

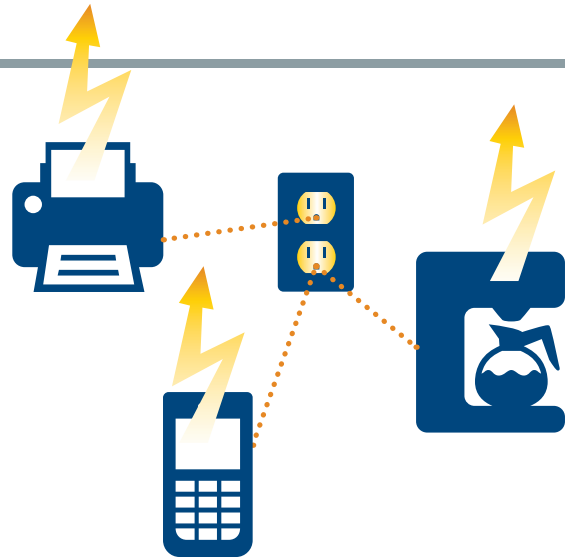
ADVANCED POWER STRIPS FOR PLUG LOAD CONTROL

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%¹



TECHNOLOGY

How do Advanced Power Strips save energy?

DE-ENERGIZE CIRCUITS

BASED ON A TIMER, LOAD-SENSING, OR BOTH

M&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-EFFECTIVE²

26%
ENERGY SAVINGS

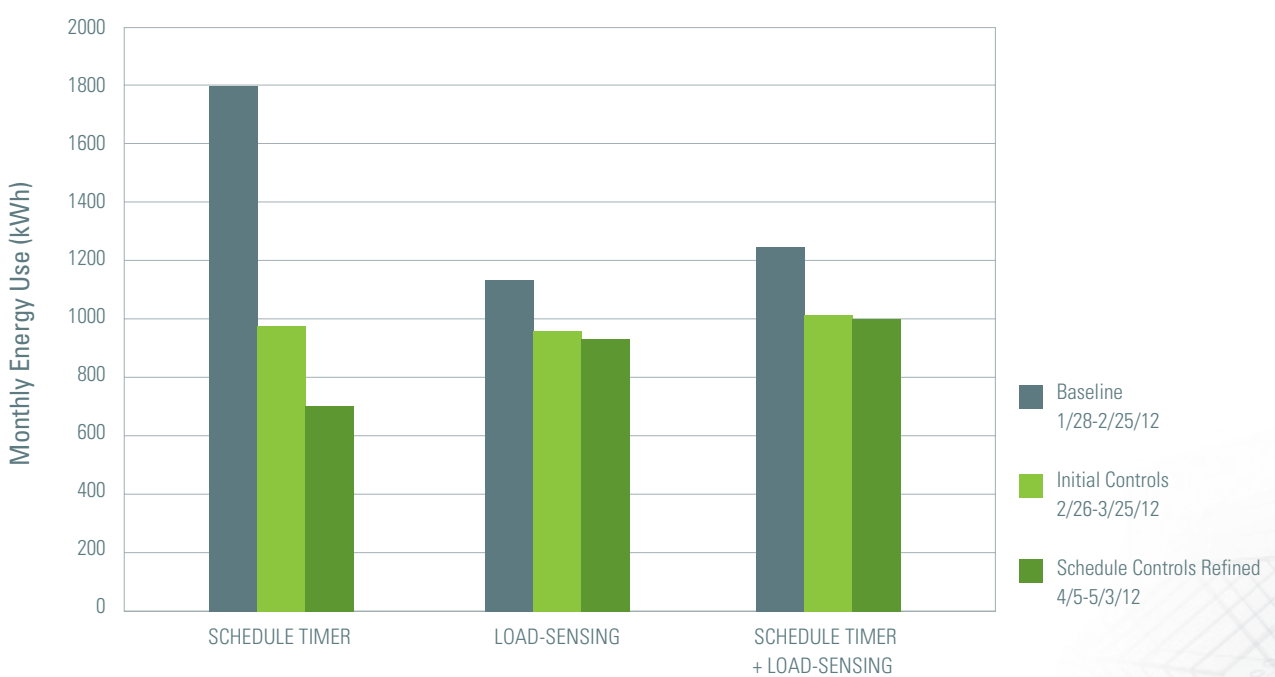
AT WORKSTATIONS
with advanced computer
management in place
**48% IN KITCHENS &
PRINTER ROOMS³**

**< 8
YEARS**

PAYBACK IN ALL
APPLICATIONS
**< 1 year in kitchens
& printer rooms⁴**

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.*

¹Plug Load Control and Behavioral Change Research in GSA Office Buildings. Ian Metzger, Dylan Cutler, Michael Sheppy (NREL), September 2012, p.1 ²Ibid, p.4 ³Ibid, p.4 ⁴Ibid, p.4 *Subject to evaluation and approval by GSA-IT and Security