



Masterarbeit zum Thema

Allocation of network extension cost – a theoretical approach

The decentralized revolution in electricity comprises an increase in decentral generation, notably from renewables, in decentral storage, notably from batteries, and in decentral 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 decentral 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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Ropenus, S., Jacobsen, H. K., & Schröder, S. T., 2011. Network regulation and support schemes – How policy interactions affect the integration of distributed generation, *Renewable Energy*, 36(7), pp 1949-1956.

Vogel, P., 2009. Efficient investment signals for distributed generation, *Energy Policy*, 37(9), pp 3665-3672.

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