

The logo for 'Home Energy Faire' features the word 'Home' in purple, 'Energy' in white with a black outline, and 'Faire' in yellow with a black outline. A blue house silhouette is positioned above 'Home', and three colorful flags (purple, green, and red) are to the right of 'Faire'.

# Home Energy Faire

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Energy Savings, Simply

*Appliances and Water Fixtures*



## Appliances



Energy Star is the “gold standard” of appliance energy performance

<http://www.energystar.gov/>



## Lighting

- Can account for up to half of the electricity use in a home.
- One of the easiest and cheapest ways to reduce energy waste is to replace the highest used incandescent bulbs in your home.
- Most people are familiar with incandescent bulbs, “compact fluorescent lights” (CFLs) and light emitting diodes (LEDs). Not enough households use energy efficient bulbs.
- Get a count of regular bulbs and CFLs.



Common Types of Compact Fluorescent Lights

spiral



tubular



circline



A-type  
(the base gives it away as a CFL)



Water Fixtures: The Aerator

The aerator is a cheap water-saving attachment for faucets and shower heads



an aerator is an end-cap with a screen in it

the water stream mixes with a lot of air, which reduces flow but maintains good force



## Other Water Fixtures

- Low-flow toilet(s) – most homeowners know if they’ve installed one; otherwise you can get the “gallons per flush” rating of your toilet.
- Outdoor water use (landscaping, driveway washing, etc) – efficient power washers, rain barrels, grey water recycling, Solar water pumps, etc.
- Note your major water uses
- Be sure to note luxury water uses as well (pool, hot tub, sauna, etc)



## Luxury Water Uses: The Hot Tub



Recipients of the Darwin Award





## Luxury Water Uses: Pools



Original winners of the Darwin awards, but couldn't be there to claim, due to...uhh...a bizarre electricity accident





## Appliances & Water Fixtures Survey Summary

These survey questions help organize the information of your existing home condition. Use this information to obtain cost estimates, and prioritize repairs, and energy upgrades to your appliances.

- Major Appliances
  - type; number; age
- Lighting
  - type; number
- Water Fixtures
  - sinks & showerheads; aerators?
  - toilets
  - outdoor water uses
  - luxury water uses



## Appliances & Water Fixtures Survey Summary – cont'd

- General Condition of Plumbing (if known) –
  - lead, steel, aluminum or PVC piping?
  - are joints well sealed?
  - leaks?
  - If you have a hot water boiler for heating, are the exposed portions of pipes insulated with pipe insulation?
- Water Utilities
  - water (municipal or well)
  - sewer (municipal or septic)