

Home Energy Management: Energy Information Displays: In-Home Display Devices, Web Dashboards, and Mobile Applications

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Abstract:

Amid historic volatility in energy prices and heightened concern about energy security and climate change, energy management and energy efficiency are hot topics. Tens of millions of smart electric meters are slated for deployment in the next few years. And billions of dollars of funds from the U.S. government are flowing to support smart grid investments and energy efficiency initiatives. Consumer interest in energy issues is higher than it has been in decades. In this context, a market for energy information displays—interfaces to allow consumers to monitor and manage their home energy usage—is emerging.

The market for home energy management and energy information displays (EIDs) is dynamic but it is also nascent and highly fragmented. A range of fiscal and regulatory regimes and other local factors means that the motives of electric utilities vary, and business models can vary state by state and country by country. While in most areas, utilities will be important early players in the development of the market, in some regions there are incipient signs of a consumer-led, retail-oriented market. A bewildering array of vendors with diverse products and strategies are pursuing this space. And as a testament to the importance of this space, tech giants and rivals Microsoft and Google are competing here as well.

This Pike Research report offers an in-depth look at the global market for home energy management, with a focus on energy information displays including in-home display devices, web dashboards, and mobile energy management applications. It analyzes the drivers of supply and demand in the market, explores the principal technology issues, profiles the offerings and strategies of the leading vendors and presents a forecast of the global market through 2015.

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