



**GOVERNMENT OF BERMUDA**  
**Ministry of Energy, Telecommunications and E-Commerce**

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**Department of Energy**

**Date: June 4<sup>th</sup> 2009**

Dear Member,

**Re: Invitation Letter**

The Department of Energy under the Ministry of Energy, Telecommunications and E-Commerce will host a special energy event called "Plug in to a Smart Grid" and "Implement the Smart Meter" for an Energy Smarter Bermuda.

An electric Smart Grid is essentially the application of information technology to the generation, transmission, distribution and use of electricity, and allows utilities to operate in a more efficient manner. Smart Grid solutions give utilities the ability to implement demand response programs that will help Bermuda cut energy consumption, reduce CO<sub>2</sub> emissions and take full advantage of accepting vast amounts of energy from renewable technologies into the Grid.

Most importantly, a Smart Meter Initiative aimed at the domestic market will empower and enable consumers by providing more electric information. Potential capabilities of smart meters are:

- Real time tracking of electricity use and sharing of this data with consumer and utility through wired or wireless communications.
- Time of use pricing (allowing on and off peak tariffs).
- Bidirectional metering for small scale renewable energy technologies.
- Remote disconnection by the utility.
- Improved electricity grid fault identification.
- Wireless communication with compatible appliances.

Wireless communication capability opens up the possibility for a truly smart grid, allowing your electricity meter to communicate with both the utility and with appliances in your property. This could range from the meter sending information on your electricity consumption to a display inside your home, to the meter turning down an air conditioning thermostat by a few degrees to reduce peak demand for the utility.

Based on the above trends and drivers for smart grids and smart meters, the Department of Energy is sponsoring exciting presentations featuring Gary Austin, IBM Canada and Industry Executive, Bermuda and the Caribbean Region and Dr. Carlo Maria Drago, IBM Italy.

The Island of Malta will soon be able to call itself the first Smart Grid Island. IBM is planning to build the first National smart grid network on Malta complete with 250,000 smart meters. The IBM presenters will share their Smart Malta experience and advise Bermuda on the benefits of becoming a Grid Smart Island.

You and your valuable membership are invited to this very important industry and homeowner presentation Wednesday June 24<sup>th</sup> 2009 from 6:00 pm to 8:00 pm in the North Hall of the Bermuda College.

Sincerely,



W. Allan Bean, B.Sc.(Hons); MBPA Energy  
Department of Energy

Tel. 294-9256

Cell. 535-2326

E-Mail: [wabean@gov.bm](mailto:wabean@gov.bm)