

Lighting for the 21st Century Home and New Program Approaches



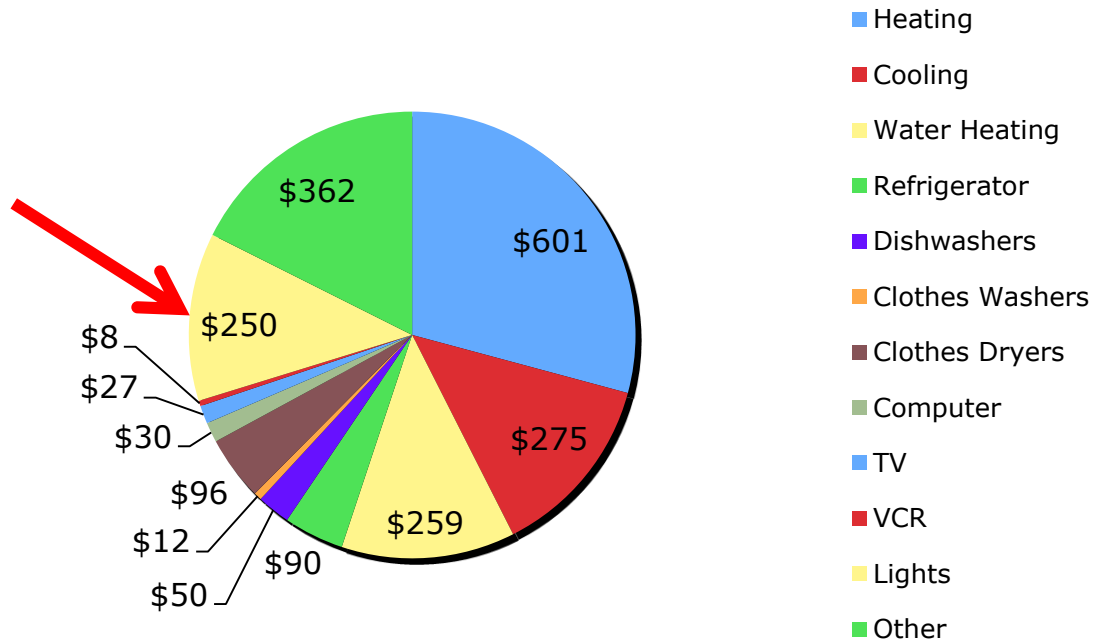
October 29, 2014



Typical Household Energy Use

- The typical household spends more than \$2,000 a year on energy bills

Estimated Annual Utility Bill, Typical House

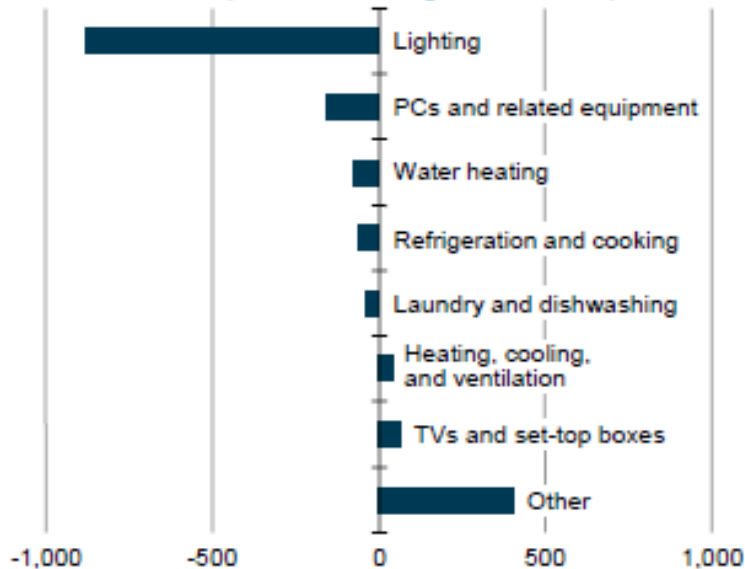




Energy Use Outlook

- Electricity demand by U.S. homes is forecasted to increase 24% by 2040
- However, the largest reduction in residential energy use is expected to come from lighting

Figure 56. Change in residential electricity consumption for selected end uses in the Reference case, 2011-2040 (kilowatthours per household)





LED Lighting Market Potential

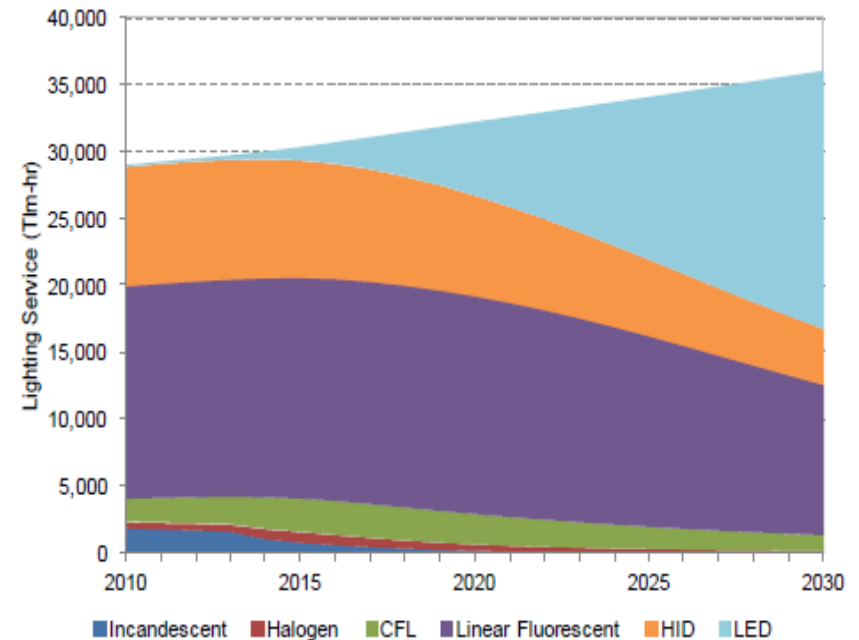
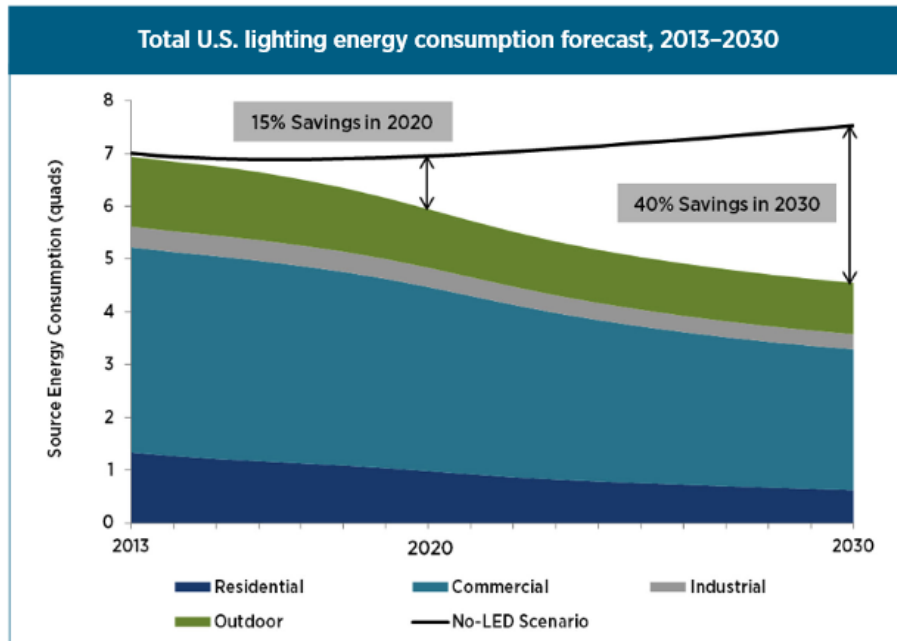


Figure 7.2 Total U.S. Lighting Service Forecast, 2010 to 2030

Energy Savings, 2010-2030

- Res 1,009 tWh 38%
- C&I 1,663 tWh 62%

LEDs by 2030

- 74% Sales
- 50% Base Service



Speakers

Cheri Davis

- Principal Demand Side Specialist, SMUD

Tanya Hernandez, PE, LC

- Manager Energy and Environmental Standards, Acuity Brands Lighting