

عنوان مقاله:

Election Campaign Optimization in Unit Commitment Problem with Wind Power Effect

محل انتشار:

پنجمین کنفرانس بین المللی رویکردهای نوین در نگهداشت انرژی (سال: 1394)

تعداد صفحات اصل مقاله: 20

نویسندگان:

alireza alizadeh - *Ardebil Province Electricity Distribution Co, Ardebil, Iran*

adel akbarimajd - *Electrical Engineering Department, Faculty of Engineering, University of Mohaghegh Ardabili, Ardebil, Iran*

noradin ghadimi - *Young Researchers and Elite club, Ardebil Branch, Islamic Azad University, Ardebil, Iran*

خلاصه مقاله:

The Election Campaign Optimization (ECO) is proposed to solve the Unit Commitment (UC) problem between thermal generating units with wind impact an electricity market to minimize total cost in this paper. This issue is used in this paper to achieve a real system considered with various generator and wind constraints in power systems. The effectiveness of the proposed technique is compared with PSO, GA and λ -iteration to understand the wind generator capacity in production cost analysis and to provide valuable information for both operational and planning problems. The achieved results represent the superiority of the ECO technique.

کلمات کلیدی:

Unit Commitment, ECO, Wind Power

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