

**CALIFORNIA BUILDING STANDARDS COMMISSION
GREEN BUILDING
WORKSHOP
May 31, 2016 - Agenda Item 4d**

**DRAFT EXPRESS TERMS for the 2016
CALIFORNIA GREEN BUILDING STANDARDS CODE,
(CALGreen), PART 11,
CALIFORNIA BUILDING STANDARDS CODE,
TITLE 24, CALIFORNIA CODE OF REGULATIONS
Proposed code language for the 2016 Intervening Code Cycle**

LEGEND FOR EXPRESS TERMS

1. New California amendments: All such language appears underlined.
2. Repealed text: All such language appears in ~~strikeout~~.
[Information for the reader is bracketed and in red italics]

5.410.1 Commissioning

- **Statement of specific purpose, problem, rationale and benefits:**
CBSC is proposing to amend the language for Commissioning to clarify that for energy related systems found in Sections 5.410.2.1 and 5.410.2.2, the applicable Energy Code provisions found in Part 6 California Energy Code must be met.

...

BUILDING MAINTENANCE AND OPERATION

5.410.2 Commissioning. [N] For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. All occupancies other than I-occupancies and L-occupancies shall comply with the California Energy Code as prescribed in California Energy Code Section 120.8. For I-occupancies which are not regulated by OSHPD or for I-occupancies and L-occupancies which are not regulated by the California Energy Code Section 100.0 Scope; all requirements in Sections 5.410.2 through 5.410.2.6 shall apply

Commissioning requirements shall include:

1. ...

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes ...

5.410.2.1 Owner's or Owner representative's Project Requirements (OPR). [N]

The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:

1. Environmental and sustainability goals.
2. Energy efficiency goals [Refer to 2013 California Energy Code, Section 120.8(b)].
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after-hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N]

A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Heating, ventilation, air conditioning [HVAC] systems and controls. (Refer to 2016 California Energy Code, Section 120.8(c)).
2. Indoor lighting system and controls [Refer to 2016 California Energy Code Section 120.8(c)].
3. Water heating system [Refer to 2016 California Energy Code Section 120.8(c)].
4. Renewable energy systems.
5. Landscape irrigation systems.
6. Water reuse systems.