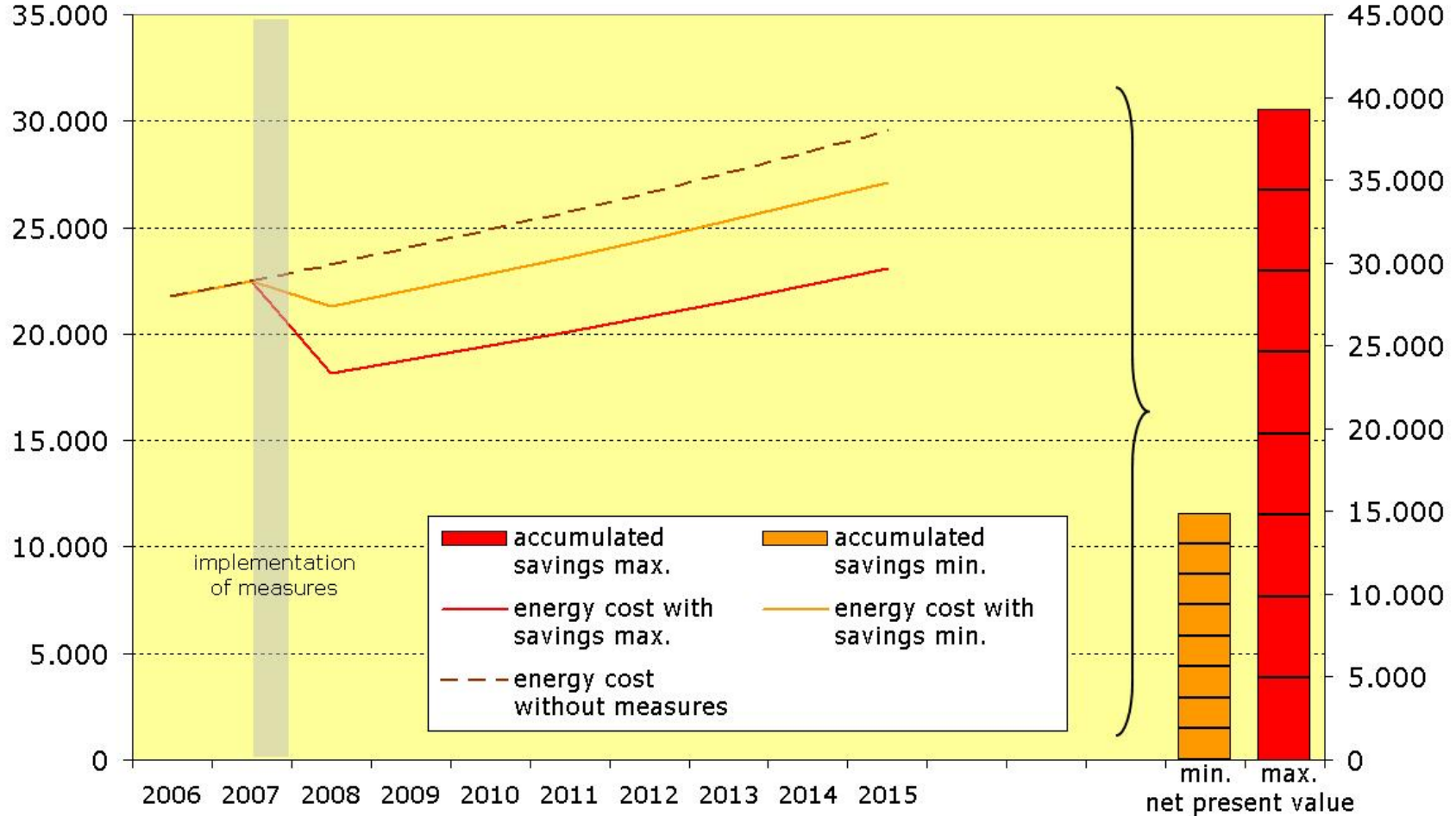
Task XVI  
"Competitive  
Energy  
Services"



## Energy Cost Development, Saving Potentials and Present Values (net present values equals investment potential)

annual energy cost €/a

net present values of savings €



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# Conclusions

- 1. Experience from first 15 consultations (commerce and industry sector): Tool works well for**
  - ✓ initial consultation
  - ✓ energy cost awareness raising and
  - ✓ introduction of Energy Services as an implementation tool for EE-measures
- 2. More Benchmarks would be nice to have, to facilitate estimation of saving potentials**
- 3. GEA will continue to use the Opportunity Cost Tool for it's consultancies and is offering to co-operate with other parties interested**

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## Questions to participants

**Do you need clarifications? Please ask.**

**Evaluation of:**

- ✓ **Do you think the Opportunity Cost Tool is helpful?**
- ✓ **Where could you use it in your daily work?**
- ✓ **Do you have additional remarks?**

**Please use yellow questionnaire**

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**Ergänzungen u. Kommentare gerne auch  
handschriftlich oder mit gelben Post-it dazukleben!**

# The Grazer Energy Agency Team



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