

## عنوان مقاله:

Coordinated Operational Strategy for Natural Gas and Power Systems

## محل انتشار:

چهارمین کنفرانس بین المللی فناوری و مدیریت انرژی (سال: 1396)

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## خلاصه مقاله:

Integration of a large capacity of renewable generation to the power system is expected to cause balancing challenges. The variability of renewables necessitates introduction of technologies that can compensate for intermittency of renewable generation. Gas-fired plants are considered as the main technology to deal with these challenges. Consequently, the interaction of natural gas and power system would be increased. In this paper, the value of a coordinated operational strategy for natural gas and power systems is quantified through comparing its performance with a separated operation of these systems. In the model, the operational cost of these systems on a Great Britain system in 2030 is minimized

## کلمات کلیدی:

Natural gas system; power system; coordinated .operation; separated operation; flexibility

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/749984>

