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

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ABSTRACT

laban has experienced a severe electricity shortfall since the Great East Japan Earth quake in March 2011 and the subsequent shutdown of nuclear bower blents. Dis raption 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 recut of the savings achieved in 2011 have persisted for almost four years. This paper examines the Japanese experience of saving electricity, based pri detailed review of surveys of bouseholds and commercial and industrial custs we conducted each full from 2011 to 2014. The paper analyzes major electricity to 2014. The results show that the implementation rates of various electricity-sartn measures are declining from the 2011 or 2012 levels, while the actual reduction is 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

horse (5th Avi. and 10.5547/7140-5000)



Electrical Demand Reduction Policies

Japan

The Japanese governments efforts to reduce electrical demand 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



