

**NONRESIDENTIAL MANDATORY MEASURES**

**PLANNING AND DESIGN**

**Site Development**

- Storm water pollution prevention plan
  - New projects less than one acre
- Bicycle parking
  - Short-term bicycle parking
  - Long-term bicycle parking
- Designated parking for clean air vehicles
- Light pollution reduction
- Grading and paving

**ENERGY EFFICIENCY**

Regulated by the California Energy Commission

**WATER EFFICIENCY AND CONSERVATION**

**Indoor Water Use**

- Water meters
  - Buildings in excess of 50,000 square feet
  - Excess consumption
- 20% Savings of potable water
  - Multiple showerheads serving one shower
  - Wastewater reduction
- Standards for plumbing fixtures and fittings

**Outdoor Water Use**

- Water budget
- Meters for outdoor potable water use
- Irrigation design
  - Weather or soil moisture-based irrigation controllers

**MATERIAL CONSERVATION AND RESOURCE EFFICIENCY**

**Water Resistance and Moisture Management**

- Exterior weather protection
- Design for moisture control
  - Sprinklers
  - Entries and openings

**Construction Waste Reduction, Disposal and Recycling**

- Construction waste management plan
  - Documentation
  - Isolated jobsites
- Construction waste reduction of at least 50%
- 100% of excavated soil and land clearing debris

**Building Maintenance and Operation**

- Recycling by occupants
  - Sample ordinance
- Commissioning for new buildings 10,000 square feet and over
  - Owner’s Project Requirements (OPR)
  - Basis of Design (BOD)
  - Commissioning plan
  - Functional performance testing
  - Documentation and training
  - Commissioning report
- Testing and adjusting for new buildings under 10,000 square feet

**ENVIRONMENTAL QUALITY**

**Fireplaces**

- Direct-vent sealed gas or sealed wood-burning fireplaces

**Pollutant Control**

- Covering of duct openings and protection of mechanical equipment during construction
- Finish material pollutant control
  - Adhesives and sealants
  - Paints and coatings
  - Carpet systems
  - Resilient flooring
  - Composite wood products
- Air filters
- Environmental tobacco smoke control

**Indoor Moisture Control**

Title 24, Part 2, Section 1203 and Chapter 14

**Indoor Air Quality**

- Outside air delivery
- Carbon dioxide (CO<sub>2</sub>) monitoring

**Environmental Comfort**

- Acoustical Control
  - Exterior noise transmission
  - Interior sound

**Outdoor Air Quality**

- Ozone depletion and greenhouse gas reductions
  - Chlorofluorocarbons (CFCs)
  - Halons

**NONRESIDENTIAL VOLUNTARY MEASURES**

The measures contained in the appendix are not mandatory unless adopted by a city, county, or city and county. CALGreen Tier 1 and Tier 2 are intended for adoption by cities, counties, and cities and counties to help California meet its goals for greenhouse gas emission reduction. Appendix provisions may also be used voluntarily by designers, builders, and property owners.

To achieve CALGreen Tier 1 or Tier 2, one must comply with the following:

- Meet all mandatory requirements;
- Exceed 2008 Energy Efficiency Standards by 15% or 30%;
- Employ additional voluntary measures in all the following areas:
  - Parking for clean air vehicles
  - Cool roofs
  - Reduction of indoor and outdoor water use
  - Construction waste diversion
  - Use of materials with recycled content
  - Installation of low-emitting resilient flooring and thermal insulation; and
- Comply with additional elective measures as follows:
  - 5 for Tier 1
  - 15 for Tier 2

