



EU conference on smart metering deployment

26 june2014

Smart meters Flanders

- 3.290.000 LV consumers
- Eandis (78%) and Infrax (22%) operates, maintains and develops the regulated electricity and gas distribution networks on behalf of the twelve DSOs in the Flanders region of Belgium.
- 2009 - 2010 test projects “POC” Eandis/Infrax 5000 smart meters E/G.
- 2012 – 2014 test projects Eandis/Infrax 50.000 smart meters E/G
 - Experience with roll out
 - Input update CBA 2013
 - Test new market process
 - Performance tests different communication techniques

ACTUALISATION CBA STREET-BY-STREET ROLL-OUT

Update CBA smart meters

- Update CBA 2013 for reasons:
 - EE-directive 2012/27/EU
 - Energy saving results from first pilot :
 - E : -3,4 % (previous CBA -1%)
 - G : 0 % (previous CBA -2%)
 - Cost new meter concept
 - Cost installation
 - Adjusted benefits for DSO smart grid
 - Adjusted benefit suppliers for prosumers

Results CBA full roll-out

- Update parameters gives negative tendency in comparison to CBA 2011 (- 157 M€ versus + 144 M€)
- Full roll-out can only result in a positive NCW with reduced cost of metering en higher benefits:
 - Synergy water meter
 - Possible additional saving on gas
 - Additional operational benefits
- Impact of higher costs for DSO on tariffs

ACTUALISATION CBA SEGMENTED ROLL-OUT

Assumptions fast roll out planning

	Van jaar	Tot jaar
Prosumenten	2015	2016
Budgetmeters	2015	2016
Commercieel	2015	2016
Residentieel >3.500 kWh/j	2016	2018
Residentieel 1.200-3.500 kWh/j	2018	2020
Residentieel <1.200 kWh/j	2020	2021

Results update CBA

- Update parameters gives negative tendency for a fast roll out i.c.t. CBA 2011, but result remains positive
 - + 149 M€ versus + 234 M€
 - No significant effect if budget meters are replaced on a larger period (ex. 5 year)

Assumption slow roll out planning

	Van jaar	Tot jaar
Prosumenten	2015	2016
Budgetmeters	2015	2016
Commercieel	2015	2016
Residentieel >3.500 kWh/j	2016	2018
Residentieel 1.200-3.500 kWh/j	2018	2033
Residentieel <1.200 kWh/j	2018	2033

Results update CBA

- Update parameters gives positive tendency for a delayed roll out i.c.t. CBA 2011
 - + 28 M€ versus - 265 M€
- Difference between fast and delayed roll out of non rentable segments is reduced by
 - Implementation of new communication technology
 - Detection of new benefits
 - Reduced impact on tariffs

Conclusions CBA 2013

- Global less positive image than in 2011
- Optimized roll out strategy can result in pos effect
- Roll out period has less influence on final result
- Impact on tariffs depend on allocation of costs
- Necessity to look for new cost savings and additional benefits
- Importance of engagement of consumer and supplier of energy and services

Planning Smart meters in Flanders

- Decision on the level of Flemish government
- Ongoing tests projects
 - Test of business- en market process
 - Social Obligations
 - Information of consumers
 - Privacy
- New metering tariffs