

Easy Upgrades Building Shell Worksheet



Effective January 5, 2009. Please complete this worksheet for any building shell measures you're installing. To qualify, the project must meet the applicable specifications stated on the back of this worksheet. Your total incentive for each measure will be 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	
Premium Windows					
B1	Low U, SHGC, High VLT values	Standard windows	_____ ft ² window area	\$1.00	\$ _____
Efficient Windows					
B2	Low U and SHGC values	Standard windows	_____ ft ² window area	\$0.50	\$ _____
Window Shading					
B3	Adding window shade film	No film or other shading	_____ ft ² window area	\$0.50	\$ _____
B4	Adding window shade screen	No screen or other shading	_____ ft ² window area	\$0.50	\$ _____
Roll-Up Doors					
B5	Insulated door (min R4)	Uninsulated roll-up door	_____ ft ² door area	\$0.05	\$ _____
B6	High speed automatic door	Standard automatic door	_____ ft ² door area	\$5.00	\$ _____
Reflective Roofing					
B7	Adding reflective roof treatment	Non-reflective low pitch roof	_____ ft ² roof area	\$0.05	\$ _____
Roof/Ceiling Insulation					
B8	Increase to R24 min insulation	Insulation level, R11 or less	_____ ft ² ceiling area	\$0.10	\$ _____
B9	Increase to R38 min insulation	Insulation level, R11 or less	_____ ft ² ceiling area	\$0.20	\$ _____
Wall Insulation					
B10	Increase to R11 min insulation	Insulation level, R5 or less	_____ ft ² wall area	\$0.05	\$ _____
B11	Increase to R19 min insulation	Insulation level, R5 or less	_____ ft ² wall area	\$0.10	\$ _____

Building Shell Total

\$

\$

Specifications for Building Shell Measures

Effective January 5, 2009

Premium or Efficient Windows

Premium windows must be certified by the National Fenestration Rating Council (NFRC) and meet the following ratings: U-factor of 0.42 or less, Solar Heat Gain Coefficient (SHGC) of 0.40 or less, and Visible Light Transmittance (VLT) of 0.50 or greater.

Efficient windows must be NFRC certified and meet the following ratings: U-factor of 0.42 or less and a SHGC of 0.40 or less. Essentially they are Premium Windows without the VLT specifications.

Windows are only eligible when they are installed in spaces that have central mechanical air conditioning systems or package terminal air conditioning (PTAC) units. NFRC specification sheets must accompany the final application.

Window Shading

Window shading material, in the form of window films or shade screens, are eligible for an incentive when applied to east-, south- or west-facing windows that are mostly unshaded and in buildings with central mechanical air conditioning or PTAC systems.

Window shadings only qualify when installed on windows exposed to direct sunlight.

Window films (also called “tinting”) applied to clear glass are eligible when the film has a SHGC of .40 or less and is professionally installed.

Shade screens (also known as “sunscreens”) install like insect screens on the outside of the window. Shade screens with a SHGC of .40 or less are eligible for an incentive.

Interior window shades, such as blinds and drapes, are *not* eligible since they don’t prevent interior solar heat gain as well as exterior shades or films.

Manufacturer’s specification sheets for the window shading material applied must accompany the final application.

Roll-Up Doors

Insulated roll-up doors with a minimum R-value of 4 (R4) qualify for an incentive when installed serving a space with central mechanical air conditioning or PTAC systems.

High speed doors qualify for an incentive when installed serving a refrigerated cold storage or other conditioned space with central mechanical air conditioning or PTAC systems. High speed doors must have an opening/closing speed of at least 24 inches per second. Folding doors that meet those speeds can also qualify.

Manufacturer’s specification sheets for qualifying doors must accompany the final application. An eligible high speed insulated door can qualify for both incentives.

Reflective Roof Treatment

Reflective roof treatments qualify when applied to the roof above a space with central mechanical air conditioning or PTAC systems.

The roof treatment must be ENERGY STAR® rated and have a total initial solar reflectivity of at least 0.70. A roof coating that meets the minimum ENERGY STAR standard but does not have a 0.70 reflectivity will not qualify.

The minimum reflectivity requirement is consistent with the Title 24 standards in California. Title 24 compliance will mean the reflective roof treatment will qualify.

Reflective roof treatments only qualify when installed on non-reflective flat roofs or those with a pitch of 2 in 12 or less and when installed on buildings that have central mechanical air conditioning systems.

Manufacturer’s specification sheets for the reflective roofing must accompany the final application.

Roof/Ceiling Insulation

Eligible roof/ceiling area is limited to buildings or portions of buildings with central mechanical air conditioning or PTAC systems.

Qualifying roof insulation can be rigid foam, fiberglass batt or blown-in fiberglass or cellulose as long as it is applied to a fixed roof or ceiling structure and meets the required R-value. Insulation applied on the top of an acoustic tile or other type of drop-in ceilings will not qualify.

Insulation must be installed with minimum clearance around all recessed lighting and gas-fired appliances as required by code.

Flat roofs must have at least three inches of air space above the insulation after installing to the proposed R-value.

Radiant barriers will not be allowed as a substitute for insulation in this program.

Wall Insulation

Eligible wall area is limited to buildings or portions of buildings with central mechanical air conditioning or PTAC systems. Qualifying wall insulation can be rigid foam, fiberglass batt or blown-in fiberglass or cellulose as long as it meets the required R-value.

This incentive applies only to the treated area of exterior walls (gross wall area, less window and door area) where the insulation has been installed to the proposed R-value.

Radiant barriers will not be allowed as a substitute for insulation in this program.