Inclusion of Cool Roofs In Nonresidential Title 24 Prescriptive Requirements

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Scope

- Cool roofs for sloped-roof non-residential buildings
  - New study
  - Small buildings

- Cool roofs for low-sloped-roof non-residential buildings
  - Modification to 2005 Title 24
  - Prescribe aged solar reflectance
Methodology

- Review measure availability and cost
  - technologies, market share
  - manufacturers, distribution
  - availability, cost
  - useful life

- Perform building cost/benefit analysis
  - evaluate measured energy savings
  - use DOE-2.1E to simulate cooling and heating energy use
  - net savings = cooling savings - heating penalty

- Project state-wide savings
- Field measurements of about 100 samples