

DOCKETED

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Title 24 Part 11

California Green Building Standards

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Building Standards Office
Efficiency Division

Wednesday, October 3, 2018

10:00 AM

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street

1st Floor, Rosenfeld Hearing Room

Sacramento, California





California Building Standards Code

Title 24 of the California Code of Regulations

PART 1 - CALIFORNIA ADMINISTRATIVE CODE

PART 2 - CALIFORNIA BUILDING CODE

PART 2.5 - CALIFORNIA RESIDENTIAL CODE

PART 3 - CALIFORNIA ELECTRICAL CODE

PART 4 - CALIFORNIA MECHANICAL CODE

PART 5 - CALIFORNIA PLUMBING CODE

PART 6 - CALIFORNIA ENERGY CODE

PART 7 - Vacant

PART 8 - CALIFORNIA HISTORICAL BUILDING CODE

PART 9 - CALIFORNIA FIRE CODE

PART 10 - CALIFORNIA EXISTING BUILDING CODE

PART 11 - CALIFORNIA GREEN BUILDING STANDARDS CODE

PART 12 - CALIFORNIA REFERENCED STANDARDS CODE



Title 24 PART 11 “CALGreen”

CALIFORNIA GREEN BUILDING STANDARDS CODE

CHAPTER 1 - ADMINISTRATION

CHAPTER 2 - DEFINITIONS

CHAPTER 3 - GREEN BUILDING (Scope)

CHAPTER 4 - RESIDENTIAL MANDATORY MEASURES

CHAPTER 5 - NONRESIDENTIAL MANDATORY MEASURES

CHAPTER 6 - REFERENCED ORGANIZATIONS AND STANDARDS

CHAPTER 7 - INSTALLER AND SPECIAL INSPECTOR QUALIFICATIONS

CHAPTER 8 - COMPLIANCE FORMS, WORKSHEETS AND REFERENCE MATERIAL

APPENDIX A4 - RESIDENTIAL VOLUNTARY MEASURES

APPENDIX A5 - NONRESIDENTIAL VOLUNTARY MEASURES

APPENDIX A6.1 - VOLUNTARY STANDARDS FOR HEALTH FACILITIES [OSHPD 1, 2 & 4]

**Mandatory
Energy Efficiency Targets
Title 24 Part 6**

**Voluntary
Energy Efficiency
Title 24 Part 11**



Appendix A4

Residential Voluntary Measures

- Section A4.203.1.1.1
Performance Approach for Newly Constructed
– based on **target EDR scores**
(no longer “Percent better than” mandatory Part 6)

Mandatory Title 24 Part 6

**Mandatory
Energy Efficiency Targets
Title 24 Part 6**

Voluntary Part 11

**Voluntary
Energy Efficiency
Title 24 Part 11**



Appendix A4 **Residential** Voluntary Measures

Required Prerequisites:

- **A4.203.1.1.2 Quality Insulation Installation (QII)**

AND Choose ONE of the Prerequisites below:

- **A4.203.1.2.1 Roof deck insulation, or ducts in conditioned space**
- **A4.203.1.2.2 High Performance Walls (HPW)**
- **A4.203.1.2.3 HERS-Verified Compact Hot Water Distribution System (CHWDS-H)**
- **A4.203.1.2.4 HERS-Verified Drain Water Heat Recovery (DWHR-H)**



Appendix A4

Residential Voluntary Measures

- **A4.203.1.3.1 Tier 1.**

CZ	Mixed Fuel	All-Electric
1	23	36
2	12	16
3	10	14
4	8	12
5	10	16
6	10	12
7	5	7
8	10	10
9	13	13
10	10	11
11	11	12
12	12	13
13	11	13
14	15	16
15	11	8
16	22	39

- **A4.203.1.3.2 Tier 2.**

CZ	Mixed Fuel	All-Electric
1	13	0
2	5	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	5	0
15	0	7
16	14	10

- Section A4.204 Performance Approach for Additions has been struck



Appendix A5 **Nonresidential** Voluntary Measures

Choose **ONE** of the following Prerequisites for **Tier 1** and **TWO** for **Tier 2**:

- **A5.203.1.1.1 Outdoor lighting**
- **A5.203.1.1.2 Service water heating in restaurants**
- **A5.203.1.1.3 Warehouse Dock Seal Doors**
- **A5.203.1.1.4 Daylight Design
Power Adjustments Factors (PAFs)**
- **A5.203.1.1.5 Exhaust Air Heat Recovery**



Appendix A5

Nonresidential Voluntary Measures

Section A5.203, Performance Approach

- Retain the “**Percent better than**” mandatory language
- Target Percentages continue to vary depending on whether lighting and/or mechanical systems are included for nonresidential building projects
 - **Tier 1:** 5% or 10%
 - **Tier 2:** 10% or 15%
- For **high-rise residential and hotel/motel projects the target percentages were adjusted** to reflect that there is no additional credit available for lighting improvements
 - **Tier 1:** 5%
 - **Tier 2:** 10%

Questions?

