

WG Adequacy #34 – Minutes of the Meeting

Tuesday 5th of November 2024

Meeting

Date	05/11/2024
Organiser	Voet Jan

Participants		Attended
Baugnet Christophe	Engie	<input checked="" type="checkbox"/>
Boucquey Pascal	CREG	<input checked="" type="checkbox"/>
Boustani Zackaria	FOD Economie	<input checked="" type="checkbox"/>
Collilieux Mathieu	Total Energies	<input checked="" type="checkbox"/>
Coppin Xavier	Engie	<input checked="" type="checkbox"/>
De Taeye Bert	Infrabel	<input checked="" type="checkbox"/>
Delferiere Alan	FOD Economie	<input checked="" type="checkbox"/>
Gérard Thibaut	Thermovault	<input checked="" type="checkbox"/>
Harlem Steven	Luminus	<input checked="" type="checkbox"/>
Lippens Pierre	Flexcity	<input checked="" type="checkbox"/>
Marin Alexandre	Thy-Marcinelle	<input checked="" type="checkbox"/>
Pary Maximilien	Total Energies	<input checked="" type="checkbox"/>
Rkiouak Laylla	FOD Economie	<input checked="" type="checkbox"/>
Strosse Tom	Eneco	<input checked="" type="checkbox"/>
Taverniers Hans	Tessenderlo	<input checked="" type="checkbox"/>
Thijs Dennis	Nala Renewables	<input checked="" type="checkbox"/>
Tirez Andreas	Febeliec	<input checked="" type="checkbox"/>
Van De Keer Lieven	BSTOR	<input checked="" type="checkbox"/>
Van den Bosch Sven	Fluvius	<input checked="" type="checkbox"/>
Van Doorslaer Guillaume	CREG	<input checked="" type="checkbox"/>

Van Gijzeghem Francies	ABDE	<input checked="" type="checkbox"/>
Vandenbrande Eric	Engie	<input checked="" type="checkbox"/>
Vandersyppe Hans	COGEN Vlaanderen	<input checked="" type="checkbox"/>
Verbruggen Thomas	Nyrstar	<input checked="" type="checkbox"/>
Verrydt Eric	Zandvliet Power	<input checked="" type="checkbox"/>
Wagnier Jean-François	FEBEG	<input checked="" type="checkbox"/>
Willemot Guy	Tessenderlo	<input checked="" type="checkbox"/>
Piet Van der Biest	Siemens Energy	<input checked="" type="checkbox"/>

Report

Author	Doan Nguyen
Function	PMO Adequacy
Date report	13/11/2024
Status	<input type="checkbox"/> Draft <input checked="" type="checkbox"/> Final version

1. Agenda

- Welcome
- Approval of meeting minutes
- 2024 Auction results
- Public consultation for the next Adequacy & Flexibility study
- AOB
- Next meetings

2. Minutes of Meetings

Disclaimer: The slides used as a support of the presentation are available [online](#). The minutes of meetings only cover the discussions that took place during the Working Group.

Approval of meeting minutes

No comments on the meeting minutes are made.

2024 Auction results

COGEN Vlaanderen asks if there will be a reporting for the pre-delivery monitoring to which Elia replies that there is no public reporting foreseen for the pre-delivery monitoring.

COGEN Vlaanderen asks if it's correct that the volume in the Y-1 auction which was offered but not awarded is part of the capacity available in the CRM but not contributing to the CRM. Elia confirms this. (Clarification after meeting: these volumes can participate to secondary market though).

BSTOR makes a remark to the CREG about item 24 on the Y-4 auction report for which the sum of the amount is not accurate, while it is for Y-1. CREG says they will look at it.

Public consultation for the next Adequacy & Flexibility study

On the topic of the Adequacy methodology, Febeliec suggests that in the ERAA methodology there are three approaches allowed for climate data. The forward looking climate data, used by Elia, is one of the options. Febeliec nevertheless asks Elia whether it could -next to the forward looking data- could also compute results using the other option based on the last 30 historical years. Febeliec asks for this information since Elia cannot share the forward looking climate data (property of Météo France). Elia explains that it took a lot of work to move to this forward-looking Météo France database in order to take into account climate changes (approach which is ERAA-compliant) and that as such doing 2 studies in parallel with 2 different climate databases would not be possible in terms of time and workload.

Febeliec notes that this will then remain a blackbox since the data is not available to them and thus they can't see the climate years. Elia adds that it's not a blackbox seeing that Elia has published descriptive characteristics including an analysis of the heating degree days of the forward-looking climate years compared to historical years. Elia can also foresee an additional comparison with the 30 historical years based on descriptive parameters, providing even more transparency on both datasets, comparing input data.

For the Economic Viability Assessment, Febeliec asks if the WACC here is the same as the WACC used for the calculation of the LOLE (Loss of Load Expectation). Elia confirms the same methodology is used including the approach of the hurdle premium.

Regarding the EV profiles, the CREG asks if the EV profiles are available. Elia confirms the aggregated EV profiles profiles used in the study will be shared (raw data are under NDA)

COGEN Vlaanderen asks for some clarification on the 20% for the secondary heater relating to the HP consumption proposed parameters reviewed by UGhent. Elia explains that this is a percentage of the energy demand, the assumption is that secondary HP's do not provide total heating demand where they are installed (e.g. they have gas boiler on the side as well).

About the new large-scale loads and the three submitted scenarios, COGEN Vlaanderen asks if there is a bias on the forecast. Elia answers that there is no bias. The information given by the customer is not binding information, it is challenged by Elia Key Account Managers during one-on-one exchanges. Febeliec also questions if it is possible to have a back-test to for example see what was announced 5 years ago compared to what has been realised. Elia replies that the exercise hasn't yet been done for 5 years and they can only go back for a limited amount of time, but they have presented before in the WG of August the impact of this load management exercise compared to the last one.

For the high scenario, CREG asks why Elia takes exponential uptake of AI demand together with the heavy industry increase, instead of having for example a central scenario for one and a high scenario for the other. Elia explains that this is done in order to cover the whole range of what could be happening, the exponential trajectory is based on the input of customers.

Febeliec wonders if a decrease of the existing usage for the proposed load of the current central trajectory is not possible. Elia indicates that the results actually show a slight increase since they consider energy efficiency as well as some recovery from the energy crisis and projections of macroeconomic growth. Febeliec asks if there is a breakdown of that in the excel. Elia replies that there is no breakdown in the excel for the moment and mentions that for energy efficiency they are looking at all the appliances in the residential and tertiary sector. Elia also points out that most of the industry consumption is based on the load management exercise.

Additionally, CREG is curious as to why losses are increasing in the total consumption. Elia clarifies that the losses are computed based on the total load, so a higher load results in an increase in losses, even when considering auto-consumption. The evolution of the grid losses was also presented in previous WG's Belgian Grid (linked to RES, energy flows, technologies, etc.).

COGEN Vlaanderen refers back to the proposed central flexibility per process and asks if it is implicit flexibility that is being considered. Elia confirms. COGEN Vlaanderen questions which price is then used. Elia explains that the price indeed differs for each application and more details can be found in the methodology appendices that will be published today.

With regards to the end-user flexibility, Febeliec inquires on the number of electric vehicles. In 2025 the consumption of EV's is set to 700000 whereas it was shown before that in 2024 the number was already at 630000. Elia replies that this is equivalent electric vehicles, meaning plug-in hybrids can't be looked at in the same way as battery electric vehicles. Elia also adds that light duty vehicles are considered here. Febeliec also suggests to consider trucks consuming during the night and/or avoid evening peak.

As to the residential heat pumps, COGEN Vlaanderen asks if it is assumed that they have the same amount of flexibility throughout the whole year. Elia confirms that relatively speaking they do not differentiate between the seasons because the assumption is that they are only present in new or renovated buildings properly insulated.

With regards to the EU assumptions, Febeliec asks what the impact is on the TWh compared to the previous Adequacy study since there is now a new methodology and new data. Febeliec refers to the 2023 AdeqFlex study wherein assumptions were made on the availability of nuclear power in France. Elia suggests checking the public consultation and to make comments if anything is unclear.

Next to that, Febeliec remarks that for Germany the electricity demand forecast didn't change much compared to the previous study, while the electricity demand in Germany is expected to be much lower. Febeliec wonders if it's ok to be that optimistic towards demand. Elia explains that this is based on the latest data from the ERAA 2024 and that they did not assume any predictions. However, it could possibly be checked and compared to the realized data for 2024.

On the proposal for investment costs, Siemens Energy mentions that CRM bids are listed as available information, however these bids do not reflect at all CAPEX information. Elia confirms it and explains that the slides sent in advance were containing a typo: the CAPEX proposed for the AdeqFlex study are not based on CRM bids as source, the CAPEX proposed are using as one of the sources the CAPEX values selected by the Minister in the CRM framework.

AOB

No comments.

3. Next Meetings

The next meetings are currently foreseen on:

- **Friday 22/11/2024: WG (from 09:30 to 12:30)**
- **Wednesday 18/12/2024: WG Adequacy (from 09:30 to 12:30)**
- **Monday 27/01/2025 : WG Adequacy (from 13:30 to 16:30)**