



**SINGLE ELECTRICITY MARKET  
COMMITTEE**

**SEM PLEXOS Model Back Cast and  
Validation Project**

**Information Paper**

**19<sup>th</sup> January 2024**

**SEM-24-004**

## **Information Note**

The Regulatory Authorities (i.e. CRU & UREGNI) are hereby notifying market participants of their intention to commence a SEM PLEXOS Model Back cast and Validation project before the end of Quarter 1 2024.

The RAs are notifying relevant stakeholders that NERA Economic Consulting have been appointed to progress the back cast and validation and will update the RA's current SEM PLEXOS Model ([SEM-21-086](#)). To meet potential demands for longer term modelling exercises, the RAs have decided to complete a validation of the SEM PLEXOS Model out to 2032. A back cast using out-turn market data will be undertaken to test model settings and parameters, and will build upon previous back cast findings.

Both the RAs and the appointed consultants for this project will be liaising with relevant market participants to validate the representation of their generation units in the market in due course, and such participants shall be required to provide all requested data to the RAs in accordance with:

- *UREGNI Generation Licence, Condition 11: Provision of information to the Authority; and*
- *CRU Generation Licence, Condition 12: Provision of information to the Commission.*

To facilitate the timely completion of the RAs' data requests, the Market Modelling Group (MMG) and appointed consultants will be circulating technical data information requests to relevant stakeholders and will provide defined timelines for the completion of such requests.

The RAs welcome market participants' comments and their view(s) of key focus areas for this project. **All comments and views can be directed to Lisa Murray at the Market Modelling Group ([mmg@cru.ie](mailto:mmg@cru.ie)) before close of business on Friday, 9<sup>th</sup> February 2024.**