

National capacity mechanisms in the European internal energy market: Opening the doors to neighbours

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Abstract— After decades of strong opposition, several European countries are now in the process of implementing some kind of Capacity Remuneration Mechanism (CRM). Unfortunately, these national initiatives seem to aim at energy autarky rather than seeking a wider regional coordination. This situation can significantly affect the potential benefits of an integrated long-term expansion of the European power system.

In this paper the regulatory basis for the effective participation of foreign agents in national CRMs is discussed. The authors support that two pillars are required: (1) stronger coordination among TSOs¹ and respect for the Security of Supply Directive and (2) introduce a particular type of firm cross-border nominations associated to the CRMs commitments. These proposed nominations are to be considered only in situations of system stress. As discussed here, this allows not requiring any type of ex-ante cross-border capacity reservation, thus avoiding many of the inefficiencies associated to traditional physical bilateral contracts.

Index Terms— Capacity Remuneration Mechanisms; Internal Energy Market; European Union; Reliability Options; Price Coupling

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Citation:

Mastropietro, P.; Rodilla, P.; Batlle, C.; "National capacity mechanisms in the European internal energy market: Opening the doors to neighbours", Energy Policy, vol.82, pp.38-47. July, 2015.