

Easy Upgrades Plug Load Worksheet



Effective January 5, 2009. Please complete this worksheet for any energy-saving measures installed to reduce plug loads or other miscellaneous electric loads. To qualify, the project must meet the applicable specifications stated on the back of this worksheet. Your total incentive for each measure is determined by the quantity multiplied by the per unit incentive ($Q \times I = TI$). When completed, attach this worksheet to your application form.

Easy Upgrades Application # EZ _____

Installing	Replacing	Quantity (Units)	Incentive (Per Unit)	Total Incentive
Vending Machines				
P1 ENERGY STAR [®] vending machine	Standard vending machine	_____ machine	\$75.00	\$_____
P2 Beverage machine control	Vending machine with no sensor	_____ machine	\$75.00	\$_____
P3 Other cold product control	Vending machine with no sensor	_____ machine	\$50.00	\$_____
P4 Non-cooled snack control	Vending machine with no sensor	_____ machine	\$25.00	\$_____
Commercial Kitchen Equipment				
P5 ENERGY STAR [®] dishwasher	Standard dishwasher	_____ dishwasher	\$15.00	\$_____
P6 Low-temperature dish machine	Dish machine w/ electric booster	_____ removed kW	\$75.00	\$_____
P7 ENERGY STAR [®] refrigerator	Standard refrigerator	_____ refrigerator	\$30.00	\$_____
P8 Solid door refrigerator, 1 door	Commercial 1 door refrigerator	_____ refrigerator	\$70.00	\$_____
P9 Solid door refrigerator, 2 doors	Commercial 2 door refrigerator	_____ refrigerator	\$90.00	\$_____
P10 Solid door refrigerator, 3 doors	Commercial 3 door refrigerator	_____ refrigerator	\$140.00	\$_____
P10 Solid door freezer, 1 door	Commercial 1 door freezer	_____ freezer	\$100.00	\$_____
P12 Solid door freezer, 2 doors	Commercial 2 door freezer	_____ freezer	\$150.00	\$_____
P13 Solid door freezer, 3 doors	Commercial 3 door freezer	_____ freezer	\$200.00	\$_____
P14 Ice maker, up to 200 lbs/day	Standard ice maker of the same size	_____ ice machine	\$100.00	\$_____
P15 Ice maker, more than 200 lbs/day	Standard ice maker of the same size	_____ ice machine	\$200.00	\$_____
Office Equipment				
P16 80 Plus [®] PC—desktop	Standard personal computer,	_____ PC	\$5.00	\$_____
P17 80 Plus [®] PC—server	Standard personal computer, server	_____ PC	\$10.00	\$_____
P18 ENERGY STAR [®] PC	Standard personal computer	_____ PC	\$10.00	\$_____
P19 ENERGY STAR [®] Copier	Standard copier w/out idle/off	_____ copier	\$25.00	\$_____
P20 PC network power management	No central control	_____ PC	\$10.00	\$_____
P21 Flat panel LCD display	Standard cathode ray (CRT) display	_____ monitor	\$10.00	\$_____
P22 Occupancy sensor controls	Computers, other plug loads	_____ sensor	\$10.00	\$_____
Laundry Machines				
P23 High-efficiency washer	Standard washer, electric hot water	_____ washer	\$25.00	\$_____
P24 High-efficiency, coin-op washer	Coin-op wash, w/out electric hot	_____ washer	\$25.00	\$_____
P25 High-efficiency, coin-op washer	Coin-op washer, electric hot water	_____ washer	\$200.00	\$_____

Plug Loads Total

\$

Specifications for Plug Load and Other Measures

Effective January 5, 2009

Vending Machines

ENERGY STAR[®] qualified vending machines have more efficient compressors, fan motors and lighting systems and come with a low-power mode option that allows the machine to be placed in low-energy lighting and/or low-energy refrigeration states during times of inactivity. New and rebuilt refrigerated beverage vending machines that have been ENERGY STAR certified can qualify.

Beverage vending machines are vending machines containing non-perishable bottled or canned beverages. Other product vending machines are glass-front coolers that contain other non-perishable goods. Snack vending machines are non-refrigerated snack vending machines.

Controllers for all three types of vending machines must include a passive infrared occupancy sensor that can turn off lights, compressor and other systems when it senses that the surrounding area is unoccupied.

Manufacturer specification sheets for the vending machines or the controllers must accompany the final application.

Kitchen Equipment

Qualifying residential-size dishwashers must be ENERGY STAR labeled, have an energy factor (EF) of 0.58 or greater and standby power draw of 1 watt or less. Qualifying installations must have electric water heating and be used for at least one full cycle per work day.

Low-temperature dish machines that replace dish machines with electric booster heaters to generate 180°F rinse water are eligible. Qualifying products use chlorine or other chemical for sanitizing so that the rinse cycle booster heater can be removed or otherwise disabled.

Replacement machines must be in a commercial kitchen or other environment where they experience at least 24 wash/rinse cycles per day. Incentive payments will be based on the load in kilowatts (kW) of the booster heater removed.

Residential-size refrigerators must be ENERGY STAR labeled and be at least 15 percent more energy efficient than the National Appliance Energy Conservation Act minimums.

Commercial-style solid-door refrigerators and freezers must have built-in (packaged) refrigeration systems and be listed on Tier 1 of the Consortium for Energy Efficiency (CEE) efficient product lists found at www.cee1.org.

Air-cooled ice machines must meet CEE Tier 2 standards found at www.cee1.org. Water-cooled machines are also eligible when installed on either a closed loop or remote condenser system.

Dishwashers, refrigerators, ice makers and booster heaters removed must be disabled and not reinstalled elsewhere. Manufacturer specification sheets for the new products must accompany the final application.

Office Equipment

Personal Computers (PCs) that meet the ENERGY STAR Version 4.0 Tier 1 rating for desktop computers, workstations, integrated computers, desktop-derived servers and game consoles that took effect on July 20, 2007 are eligible for this incentive.

Copiers listed as ENERGY STAR and used in an office setting qualify for this incentive when replacing a similarly-sized copier without an idle/off control. Copier must have default settings that automatically enter “low-power” and/or “off” modes after a period of inactivity.

Liquid Crystal Display (LCD) computer monitors that are listed as ENERGY STAR and replacing a comparably-sized cathode ray tube (CRT) monitor are eligible for this incentive.

System controls must provide a network-level management interface for the control of power functions of networked PCs. Qualifying products use time-regulated power schemes to switch PCs into low power states when users are away from their PCs during work hours, or turned off during non-work hours.

Passive infrared and/or ultrasonic occupancy sensor controls must control electrical plug loads of at least 100 watts. This could apply to PCs and other plug loads such as printers, personal heaters, desk lamps and radios. This technology may also be applied to video arcade games or other equipment with electric loads of 100 watts or more.

Manufacturer’s specification sheets for the equipment purchased must accompany the final application.

Laundry Machines

Standard residential style washing machines used in a qualifying facility can earn an incentive for ENERGY STAR labeled models that are used in conjunction with electric water heating and operate at least 50 cycles per year.

The incentives for coin-operated (coin-op) machines apply only to residential family-sized washers. Washers must meet CEE Tier 1 criteria in their Commercial Clothes Washer Initiative. For a complete list of approved washers, go to www.cee1.org.

Different incentive levels are offered for washers used in conjunction with electric or non-electric water heating.

Manufacturer’s specification sheets for the laundry machines must accompany the final application.