

Modelling and simulating the French capacity market

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As capacity mechanism is currently being designed in France, a new capacity market will be created. The French transmission system operator RTE needed to conduct some studies on this market behaviour and the parameter influences. This report analyses in detail the French capacity mechanism and presents a model of the capacity market in order to study it. Then, it introduces a simulator called CLéMix that uses this model to run Monte Carlo and Agent based simulations. Several studies concerning the actors strategies and possible use of market power are then presented and their results analysed.