



What's Happening With Consumer Electronics?

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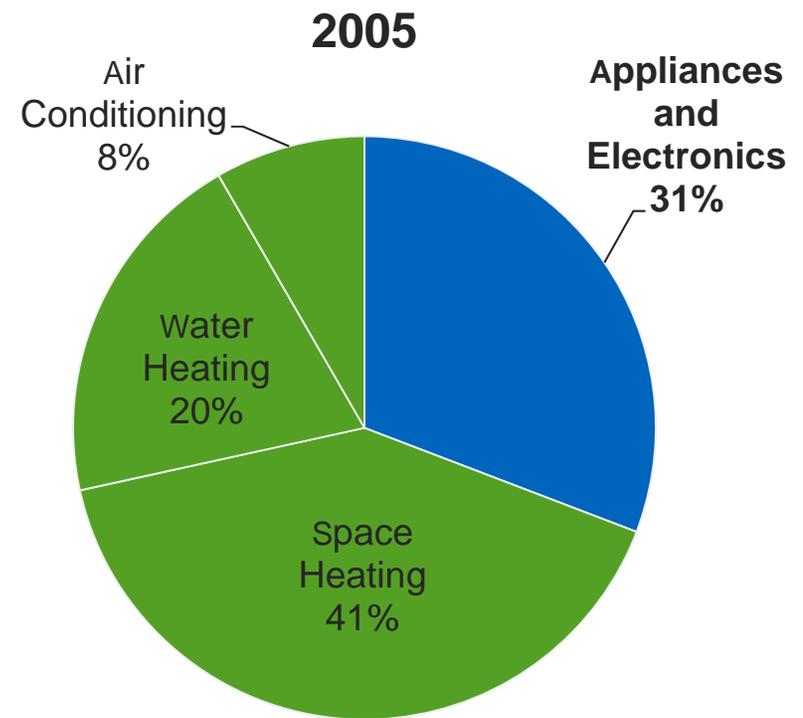
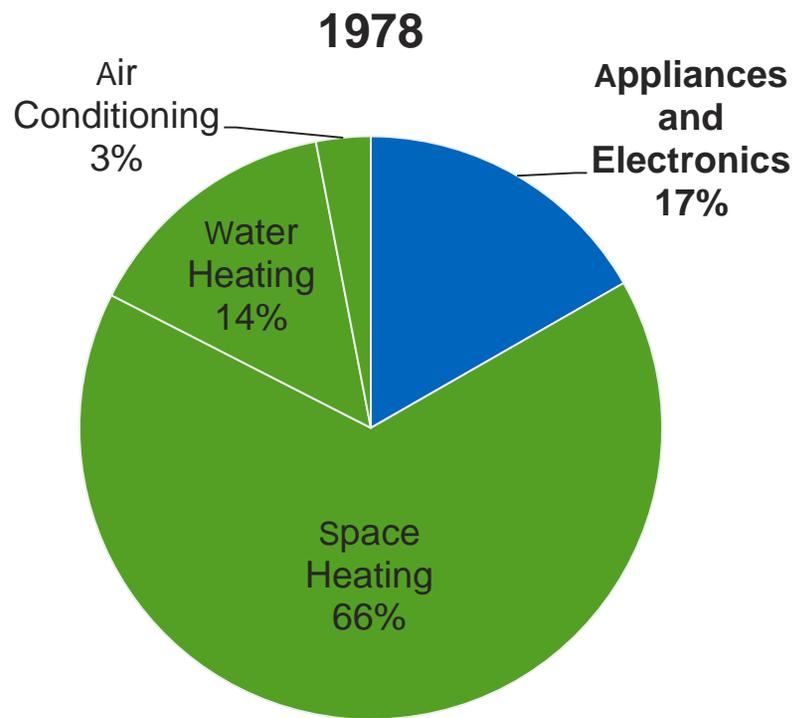
Energy Star Partner Meeting

Who is E Source?

- Membership-based energy research, advising, and consulting services
- How to manage, sell, and use energy effectively
- Unbiased research and analysis
 - Fuel neutral
 - Product neutral
 - Vendor neutral
- Serving entire energy market, including service providers and top-tier energy managers



Increasing Energy Use from Consumer Electronics

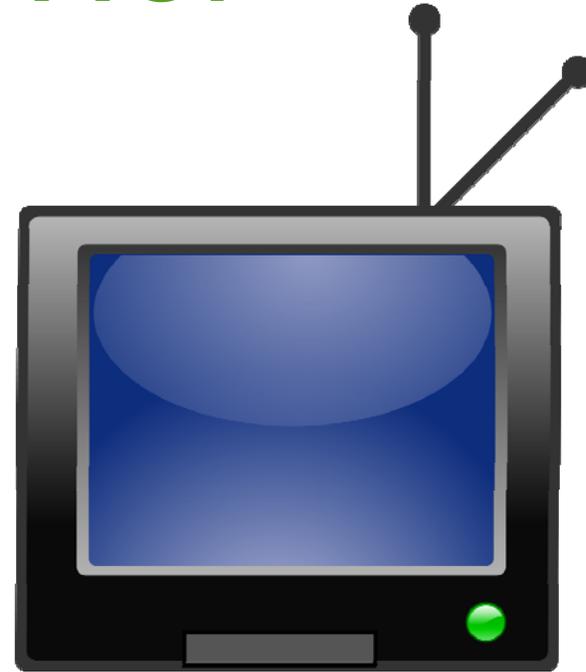


Data from the Energy Information Administration



What's Happening with TVs?

- Average screen size + number of TVs per home are increasing
- Increasing Energy Star requirements
- FTC now requires EnergyGuide efficiency labels for all TVs



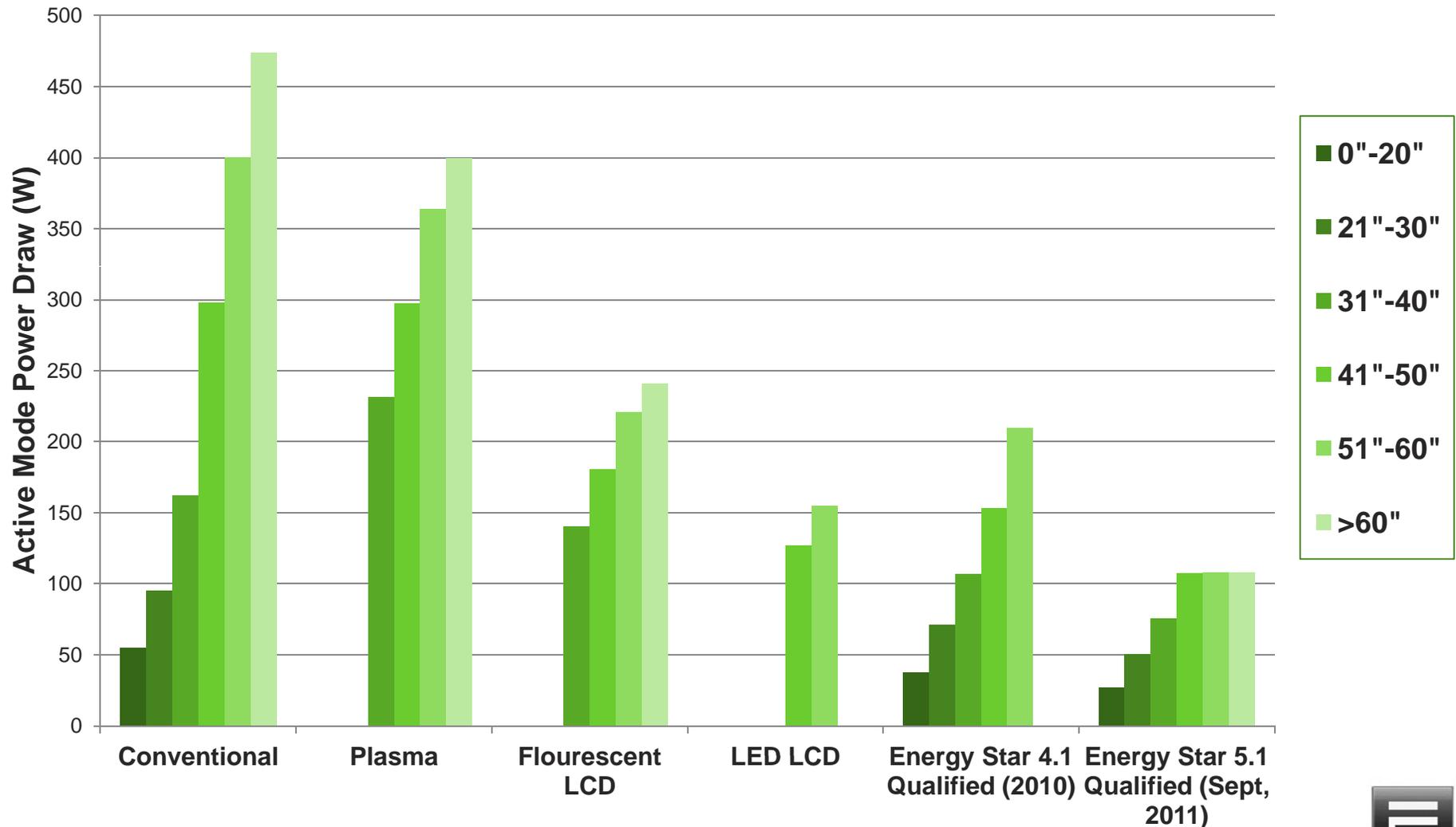
Courtesy: Everaldo Coelho



Courtesy FTC



Power Draw of TV Technologies (models from 2008-2010)



Set-Top Boxes

- A recent NRDC report found that a typical household set-top box configuration consumes 446 kWh annually – more than a new Energy Star refrigerator!
- Different configurations/specifications could reduce energy consumption

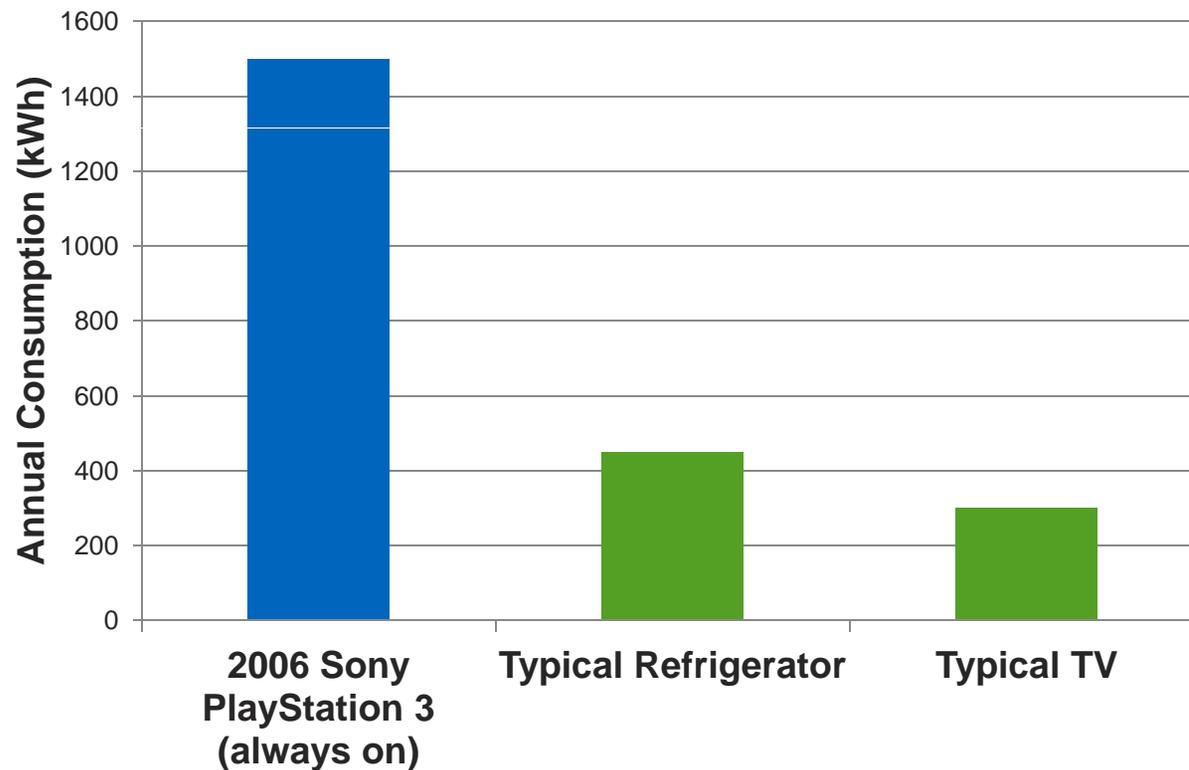


Courtesy: Grock2



Video Game Consoles

Some consoles can potentially consume three times the energy of a typical refrigerator or four times that of a TV!



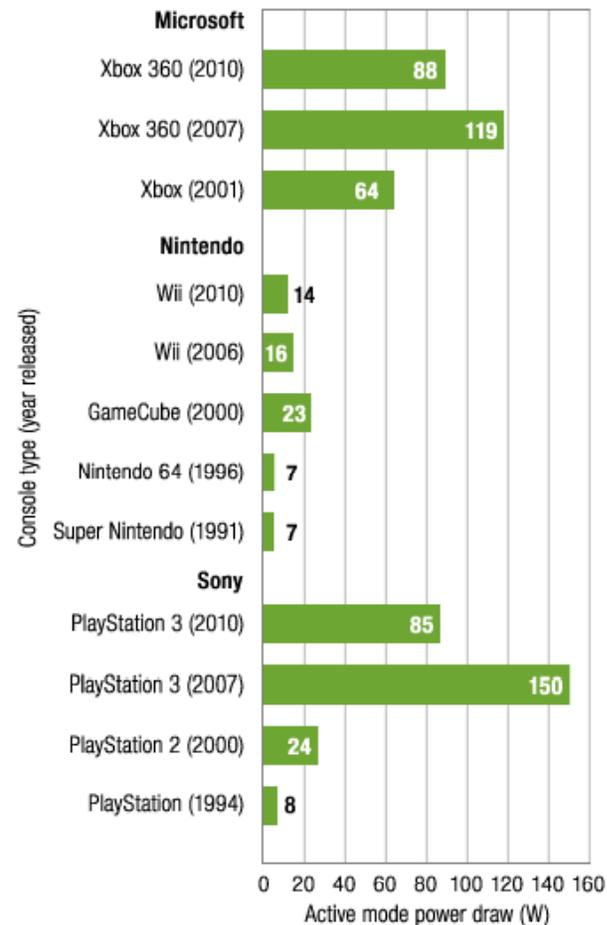
Data from DOE and NRDC



Power Draw Down Since Peak in 2007

FIGURE 1: The evolution of video game power draw

Although the active-mode power draw of video game consoles has increased greatly over time, consoles manufactured since 2007 draw considerably less power in active mode than their predecessors did.



Note: W = watt.

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What's Energy Star Been Up To?

- Improved TV efficiency specifications
 - Sleep → Active mode power draw regulated
- Currently developing new specification for uninterruptible power supplies
- New specifications for set-top boxes
- Revised criteria for electronic displays



Courtesy: U.S. EPA



For More Information

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Have a question? Ask our experts: www.esource.com/question

