

Electrical Energy Usage Data Gathering and Analysis for Home Energy Management

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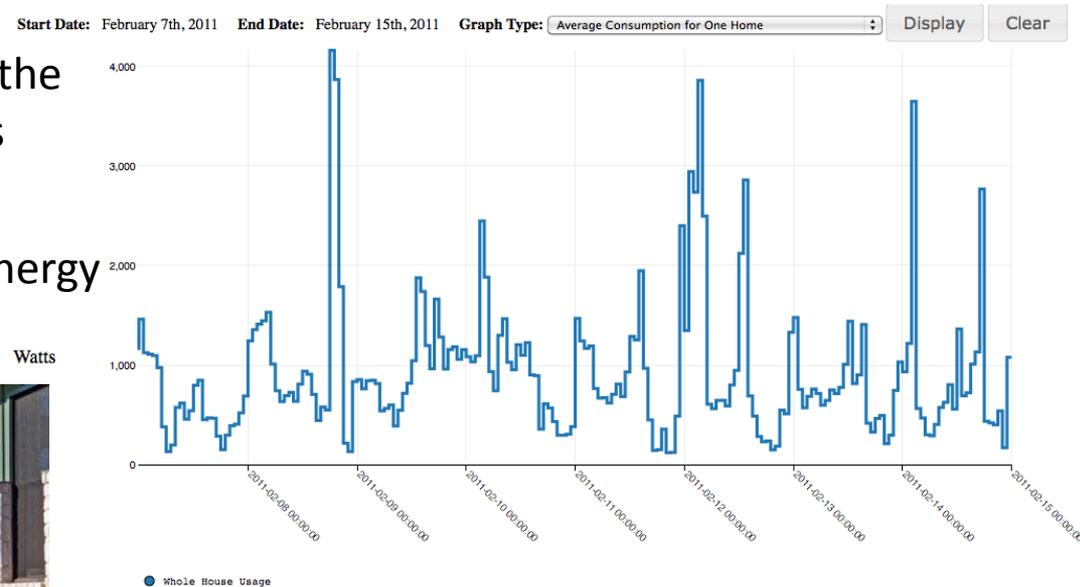
Research Goals:

- Capture home energy use information:
 - Major electricity loads within home
 - Time of use, down to 15s interval
 - Population variables
- Analysis goals:
 - Break down electricity use within the home, compare with other sources
 - Identify usage trends,
 - Develop tools and strategies for energy management



Project Status:

- Electricity usage baseline monitoring of 100 homes is already underway
- Working with TACC and Pecan Street Project on data visualization tools



This research, performed in support of the Pecan Street Project, will analyze energy use patterns before and after the installation of smart grid technologies in order to determine the effects of technologies and management strategies.