

**Preparation of Abstract for
2014 IERE-GDF SUEZ Brussels Workshop
“Energy at home”**

Smart Grid and New Metering Technology for Smarter Energy Management

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Keywords: **smart grid, smart meter, energy management, demand response**

Abstract

The concept of “smart grid” which utilizes various power sources including renewable energies in a “smart” way has been spotlighted in Japan because of the tight situation between electric power supply and customers’ demand after the Great East Japan earthquake 2011.

Our major mission of an electric power company is to achieve stable supply of electricity, to contribute to low-carbon society and to pursuit of economic efficiency simultaneously, the same as ever and also in the future. In this presentation I will talk about our company’s smart grid technology and verification project we take part in for the mission as stated above.

After that I will explain our advanced metering infrastructure (smart meter) one of the key technologies of the smart grid. The meter has an advanced communication technology adopted and a unique structure for easier maintenance, which can not only measure the power consumption of a customer remotely but also can contribute to improving power system management. And for a customer, by providing detailed smart metering data for customer’s home energy management system, its function can be upgraded.

And last, the result of demand response experiment using this smart meter will be shown. This experiment has been run as a subproject of a big social experiment project with cooperation of residents, companies and local government 2010-14 for the purpose of optimizing regional usage of energy.

You are kindly invited to submit abstract **no later than 18 March, 2014** by e-mail to:

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