Responding to electricity shortfalls: Electricity-saving activities of households and firms in Japan after Fukushima

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ABSTRACT

balance has exterrienced a severe electricity shortfall since the Great East balance for the qualse in March 2011 and the subsequent shutdown of nuclear tower blants. Disraption to the supply-demand balance was expecially severe in Tikyo and Tuboku in summer 2011, forcing the government to introduce mandatory rationing for large customers. Following intensive efforts, a reduction in demand of more than 15% compared with the 2010 level was achieved in these two reviews. Surprisingly record of the savings achieved in 2011 have persisted for absent four years. This paper examines the Japanese experience of saving electricity, based primarily on a detailed review of surveys of bounebolds and commercial and industrial customers ure conducted each full from 2011 to 2014. The paper analyzes major electricity to 2014. The results show that the implementation rates of various electricity-saring measures are declining from the 2011 or 2012 levels, while the actual reduction in can be explained by the cumulative effect of replacing old equipment with news; more efficient models and adopting new technology such as LED lighting Keywords: electricity shortfall, electricity savings, behavior after Pukushima penistency of energy saving

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Electrical Demand Reduction Policies

Japan

The Japanese governments efforts to reduce electrical deterrical dearnad included a "Super Cool Biz" campaign to encourage ending dress codes calling for jackets and ties and wearing light, cool clothing instead.

Conducting Campaigns

Electricity savings

Change management

13 4010

