

Section 4. Minimum Equipment Efficiency Standards

4.1 Equipment Efficiency Standards

This section is an overview of the equipment standards in California that have an effect on the baselines used to calculate incentives for the Program. The Program provides incentives to Customers that install equipment that exceeds standard efficiency of “baseline” equipment. “Standard efficiency” refers to equipment that meets either State/Federal efficiency requirements or current industry practice. Thus, baseline energy use is established using accepted standards for currently available equipment.

Projects that involve the replacement of motors, air compressors, gas furnaces, gas boilers, cooling equipment, and linear fluorescent lighting will use a minimum standard as a baseline. The minimum efficiency standards are based on multiple industry and governmental standards. These include California’s Title-24 minimum equipment efficiency, National Electric Manufacturers Association (NEMA) standards, EPACT regulations, DOE’s Motor Challenge (Motor Master), and DOE’s Air Compressor Challenge (AirMaster+). The most current standards will take precedence.

Savings for equipment not covered by the standards listed above shall be calculated with the efficiency standard of the existing equipment at the time it was manufactured as the baseline

The document “2008 Title 24, Part 6, California’s Energy Efficiency Standards for Residential and Non-residential Buildings” can be downloaded from the following Internet address:
<http://www.energy.ca.gov/title24/>

Information concerning the Motor Challenge and Air Compressor Challenge can be found at the following Internet address:
<https://save-energy-now.org/EM/tools/Pages/HomeTools.aspx>

Minimum efficiency standards for applicable equipment can be found in the Appendix C of the Statewide Customized Offering. Equipment or systems not included in the document linked below may be subject to Industry Standard Practice baseline adjustments.

<http://www.aescinc.com/download/spc/2012SPCDocs/UnifiedManual/App%20C%20Min%20Equipment%20Efficiency.pdf>

Qualifying LED products must be listed in the tables linked below.

<http://www.aescinc.com/download/SPC/2013SPCDocs/UnifiedManual/App%20E%20Approved%20LED%20Lighting.pdf>

<http://www.aescinc.com/download/spc/2013SPCDocs/UnifiedManual/App%20F%20LED%20Lamps%20and%20Qualification%20Process.pdf>