

2012-09-17

The Auditing Covenant in Flanders, Belgium

Analysis of the energy saving measures proposed in 2006 and 2009

Erwin CORNELIS – Geert REUNES

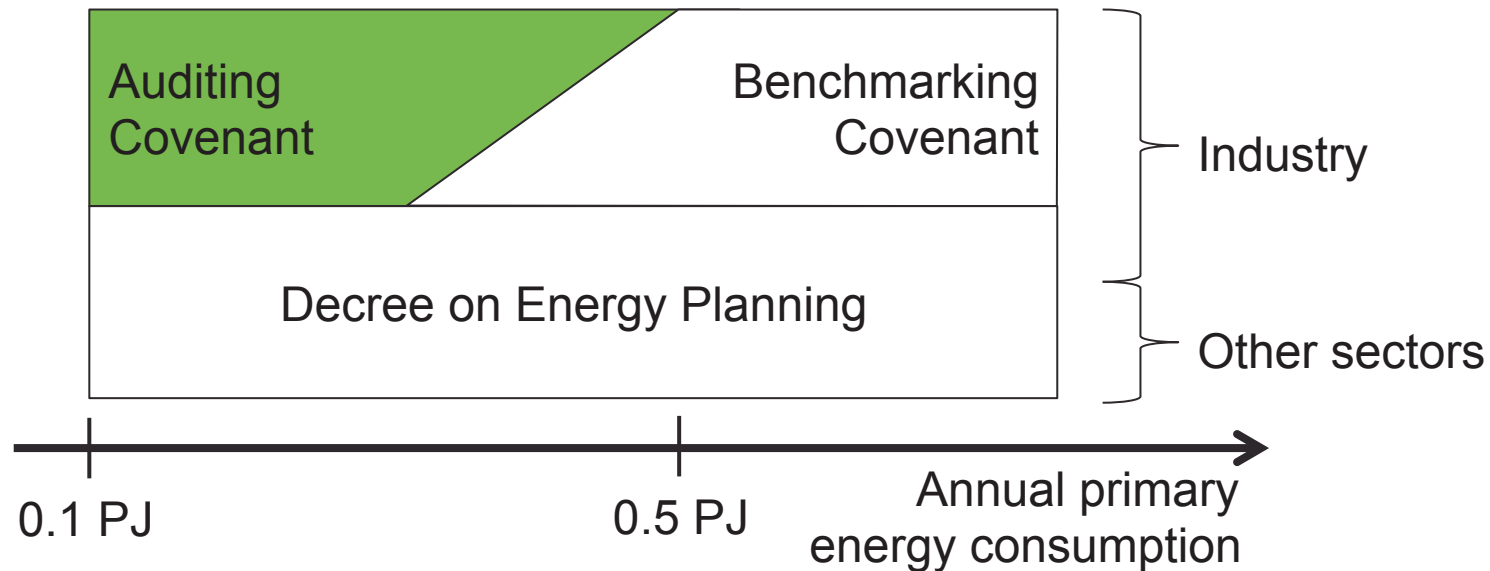
ECEEE Summer Study – Arnhem 2012

Outline

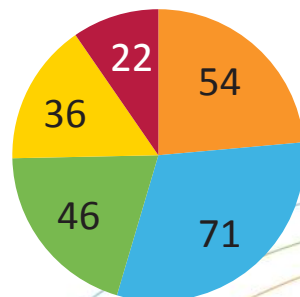
- » The Auditing Covenant on Energy-Efficiency in Industry
- » Analysis of the energy saving measures proposed in 2006 and 2009
 - » Will the Auditing Covenant achieve its indicative 10% energy savings' target?
 - » Did the financial crisis affect the commitments of the participants?
 - » Did the participants shifted their focus from utility optimization to process optimization?
- » Conclusions

The Auditing Covenant

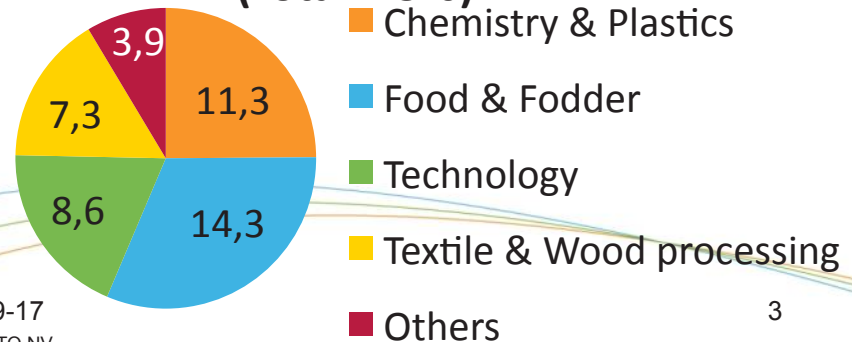
» Target group



**Number of participants
(Total: 229)**

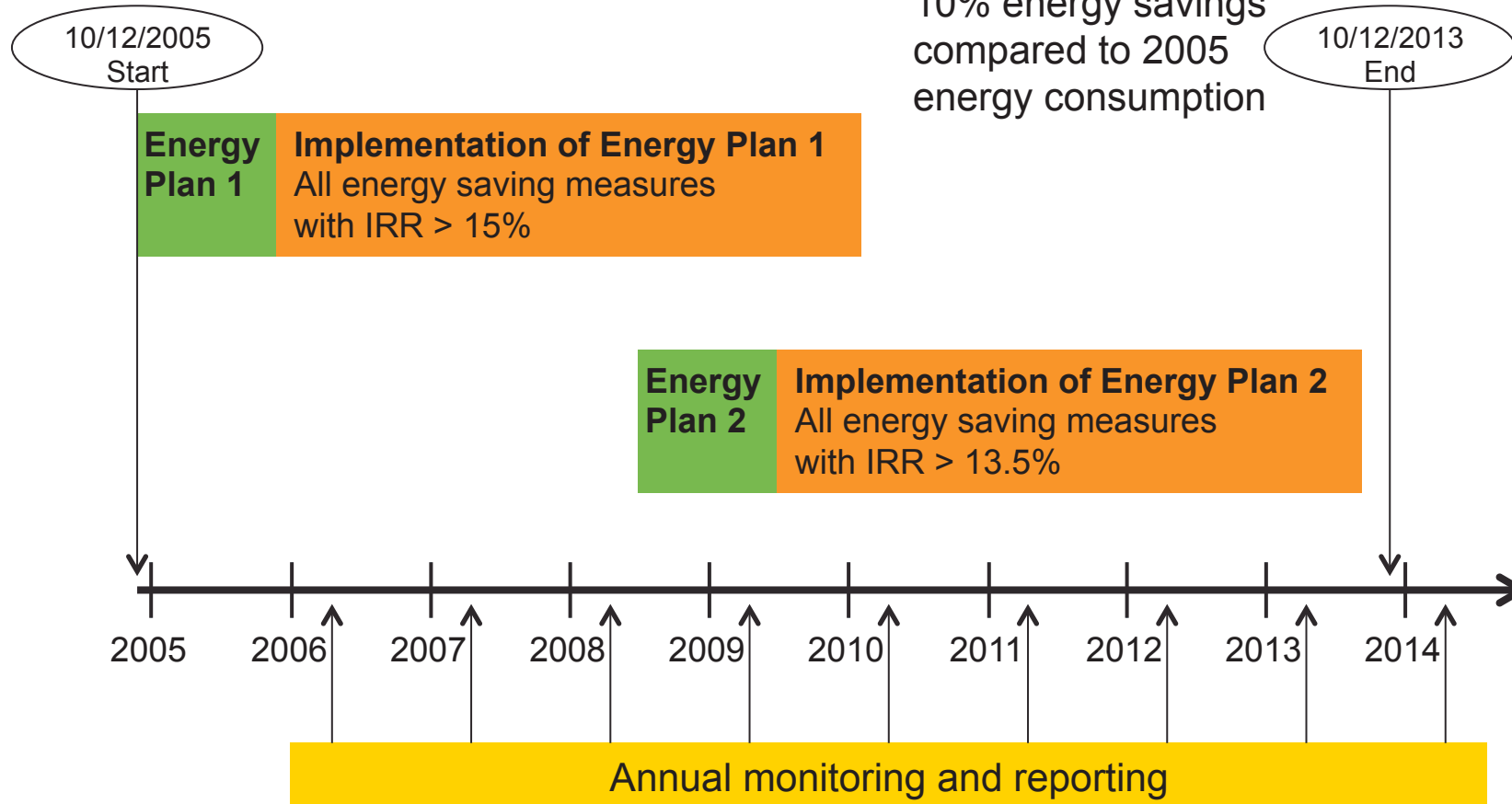


**Primary energy consumption
(Total: 45PJ)**



The Auditing Covenant

» Obligations



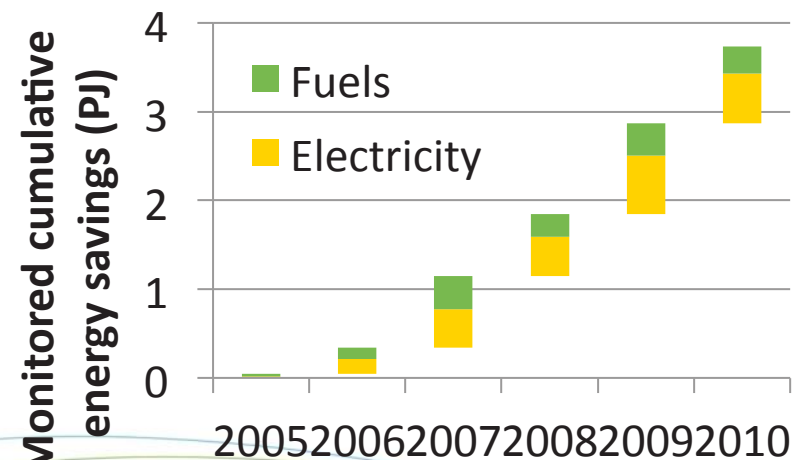
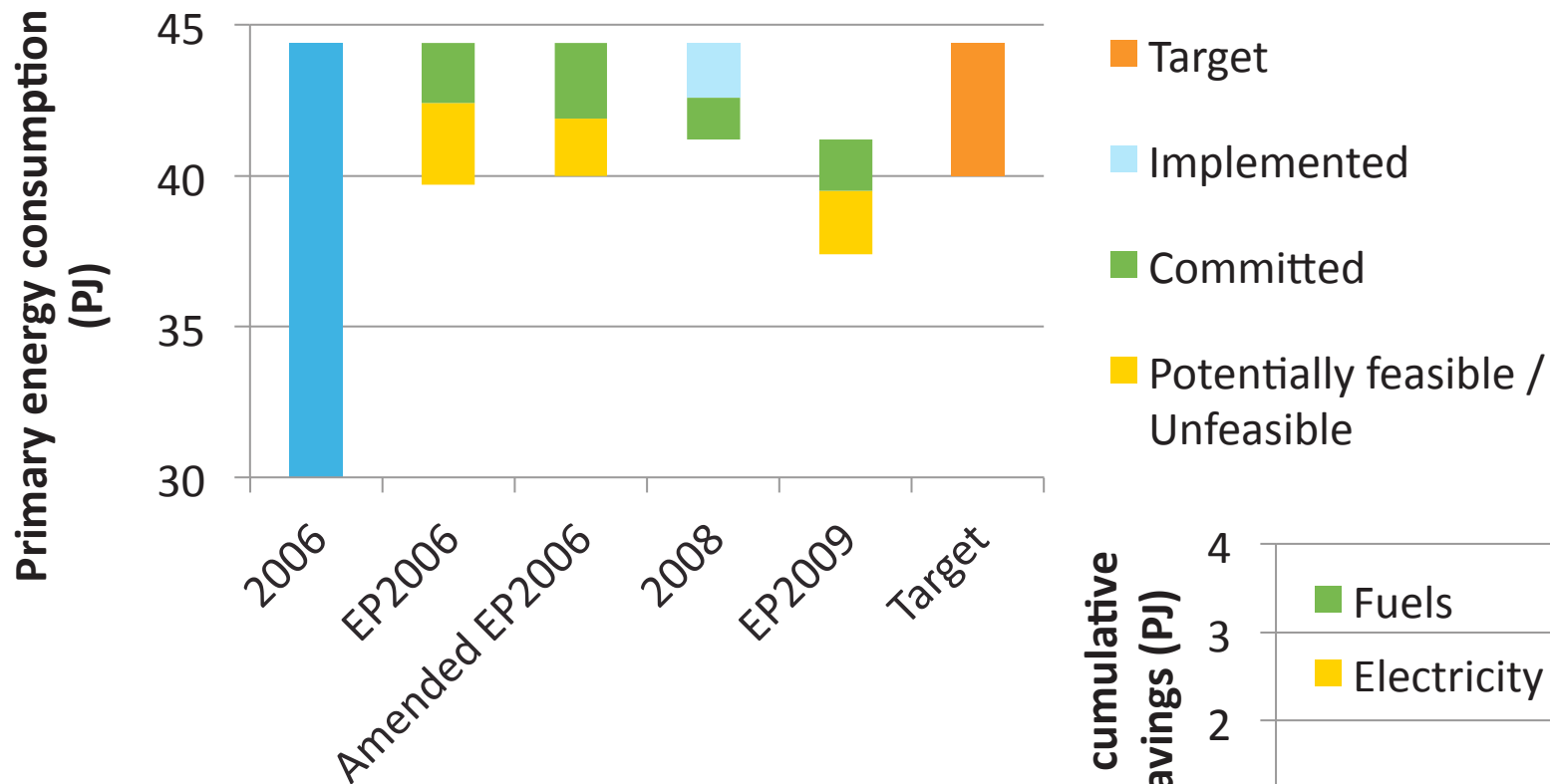
Overall indicative target:

10% energy savings compared to 2005 energy consumption

Analysis of the proposed energy saving measures

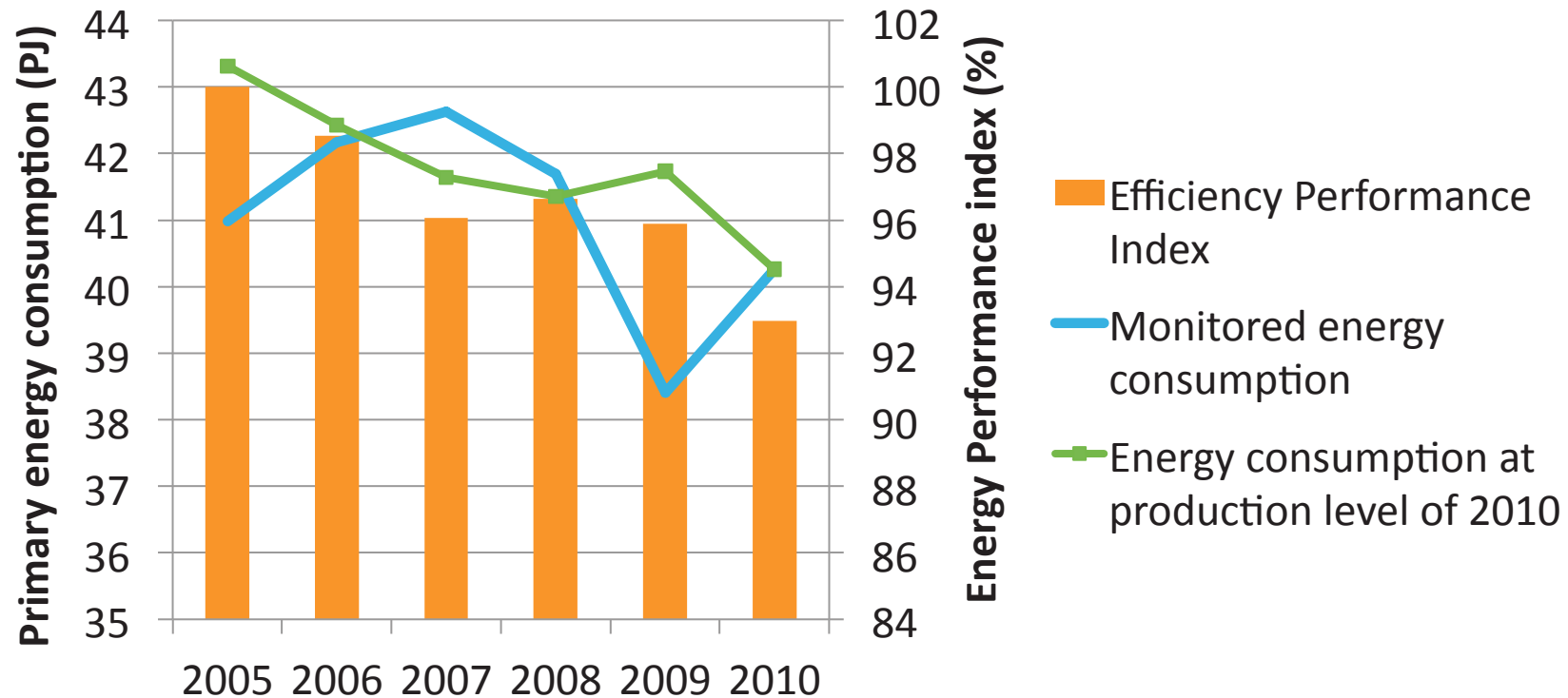
- » Energy plans submitted: in 2006: 218
 In 2009: 211 } 205 energy plans in both phases
- » Categorisation of energy saving measures
 - » According to subject: Non-process (utilities)
 Process-related measures
 - » According to level of commitment: Committed
 Potentially feasible
 Unfeasible
- » Ranking of energy saving measures
 - » All measures together
 1. According to level of commitment
 2. According to (investment cost) / (annual primary energy savings)
 - » Sector per sector

Will the Auditing Covenant achieve its indicative 10% energy savings' target ?



Will the Auditing Covenant achieve its indicative 10% energy savings' target ?

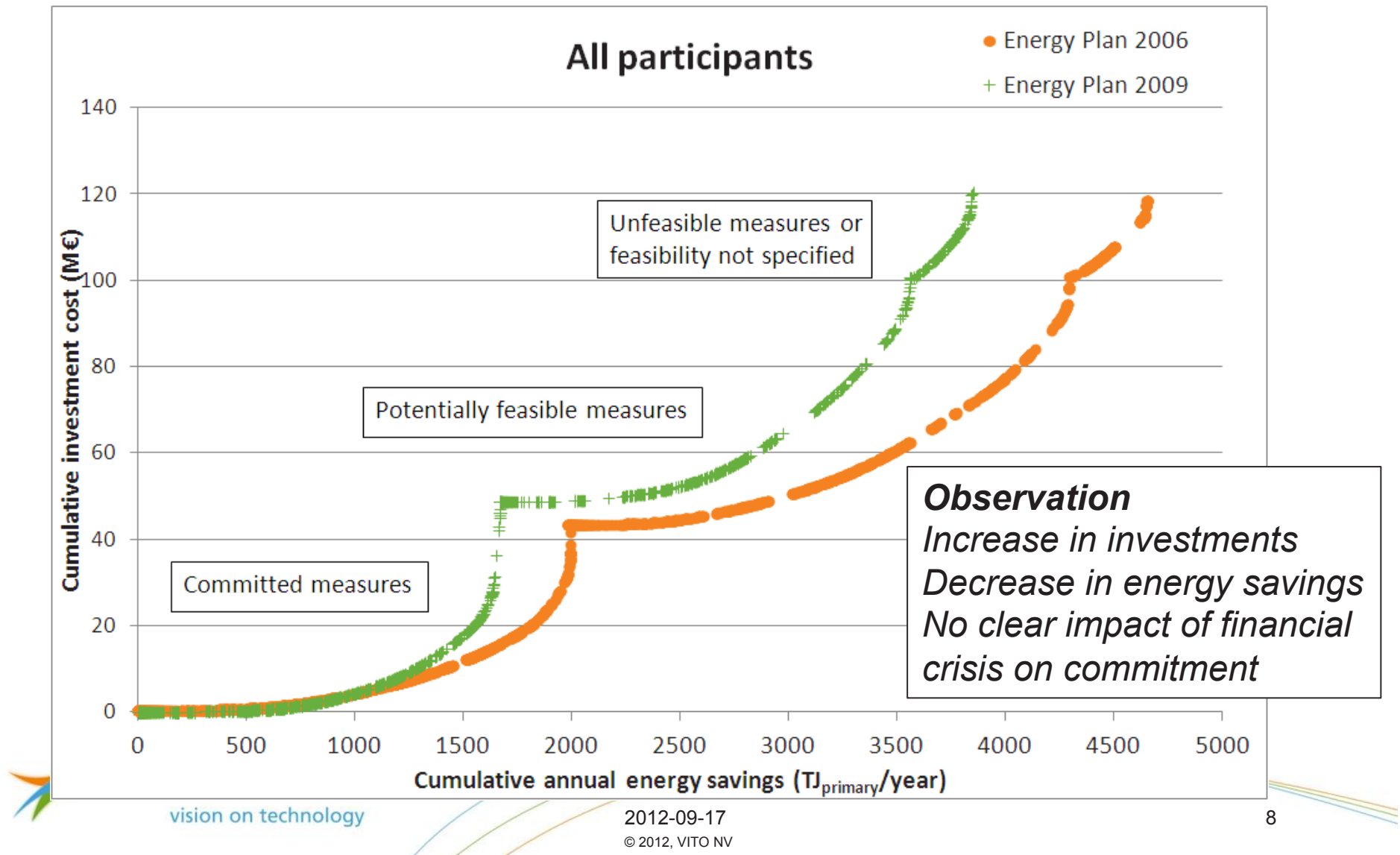
Energy Consumption (213 participants)



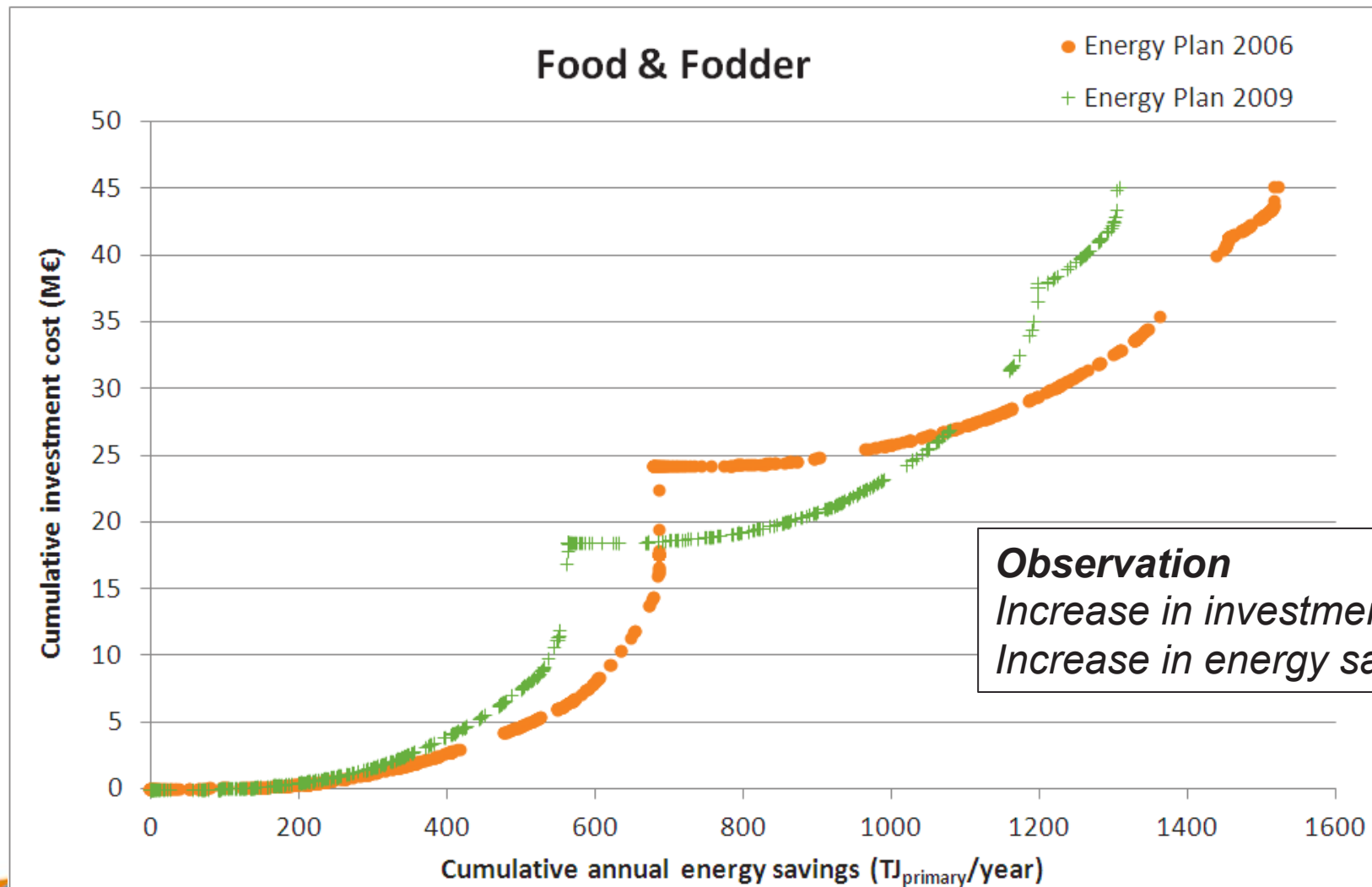
Conclusion

The indicative 10% primary energy savings' target will be reached.

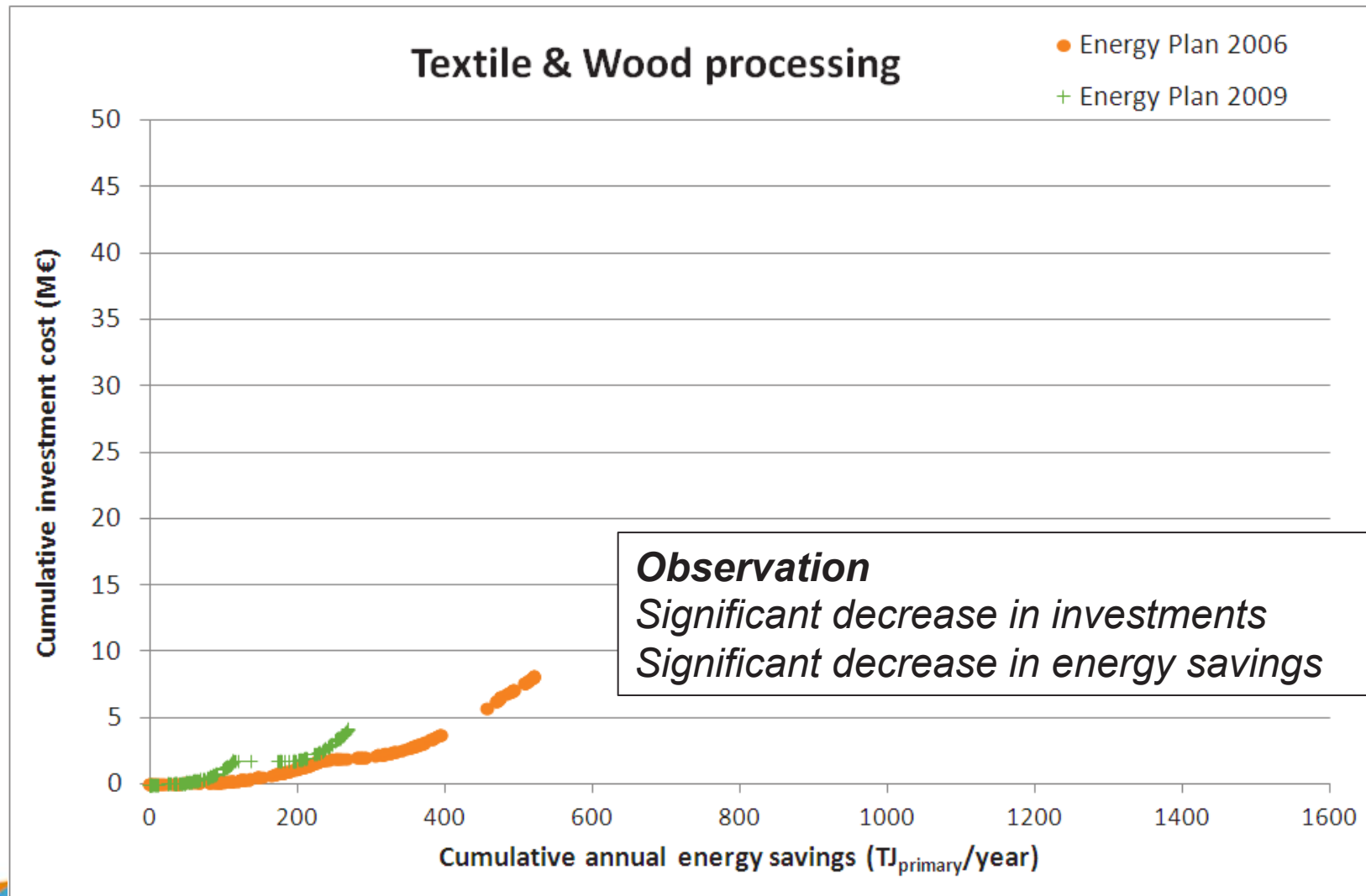
Did the financial crisis affect the commitments of the participants?



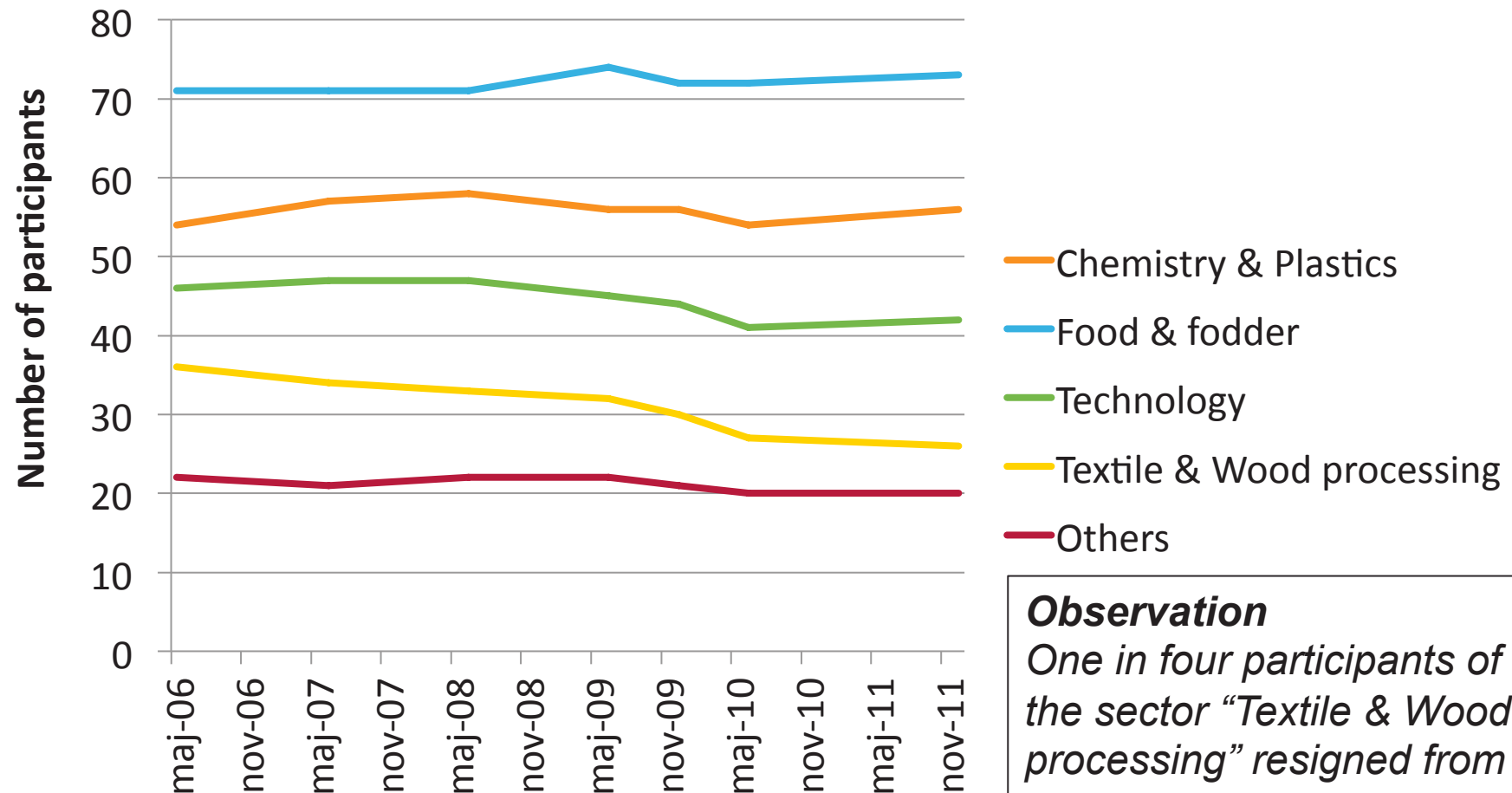
Did the financial crisis affect the commitments of the participants?



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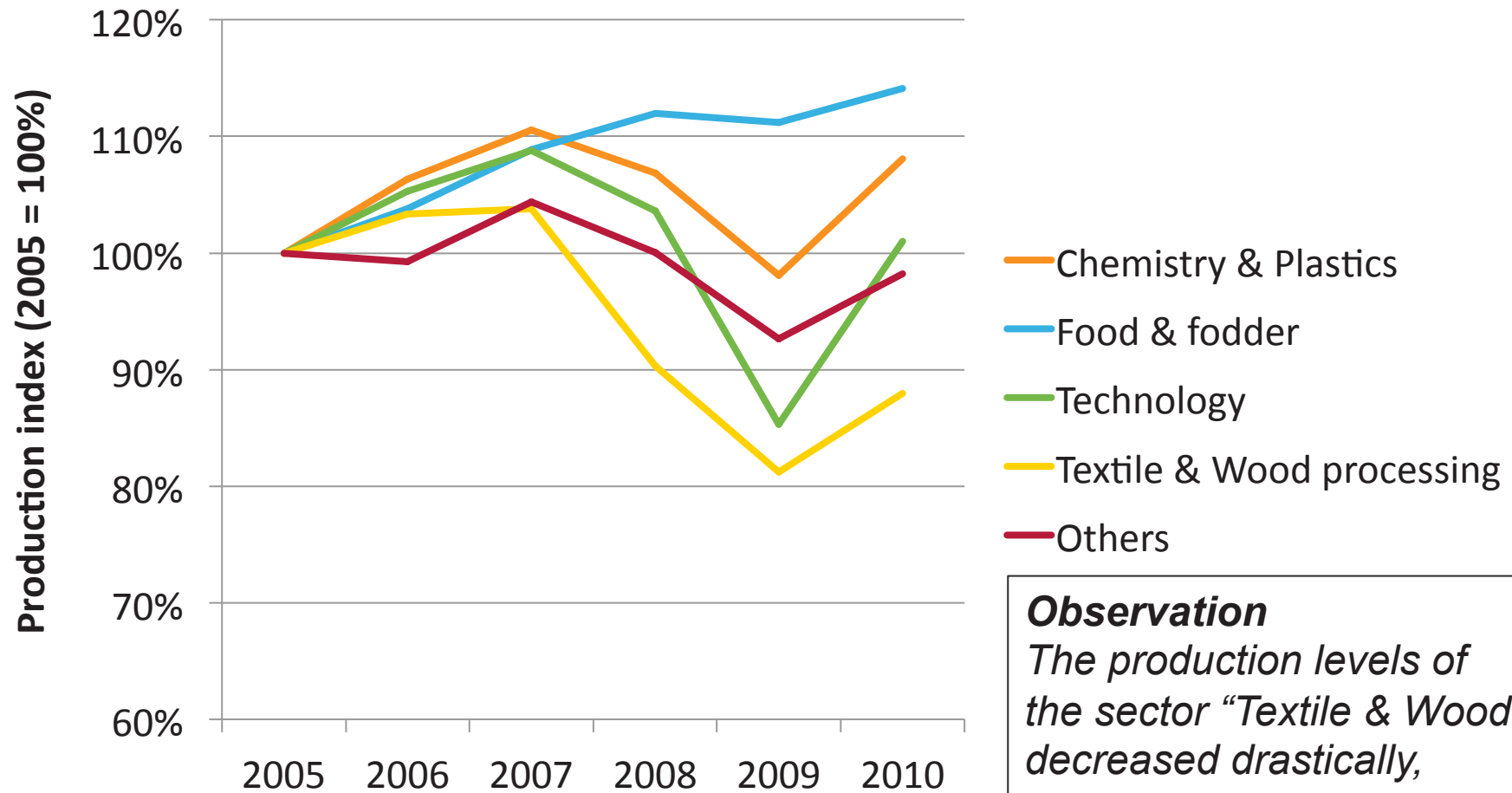
Did the financial crisis affect the commitments of the participants?



Observation

One in four participants of the sector "Textile & Wood processing" resigned from the covenant, significantly more than other sectors.

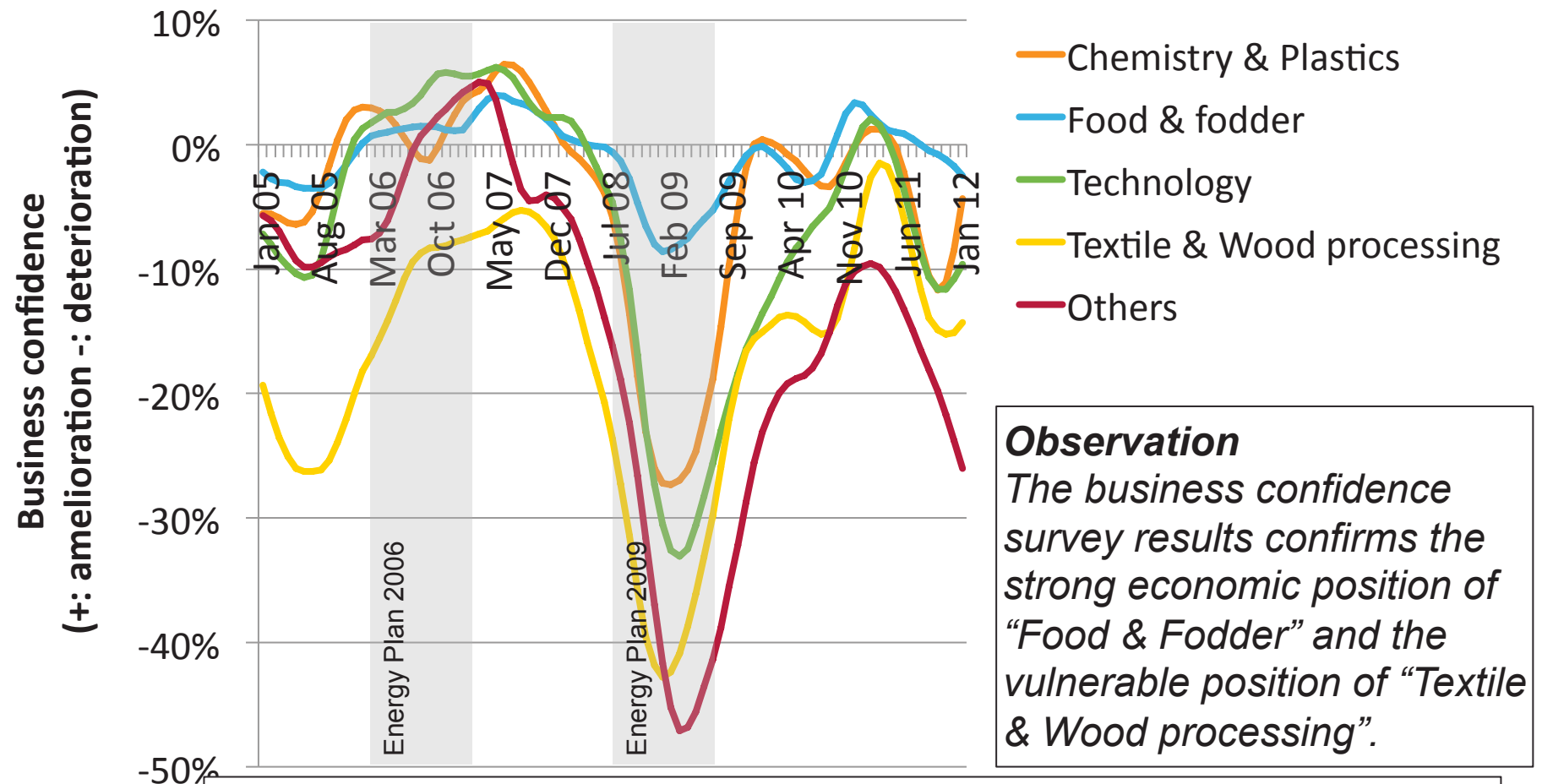
Did the financial crisis affect the commitments of the participants?



Observation

The production levels of the sector "Textile & Wood decreased drastically, significantly more than other sectors.

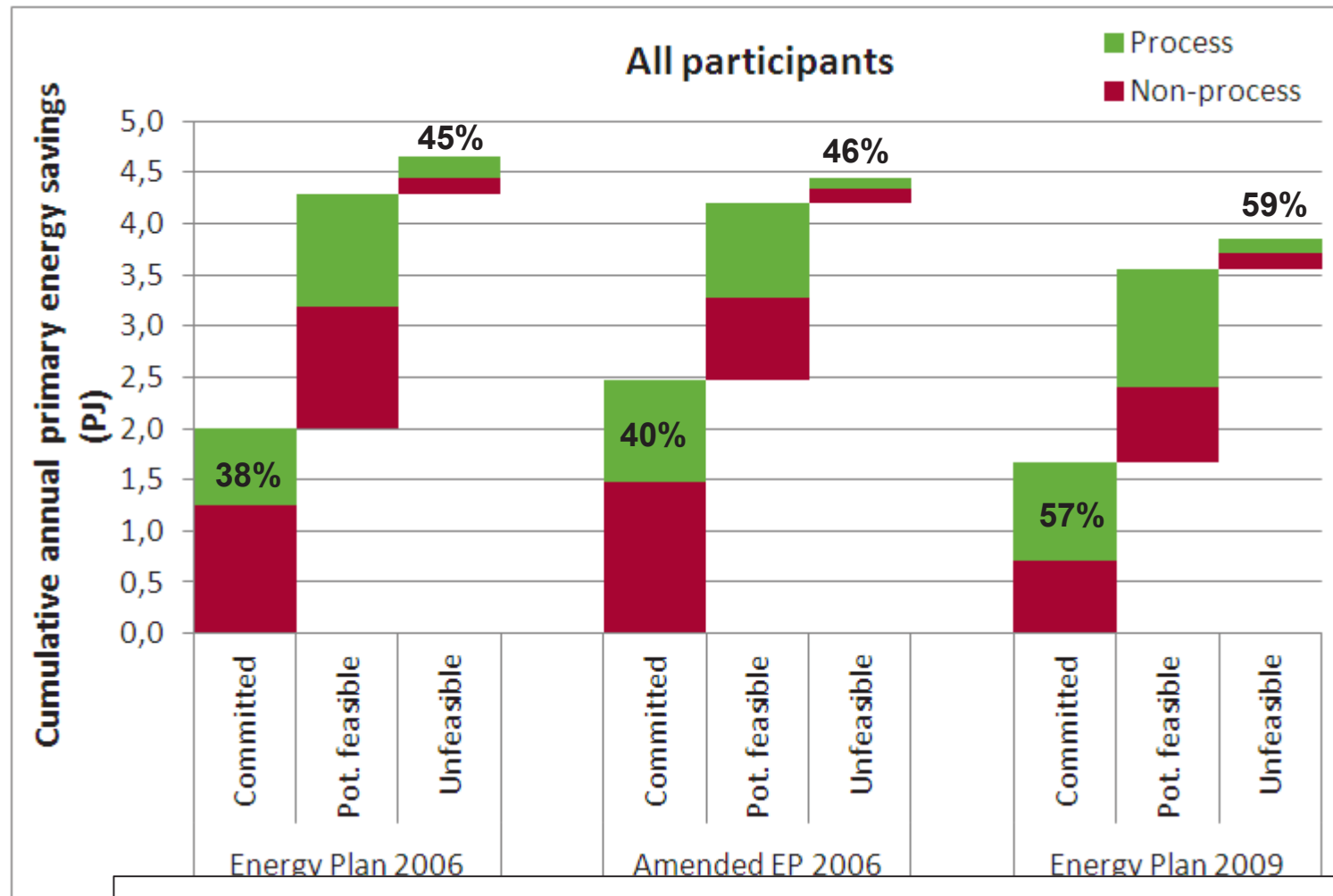
Did the financial crisis affect the commitments of the participants?



Conclusion

The economic crisis affected the commitment of the participants, but the effect is dependent on the economic strength of the company.

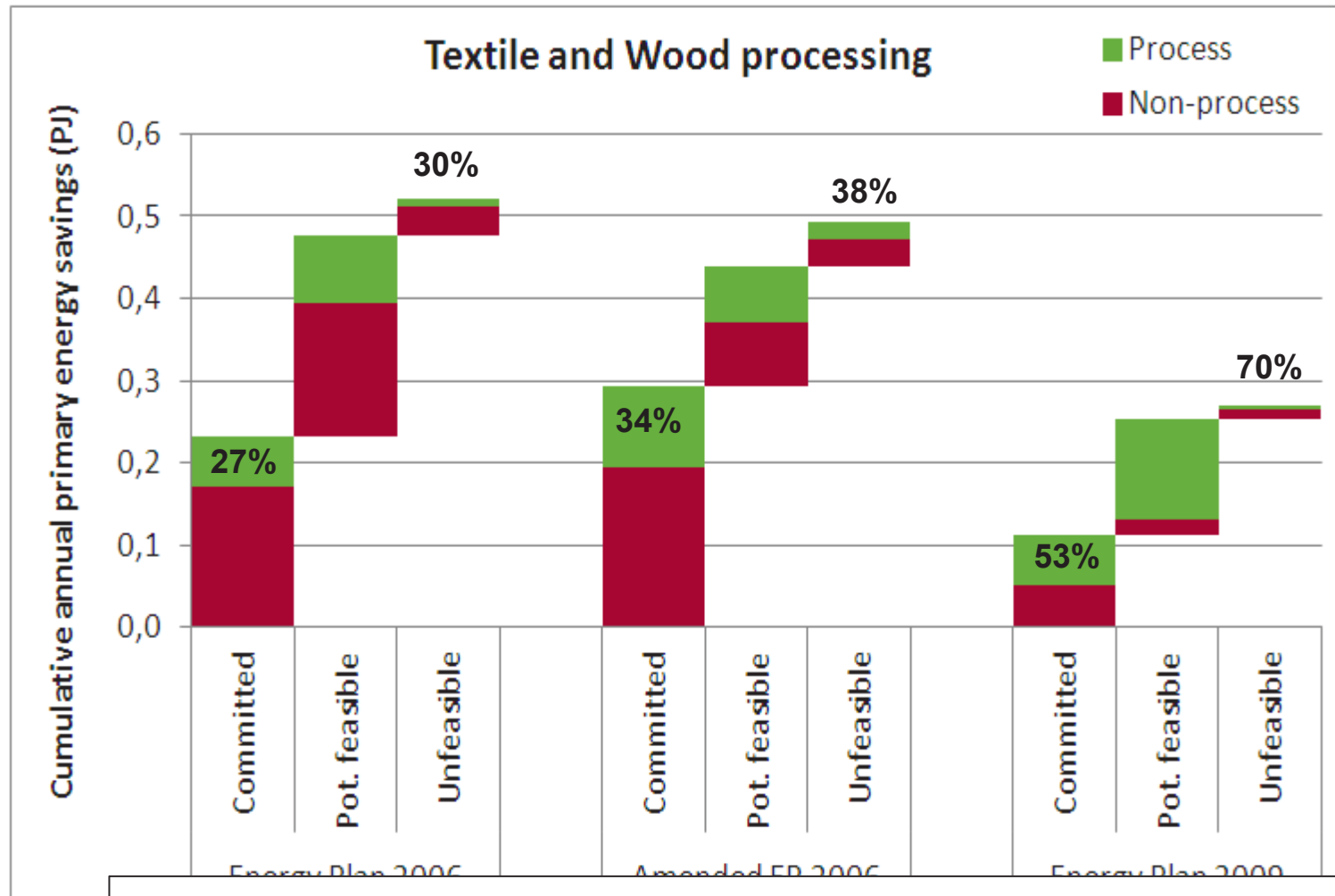
Did the focus shift from utility optimization to process optimization?



Conclusion

The participants shifted their focus from utility to process optimization.

Did the focus shift from utility optimization to process optimization?



Observation

The shift is very outspoken for the sector "Textile & Wood processing".

Conclusions

- » Analysis of the energy saving measures of the Auditing Covenant
 - » Proposed in 2006: at the start of the covenant
 - » Proposed in 2009: in full economic crisis
- » Will the Auditing Covenant achieve its indicative 10% energy savings' target ?
 - » Yes, the offered flexibility in commitment helps to achieve it.
- » Did the financial crisis affect the commitments of the participants?
 - » Yes, but the impact is dependent on the economic strength of the company or sector
- » Did the focus shift from utility optimization to process optimization?
 - » Yes
 - » The trend is most remarkable in economically vulnerable sectors.

Thank you for your attention

**Erwin
CORNELIS**

Expert
energy policy



VITO NV
Boeretang 200
BE-2400 MOL, Belgium

Tel. + 32 14 33 58 29
Fax. + 32 14 32 11 85
Mobile + 32 473 63 64 01
erwin.cornelis@vito.be
www.vito.be

**Geert
REUNES**

Head
Verification Office



Verificatiebureau Auditconvenant Vlaanderen
Roderveldlaan 5 - 1e verdieping
2600 Berchem

Tel: +32 3 286 74 50
Fax: +32 3 286 74 39

info@auditconvenant.be
www.auditconvenant.be