



Single Electricity Market Committee

SEM PLEXOS Model validation

Information Note

SEM-21-041

INFORMATION NOTE

On the 21 December 2020, the SEM Committee published a Forward Work Programme ([SEM-20-079](#)), which noted, inter-alia, that the Regulatory Authorities (i.e. CRU & UREGNI) would be commencing a SEM PLEXOS model validation and backcast in Q1/Q2 2021.

In order to complete the forthcoming SEM PLEXOS model validation, the Regulatory Authorities (RAs) are hereby notifying relevant stakeholders that NERA Economic Consulting have been appointed to progress the validation, and to update the RAs existing SEM PLEXOS model ([SEM-20-003](#)).

To meet potential demands for longer term modelling, and to align, where possible, with the 10 year timelines in the Transmission System Operators' (TSOs) All Island Generation Capacity Statement (which is a key source of data for the SEM PLEXOS model validation), the RAs have decided to complete a validation of the SEM PLEXOS model out to 2029.

A backcast using out-turn market data since I-SEM go-live (1 October 2018) will be undertaken to test model settings and parameters, which will build on the previous backcast findings as described in the SEM PLEXOS Model (2019-2025) report (i.e. [SEM-20-004](#)).

Any initial comments by market participants on the approach to the forthcoming validation of the SEM PLEXOS model or key focus areas for validation are welcome, and can be directed to mmg@cru.ie. The RAs request that such comments be submitted to the RAs prior to Friday, 28th May 2021.

Both the RAs and the selected consultants for the validation (i.e. NERA Economic Consulting) 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 NERA Economic Consulting will be circulating technical data request templates to relevant stakeholders, and will provide timelines for the completion of such templates.