Allocation of network extension cost – a theoretical approach

The decentralized revolution in electricity comprises an increase in decentralized generation, notably from renewables, in decentralized storage, notably from batteries, and in decentralized electrical appliances, notably in heat and in vehicle charging. As a consequence, significant grid expansion is needed. How should the cost for this expansion be allocated such that each decentralized decision maker and the grid operator make optimal choices? This thesis should research the existing theoretical literature and offer a fresh approach to this relevant and nontrivial question.

Einstiegsliteratur


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