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Is developing a seven-day hybrid scarcity indicator for the Dutch electricity market an effective approach to identify short-term adequacy risks?

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Extended Abstract

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Abstract Summary

We design a seven-day hybrid scarcity indicator for the Dutch electricity market, capturing both physical scarcity of supply relative to demand, as well as scaricity pricing events. The seven-day physical margin index, as well as the hourly forward price curve, which compose the proposed hybrid STA indicator are based on publicly available data and meant to be openly available. This hybrid indicator thus provides market operators and other stakeholders with timely insights into short-term scarcity risks, thereby supporting both operational decisions and adequacy policy development in a renewable-based electricity system.

Presenting Author Biography

Roderick Timmer holds a Master's degree in Finance and is currently conducting an external PhD at Utrecht University. His research focuses on resource adequacy and the dynamics of the electricity markets.