

电力市场

我国电力市场环境下两部制输配电价传递模型

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摘要

针对我国电力市场环境下独立输配电价的问题进行了研究, 提出了一种新的输配电定价方法。从电网结构的角度, 把输配电费用分为专项电网工程费用、联网工程费用和公共网络工程费用, 并对各部分定价进行了分析。在此基础上, 把输配电费用转化成发电侧输配电价和用户侧输配电价两部分; 针对发电侧部分, 采用两部制邮票法构建其输配电价模型; 针对用户侧, 采用分电压等级两部制邮票法构建其输配电价传递模型, 从而实现了不同电压等级采用不同输配电价。算例结果表明, 本文提出的方法能较好地反映输配电价成本和用户需求情况, 有利于输配电网资金的回收和电网再建设, 可为我国形成独立输配电价机制提供一定的参考。

关键词

[输配电价](#); [两部制电价](#); [分电压等级](#); [邮票法](#); [传递模型](#); [电力市场](#)

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A Transfer Model of Two-Part Transmission and Distribution Price Under Electricity Market in China

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Abstract

The authors research the independent transmission and distribution price under the electricity market in China, and propose a new method to pricing power transmission and distribution. From the viewpoint of power network structure, the transmission and distribution charges are divided into special engineering cost of power network, engineering cost of power network interconnection and that of public network, and the pricing for each part is analyzed. On this basis the transmission and distribution charges are converted into two parts, i.e., the transmission and distribution price at generation side and that at consumer side. For the part at generation side, the transmission and distribution price model is constructed by two-part postage stamp method; for the part at consumer side, the transmission and distribution price model is constructed by two-part postage stamp method related to different voltage grades, thus it is realized to adopt different transmission and distribution price for various voltage grades. Results of calculation examples show that the proposed method can reflect the transmission and distribution cost and the demand of consumer more properly, so it is in favor of capital recovery of power transmission and distribution network and the reconstruction of power network. The proposed method is available for reference in the formation of independent power transmission and distribution pricing mechanism in China.

Key words

[transmission and distribution price](#); [two-part price](#); [different voltage grade](#); [postage stamp](#); [transfer model](#); [electricity market](#)

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