



ENERGY STAR

Residential Appliances and Electronics

Quick Updates

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Related ENERGY STAR specification changes



2009 Revisions	2010 Planned	Scoping phase
•Displays	•Small network equipment (new)	•Home data storage
•TVs	•Game consoles in computer spec.: other computer and imaging enhancements later in the year	•Home security
•Audio/Video	•Set top boxes (download acquisition mode)	•Projectors
•Dishwashers	•Battery chargers/EPS	•Garage door openers w/light kit
•Clotheswashers	•PTs/Home Controls; HVAC review	• Home energy monitors
	•Water heaters	



Plug-Load Research---Where is the bang for the buck?



MN Plug Load Research Study, ECW, Scott Pigg and Ingo Bensch;
Funded by MN Office of Energy Security and MN Power. (Nested study involving telephone, mail, and onsite survey metering)

Preliminary takeaways:

- Significant opportunity for implementing *computer* power management; people seem amenable to enabling once educated. (275 kWh/computer per year 0.67 PM opportunities per single family household)
- Compared to computer power management, other home electronics opportunities smaller and more diffuse (avg. 55kWh/yr per opportunity; 3.5 opportunities per single family household)
- Set-top boxes on 24/7, some draw up to 50W; people seem unwilling to consider unplugging when not use.
- Many under-utilized secondary refrigerators and freezers in MN--- still assessing willingness to give these up.
- Learn more at ecw.org/mnergystudy



Tools to assist



- energystar.gov/lowcarbonIT offers savings calculators and guidance for enabling PM features
- Change the World, Start w/ENERGY STAR expanded pledge (more behavior change, tips) and social networking opportunities; energystar.gov/nationalcampaigns
- Ongoing effort to identify best way to influence set top box market; specification to address download acquisition mode
- Refrigerator recycling resources, savings calculators, messaging for retiring second refrigerators
- Many opportunities to influence “diffuse” array of plug load products by getting involved in the specification development process (energystar.gov/productdevelopment)