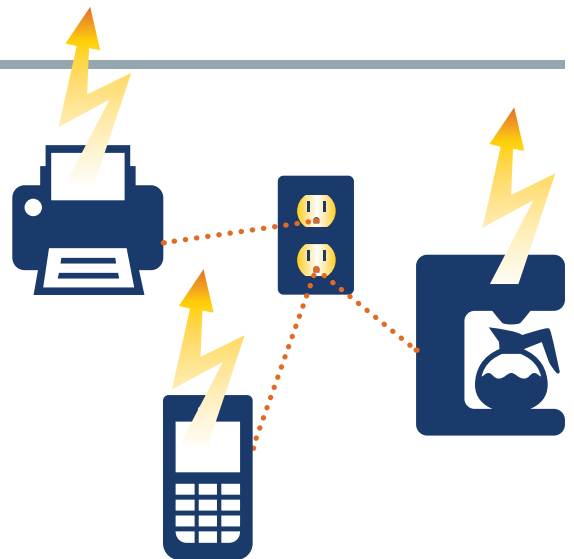


## OPPORTUNITY

*How much energy is lost to plug loads in U.S. commercial buildings?*

**25%**  
**OF ELECTRICITY IS LOST TO PHANTOM POWER**

In efficient buildings this can increase to 50%<sup>1</sup>



## TECHNOLOGY

*How do Advanced Power Strips save energy?*

## DE-ENERGIZE CIRCUITS

based on a timer, load-sensing, or both

## M&amp;V

*Where did Measurement and Verification occur?*

**NATIONAL RENEWABLE ENERGY LABORATORY** tested the effectiveness of 3 plug load reduction strategies in buildings throughout GSA's Mid-Atlantic Region

## RESULTS

*How did Advanced Power Strips perform in M&V?*

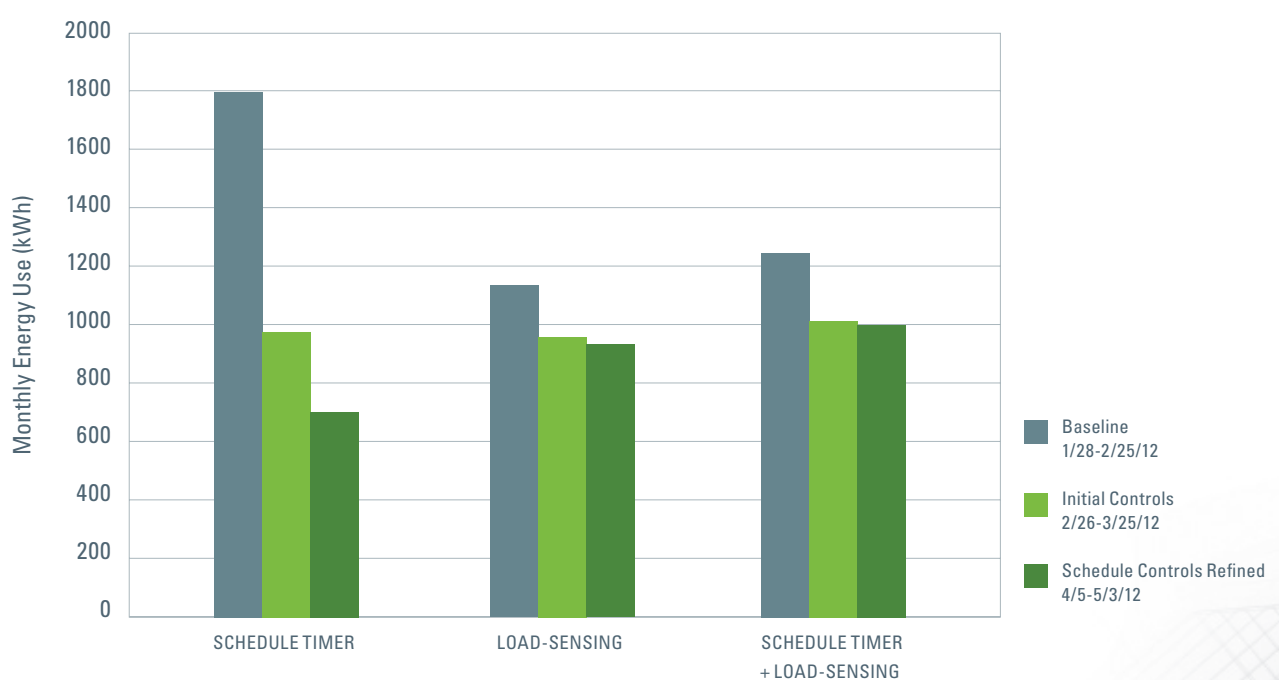
**SIMPLE  
TIMER CONTROLS**  
most cost-effective<sup>2</sup>

**26%  
ENERGY SAVINGS**  
at workstations with advanced computer management in place  
48% in kitchens & printer rooms<sup>3</sup>

**< 8  
YEARS**  
payback in all applications  
< 1 year in kitchens & printer rooms<sup>4</sup>

## Energy Reduction for Tested Control Strategies

Schedule timer controls resulted in average-energy reduction of 48%



## DEPLOYMENT

*Where does M&V recommend deploying Advanced Power Strips?*

## DEPLOY BROADLY

Energy savings & low payback support deployment throughout GSA's portfolio.\*

<sup>1</sup>Plug Load Control and Behavioral Change Research in GSA Office Buildings. Ian Metzger, Dylan Cutler, Michael Sheppy (NREL), September 2012, p.1

<sup>2</sup>Ibid, p.4 <sup>3</sup>Ibid, p.4 <sup>4</sup>Ibid, p.4 \*Subject to evaluation and approval by GSA-IT and Security