

Plan Wathelet – Demand Response

Users' Group (Plenair)
26 sept 2013



Background

Plan Wathelet

- July 2012: Wathelet publishes a proposal to tackle adequacy problems
- July 2012: The government takes an initial decision
- July 2013: The government takes a more elaborate decision on the Plan Wathelet, amongst others strategic reserves (by Winter 2014/15, depending on creation of legal framework) and a particular focus on demand response.

Beslissing kernkabinet, juli 2013:

[...]

*“Op gebied van **vraagbeheer** is de ambitieuze doelstelling om supplementair de ontwikkeling van 400MW mogelijk te maken (dus bovenop de bestaande capaciteit geschat op 331MW) tegen het jaar 2015 dankzij de verbetering van het reglementair kader et dankzij het in rekening nemen van het vraagbeheer in het toekomstige mechanisme van **strategische reserve**. Deze doelstelling betekent meer dan een verdubbeling van de huidige capaciteit van de onderbreekbare contracten die afgesloten zijn tussen de transportnetbeheerder van elektriciteit en de Belgische industriële grootverbruikers.”*

Beslissing kernkabinet, juli 2013:

[...]

*Een **strategische reserve** wordt gecreëerd, gevoed en geactiveerd in geval van een risico voor de bevoorradingszekerheid dat niet gedekt wordt door de markt. Aan deze reserve zullen, op basis van een in mededingingstelling, kunnen deelnemen:*

- *de offertes van vraagbeheer door de grootindustrie of door “aggregatoren”*
- *productiecentrales die “buiten de markt” staan (tijdelijke sluitingen)*

Elia/Febeliec Demand Response survey

Background

How it was born...

- A joint project Elia/Febeliec with the goal to develop more possibilities for demand response
- First step is to gauge the technical & economic potential (→ survey), followed by defining products.
- Energyville participates as consultant for the survey.

Scope

- Initially, oriented on concepts of strategic reserves
- Finally, extended to other time frames and products (e.g. linked to Bid Ladder)

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High-level info

Goals

- Technical potential: MW - MWh
 - Economic potential: €/MW - €/MWh
- In end aiming at concrete product concepts

Timing

- 2/9: distribution of the survey among all Elia direct connected load
- 25/9: info-session
- 30/9: deadline for respondents

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Questions asked

1. General info

1. Contact info
2. Work regime

2. Block I: basic questions

1. Energy needs
2. Availability of flexible and interruptible consumers
3. Economic and technical conditions

3. Block II: detailed questions

1. Flexibility in local production
2. Flexibility in energy consumption
3. Flexibility and regulatory/economic framework

4. Background and interest

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Questions asked

Potential

- Technical potential: Is the volume out there?
- Willingness to participate: Are the economics right?

Financials

- Which fixed-variable remuneration balance could trigger participation?
- Which level of remuneration is realistic?

Product characteristics

- What are the limits of the volumes in terms of start-up time, duration, ramping, availability,...?

Framework

- Are intermediaries (e.g. aggregators) useful to facilitate SDR? (e.g. pooling of volumes into firmer products, taking care of operational issues)

What hampers participation in the already existing framework?

- Price caps, contractual framework,...?

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Next steps

- **Once all answers are collected, Energyville will process the data.**
- **Results expected by early November.**
- **Feedback to Users' Group on next Plenary meeting.**
- **Defining & developing products, procedures,...**