

عنوان مقاله:

Generator's Reactive Power Support to Active Loads in a Pool Model Market

محل انتشار:

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خلاصه مقاله:

The new trend in electricity market considers reactive power as an ancillary service which should be paid for it. Unbundling reactive power support leads to a necessity for an equitable and fair allocation mechanism for this support. The allocation mechanism is a prerequisite for a pricing scheme. In this paper, first the effect of active power delivery on generators' reactive power output is shown on a test system. Then upon definition of the problem, a simple and yet accurate method is proposed to allocate reactive power generation due to active power of load. Results of a case study using the proposed method are also presented.

کلمات کلیدی:

reactive power allocation, active power tracing, ancillary service

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