Smart Home: Remote Energy Monitoring and Automation System



Future Work

- Power Triggers: Turning appliances on/off based on power readings from other appliances
 - A computer powering down turns off its peripherals
- > **Power States:** A set of grouped actions
 - A vacation state where all non-essential appliances are turned off
- Additional Node Models: Greater coverage of appliances > 240V appliances, fixed lighting systems, power bars
- **Reduce System Power:** Modify base station to use a low-power plug computer instead of a PC

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[4] J. Porter, "Compiled List of Quick Facts," Environment Canada, Dec. 5, 2007. [Online]. Available: http://www.ec.gc.ca/cleanair-airpur/default.asp?lang=En&n=2309FEF9-1&meta=1. [Accessed: Sept 18, 2009].