California Green Building Standard (Title 24, Part 11)

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Appendix A4– Residential Voluntary Measures

- Section A4.201, General
  - Minor edits
  - Clarification that local jurisdictions adopting these voluntary measures must receive the approval of the Energy Commission.

Appendix A4– Residential Voluntary Measures

- Section A4.203, Performance Approach for Newly Constructed Buildings
  - A4.203.1.1.3- Revisions to the lighting prerequisites
    - Closets now included in rooms that require high efficacy lighting and controls
    - All permanently installed lighting in closets, kitchens, bathrooms, utility rooms and private garages shall be controlled by vacancy sensors.
    - In single family and multi-family residences, all permanently installed outdoor lighting shall be high efficacy, including residential parking lots.
  - A4.203.1.2.3 – Tier 3 (Zero Net Energy)
    - To reach Tier 3, each building must comply with all prerequisites listed in Section A4.203.1.1
    - Each building must also be individually inspected and shown to be in compliance with Section A4.203.1.2.2 (Tier 2), and must have an Energy Design Rating of zero or less as shown on the CF-1R.

Appendix A4– Residential Voluntary Measures

- Section A4.204, Performance Approach for Additions
  - Alterations to low-rise buildings no longer need to comply with these requirements
  - A4.204.1 – Energy Efficiency – Language cleanup
  - A4.204.1.1 – Tier 1 and Tier 2 Prerequisites – Language cleanup
  - A4.204.1.2– Tier 1 and Tier 2 Performance Standard
    - New exception: These requirements may be met by getting a whole house rating prior to the proposed modification

Appendix A4– Residential Voluntary Measures

- Section A4.204, Performance Approach for Additions
  - A4.204.1.1.1 – Lighting
    - All permanently installed lighting in closets, kitchens, bathrooms, utility rooms and private garages shall be controlled by vacancy sensors.
    - In single family residences, all permanently installed outdoor lighting shall be high efficacy
    - In multi-family residential buildings, all outdoor lighting shall be high efficacy
    - All outdoor lighting for residential parking lots shall be high efficacy and have controls compliant with Title 24, Part 6, Section 150.0(k)9D

Appendix A4– Residential Voluntary Measures

- Section A4.602 – Residential Occupancies Application Checklist
  - Minor edits to the checklist

Appendix A5– Nonresidential Voluntary Measures

- Section A5.201, General
  - Minor edits
  - Clarification that local jurisdictions adopting these voluntary measures must receive the approval of the Energy Commission.

Appendix A5– Nonresidential Voluntary Measures

- Section A5.203, Performance Approach
  - A5.203.1 Energy Efficiency
    - A5.203.1.1 Tier 1 and Tier 2 Prerequisites
      - A4.203.1.1.1 - Revisions to the outdoor lighting prerequisites
        - » Outdoor lighting must be no greater than 90% of the allowed outdoor lighting power as defined in Title 24 Part 6, Section 140.7
    - A4.203.1.1.3 – Revisions to the interior lighting prerequisites
      - Interior lighting power density shall be no greater than 90% of the total allowed indoor lighting power density as defined in Title 24, Part 6, Section 140.6
      - Removed interior lighting requirements for additions and alterations to high-rise residential dwelling units and hotel/motel guest rooms

Appendix A5– Nonresidential Voluntary Measures

- Section A5.602, Nonresidential Occupancies Application Checklist
  - Minor edits to the checklist