



COUNTY OF PLACER
Community Development Resource Agency

BUILDING

TO: ALL BUILDERS / OWNER BUILDERS – NEW RESIDENTIAL CONSTRUCTION

RE: ENERGY UPDATE – EFFECTIVE OCTOBER 1, 2005 – PERFORMANCE APPROACH

All permits applied for after October 1, 2005 must comply with the new 2005 T24 Standards. New requirements are covered in this handout. For other requirements see section 150 Mandatory Measures in the building energy standards.

1) EFFICIENT LIGHTING (Applies to permanently installed luminaries): Section 150

KITCHEN -

- High efficacy OR up to 50% of the total wattage can be low efficacy
- All high-efficacy and low-efficacy lighting must be controlled separately
- 2001 Switch location requirement removed

BATHROOM -

- High efficacy OR manual-on/automatic off occupancy sensor

GARAGE -

- High efficacy OR manual-on/automatic off occupancy sensor

LAUNDRY ROOM -

- High efficacy OR manual-on/automatic off occupancy sensor

UTILITY ROOM -

- High efficacy OR manual-on/automatic off occupancy sensor

ALL OTHER INTERIOR ROOMS (EXCEPT CLOSETS LESS THAN 70 SQ. FT) -

- High efficacy OR manual-on/automatic off occupancy sensor OR dimmer

OUTDOOR LIGHTING ATTACHED TO BUILDINGS -

- High efficacy OR controlled by motion sensor w/manual-on/automatic off switch AND photo control

RECESSED FIXTURES -

- Must be rated for insulation contact (IC-rated), airtight (ASTME283) and sealed w/a gasket or caulked between housing and ceiling
- All high-efficacy and low-efficacy lighting must be controlled separately.

2) APPLIANCE EFFICIENCY REGULATIONS: Section 150 (j)(2)

SEER RATING FOR AC UNITS –

- Minimum 13 SEER for central air conditioning units (effective 1/23/06)
- Duct, hot water pipe, and AC condenser line insulation to be determined by approved compliance software design OR when using the prescriptive approach duct insulation for Zone 11 is R-6, Zone 16 is R-8; AC condenser line insulation is 3/4"; hot water piping \geq 3/4" diameter shall be insulated from the water heater to the kitchen fixtures.

3) THIRD PARTY FIELD VERIFICATION: Section 10-103 (4)(e)(2)

DUCT SEALING –

- When using the prescriptive approach or when the design requires this for compliance, duct sealing and testing is required for all new central air conditioners or furnace installations