

Measure Information Template

2008 California Building Energy Efficiency Standards

*Public Workshop
October 24-25, 2005*

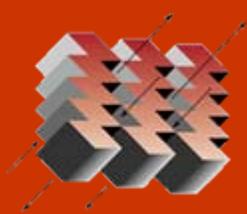


Architectural
Energy
Corporation

DOCKET
07-BSTD-1
DATE <u>OCT 24 2005</u>
RECD. <u>APR 29 2008</u>



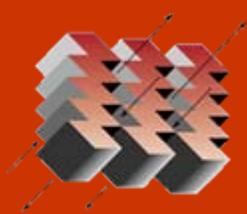
Description



- ***Describe the proposed measure or change and how it would apply to buildings regulated by the California Building Energy Efficiency Standards.***
- ***Describe the building types or systems where the change/measure would most likely apply.***
- ***Provide appropriate details.***
- ***Keep the description brief – just a single paragraph, if possible.***



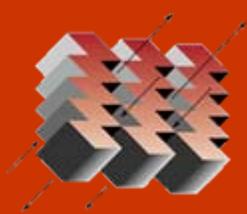
Type of Change



- ***Mandatory Measure***
- ***Prescriptive Requirement***
- ***Compliance Option***
- ***Modeling***
- ***Other***



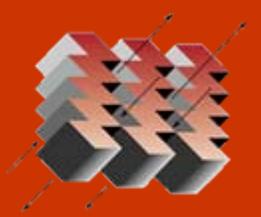
Benefits



- ***Describe the benefits of the change/measure, especially energy savings and electricity peak demand reduction.***
- ***Identify other benefits, such as comfort, reduced maintenance costs, environmental benefits, indoor air quality benefits, health and safety benefits, productivity, and increased property valuation.***
- ***Describe how Time Dependent Valuation (TDV) would affect benefits attributed to the measure.***



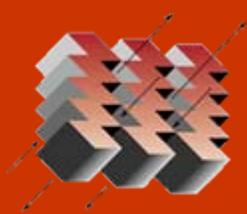
Environmental Impact



- ***Does the change/measure have any potential adverse environmental impacts?***
- ***Is water consumption increased?***
- ***Does it have an impact on indoor air quality or otherwise affect indoor environmental quality?***
- ***Does it affect atmospheric emissions (including ozone depleting gases)?***
- ***Are there environmental or energy impacts associated with material extraction, manufacture, packaging, shipping to the job site, installation at the job site, or other activities associated with implementing the measure in buildings?***



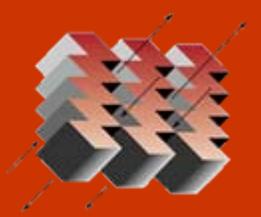
Other Issues



- ***Does the proposed change modify or expand the scope of the standards?***
- ***Identify the Standards documents (Standards, ACM, manuals, compliance forms, etc.) that would need to be modified in order to implement the proposed change.***



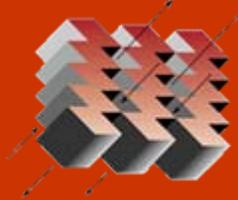
Measure Availability and Cost



- ***Identify the principal manufacturers/suppliers who make the measure (product, technology, design strategy or installation technique), and their methods of distribution.***
- ***Define the baseline condition. For life cycle cost analysis, what would the measure be compared to, e.g. the current standards or common practice? Be specific.***
- ***In general terms, how much does the measure cost compared to the baseline condition?***



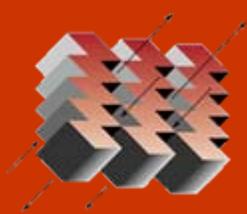
Useful Life, Persistence and Maintenance



- ***Describe the life, frequency of replacement, and maintenance procedures related to the measure.***
- ***How long will energy savings related to the measure persist?***
- ***Is persistence related to performance verification, proper maintenance and/or commissioning?***
- ***If there are issues related to persistence, how can they be addressed?***



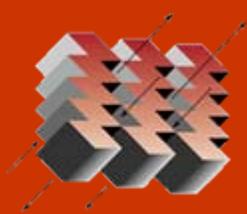
Performance Verification



- ***Does the technology or design strategy need performance verification or commissioning to insure that it is properly installed and/or performing as designed?***
- ***How is the energy performance, useful life and persistence of savings affected by performance verification or commissioning?***
- ***What specific performance verification measures or requirements are needed to assure that the measure is properly installed and performing as designed?***



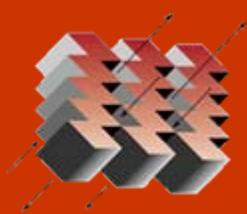
Cost Effectiveness



- ***Is the proposed change likely to be cost effective?***
- ***If the change is a mandatory measure or prescriptive requirement, then it is necessary to demonstrate cost effectiveness.***
- ***If required, how will the measure be shown to be cost effective?***
- ***Describe the cost effectiveness methodology.***



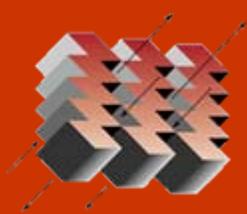
Analysis Tools



- ***What tools would be needed to quantify energy savings and peak electricity demand reductions?***
- ***Can these benefits be quantified using the current reference method?***
- ***What enhancements to the reference method are needed, if any?***



Relationship to Other Measures



- ***Identify any other measures that are impacted by this change.
Explain the nature of the impact.***



Bibliography and Other Research



- **List and describe the research studies, reports, and personal communications that provide background on the proposed change/measure.**
- **Summarize research that is underway, which addresses the measure/change. Indicate if data or information will be produced in time to be used in this update of the Standards.**
- **Identify all resources that should be pursued to further investigate this measure.**
- **Identify all “experts” that should be involved in further developing the change**
- **Identify industry standards that should be consulted**

