

California Energy Commission  
Docket number 10-BSTD-01  
June 21, 2011 Staff Workshop  
2013 Building Energy Efficiency Standards

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| <b>DOCKET</b>     |             |
| <b>10-BSTD-01</b> |             |
| DATE              | _____       |
| RECD.             | Jun 08 2011 |

Above Deck Insulation is an important aspect of reducing energy. Studies regarding above deck insulation were started, and to my knowledge, never completed. I have heard that reducing attic temperature with the use of above deck insulation is 4 times as effective as ceiling insulation, this makes sense as reducing attic temperature will make HVAC ducts and ceiling insulation more effective. I would like to see additional research in this area.

An important study by Oak Ridge National Laboratories ([www.ornl.gov](http://www.ornl.gov) – search – Next Generation Roofs and Attics for homes) shows an 85% reduction in heat transfer with the use of EPS foam insulation. (see p. 1-182 last paragraph and chart 1-183) This should prove the need for above deck insulation.

Commercial regulations have been implemented and enforced. However, residential which consumes a great percentage of energy usage needs to be advanced to meet energy goals.

Above deck insulation would not only reduce utility usage but help balance utility demand. This will help Federal and State Government to meet Energy Goals.

Above deck insulation needs to be addressed in all calculation methods.

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