

Energy efficiency potentials and energy management practices in Swedish firms

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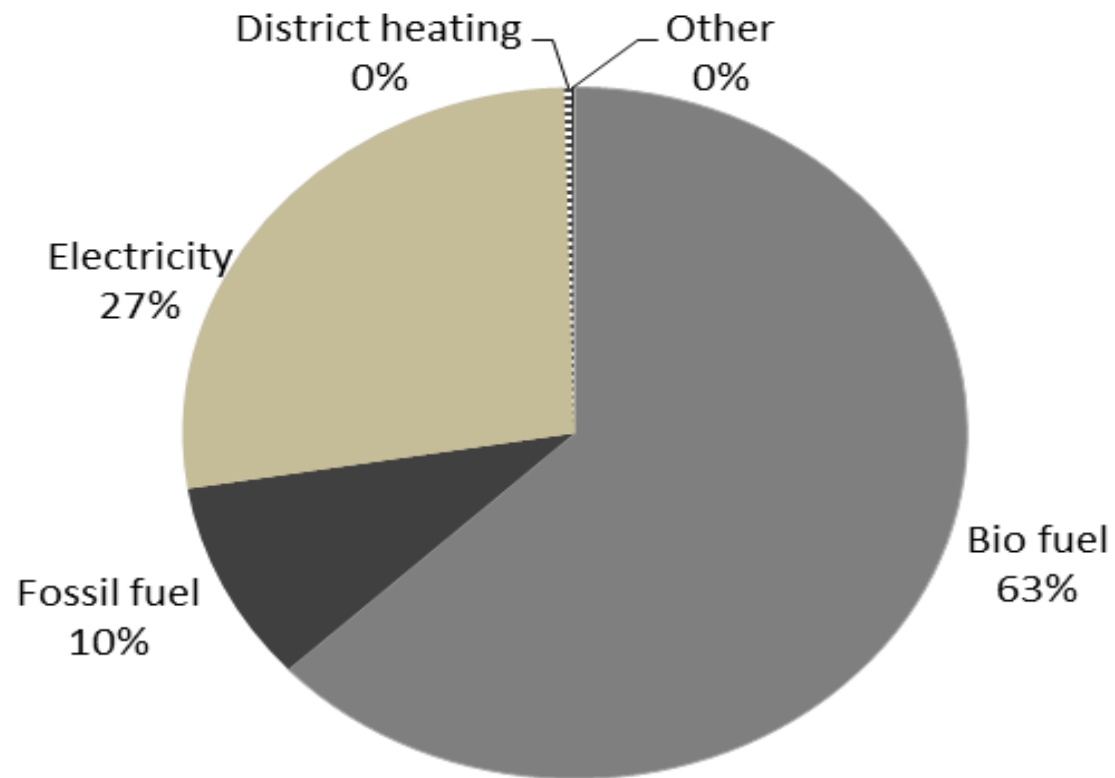
Aim

- i) To examine whether the PFE and the Energy audit program have increased energy management practices in Swedish firms
- ii) To investigate to what extent energy management practices influence firms estimation of energy efficiency potentials

Method

- Through a multiple case study of the energy intensive industries in Gävleborg County
- A web-based questionnaire was sent to 58 industrial firms in spring 2012
- Response rate 31%

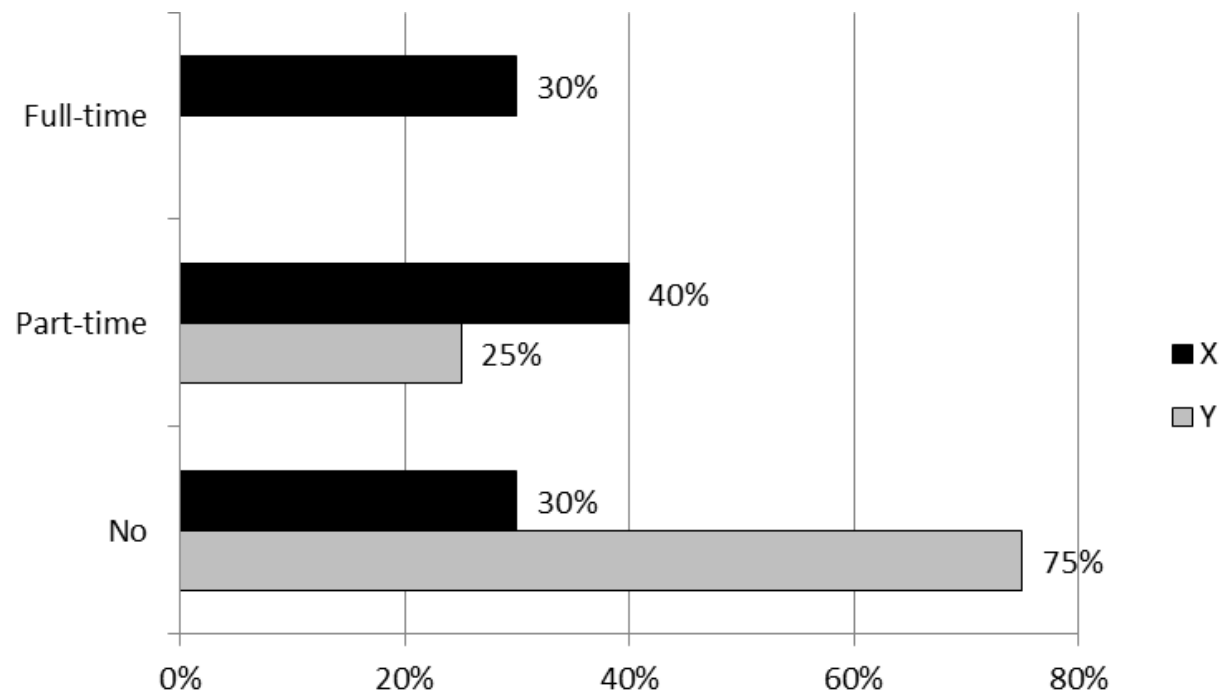
Energy use in Gävleborg



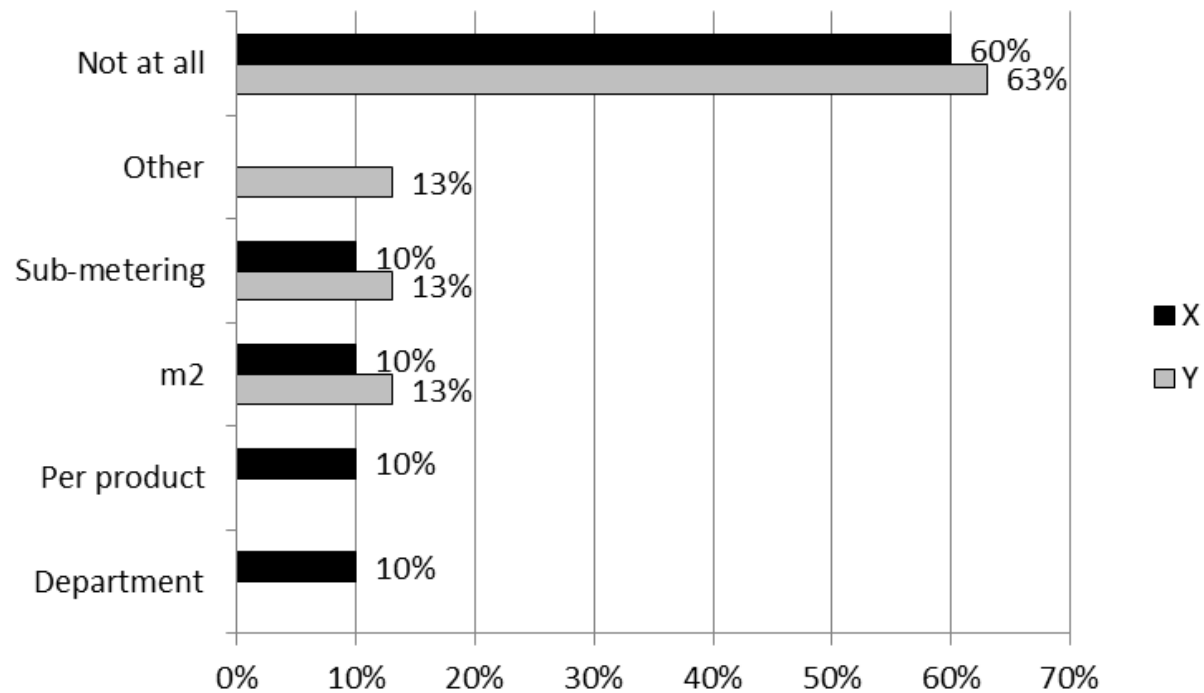
Categorisation

- Category X: firms that have participated in PFE or conducted an energy audit in the last three years.
- Category Y: firms that have not participated in PFE nor conducted an energy audit in the last three years

Energy manager



Allocation of energy costs



Estimated energy efficiency potentials

	Category	Potential for energy efficiency (%)
From technology	X	4.6
	Y	20
	All firms	6
From energy management	X	6
	Y	13
	All firms	6

Conclusion

- PFE and the Energy audit programme have increased energy management practices in Swedish firms
- The participating firms estimate higher potentials for energy efficiency from energy management



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