ALERT

ENERGY EFFICIENT DESIGN
OF MAJOR RENOVATIONS

1. ISSUE: May 2013 guidance from VA's Office of Asset Enterprise Management (OAEM) updates the energy efficient design requirement for major renovations.

2. BACKGROUND: Memo from the Executive Director of the Office of Asset and Enterprise Management (OAEM), dated May 6th, 2013, states that all major renovation projects must "reduce energy use by at least 30% compared to the baseline established by using ASHRAE/IESNA 90.1-2007 Energy Standard, Appendix G."

The standard for major renovations, as written in the *Sustainable Design and Energy Reduction Manual (April 2010)*, requires major renovations to reduce energy usage 20% below 2003 pre-renovation baseline.

This *Standards Alert* updates the design standard to reflect VA policy.

3. NEW STANDARD: Major renovation projects must be designed to reduce energy use by a minimum of 30 percent compared to the baseline building performance rating per AHSRAE 90.1-2007, Appendix G, if lifecycle cost (LCC) effective.

If the energy reduction requirement shown above cannot be achieved with an LCC-effective design, adjust the design to achieve the highest level of energy reduction possible that is LCC-effective.

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