

DEPARTMENT OF LOCAL AFFAIRS

Division of Housing

RESOLUTION #36 ON-SITE CONSTRUCTION AND SAFETY CODES FOR MOTELS, HOTELS AND MULTI-FAMILY DWELLINGS IN THOSE AREAS OF THE STATE WHERE NO SUCH STANDARDS EXIST

8 CCR 1302-8

[Editor's Notes follow the text of the rules at the end of this CCR Document.]

BE IT RESOLVED BY THE STATE HOUSING BOARD OF THE STATE OF COLORADO;

THAT PURSUANT TO §24-32-3301 et seq, C.R.S. as amended, the State Housing Board of the State of Colorado (the "Housing Board") repeals and readopts Resolution #36; and

THAT PURSUANT TO §24-32-3301 et seq, C.R.S. as amended, the State Housing Board adopts the nationally recognized codes as cited in SCHEDULE "B" as the "Colorado Construction Safety Code for hotels, motels, and multi-family dwellings built in areas of the state where no such standards exist including the renovation of dwelling units that are the Division of Housing responsibility"; and

THAT PURSUANT TO §24-32-3301 et seq, C.R.S. as amended, the State Housing Board states the basis and purpose of these rule changes is to update the current minimum construction and safety code for "hotels, motels, and multi-family dwellings in areas of the state with no local building codes"; and

The State Housing Board states that these rules do not include later amendments to or editions of the nationally recognized code; and

The Colorado Housing Board repeals and readopts these rules and regulations to be administered and enforced by the Colorado Division of Housing (the Division of Housing).

RULES AND REGULATIONS

Section 1: SCOPE

Every hotel, motel, and multi-family dwelling, in areas of the state with no local building codes, that is constructed or renovated after the effective date of these regulations must have a building permit, be inspected, and issued a certificate of occupancy by the Division of Housing, certifying that the unit is constructed in compliance with the standards adopted in Schedule "B," which is incorporated herein and made a part of these Rules and Regulations by reference, and all other requirements set forth by this resolution.

The State Housing Board states that the Program Manager, Housing Technology and Standards Section, Colorado Division of Housing, 1313 Sherman Street, Room 321, Denver, Colorado 80203, will provide information regarding how the nationally recognized code may be obtained or examined. Incorporated material may also be examined at any state public library.

Section 2: DEFINITIONS

- (1) "CERTIFICATE OF OCCUPANCY" is a certificate stating at the time of issuance the structure was built in compliance with all applicable codes and construction standards as adopted by the State Housing Board.
- (2) "CORRECTION NOTICE" is a notice indicating that a structure contains non-compliance(s) to the

adopted code that is not life threatening, but may require correction prior to sign off of specific inspection requested.

- (3) "EQUIPMENT" means all materials, appliances, devices, fixtures, fittings and apparatus used in the construction, plumbing, mechanical and electrical systems of a structure.
- (4) "INTERIM CHANGE" means any change made between the approval date and the expiration date.
- (5) "MULTI-FAMILY" means a structure containing three or more dwelling units or a bed and breakfast dwelling that has six or more guest rooms.
- (6) "PLAN" is a specific design of a hotel, motel, or multi-family dwelling designed by the owner/developer, which is based on size, floor plan, method of construction, location arrangement and sizing of plumbing, mechanical or electrical equipment and systems therein in accordance with plans submitted to the Division of Housing.
- (7) "STRUCTURE" means a hotel, motel, or multi-family dwelling structure that shall comply with these rules and regulations.

Section 3: PLAN APPROVAL

- (1) All owner/developers shall make application to the Division of Housing for plan approval prior to construction.
- (2) Applications shall be made on forms supplied by the Division of Housing:
 - A. Submittal for approval of specifications and plans shall meet or exceed the minimum requirements as specified by the Division of Housing.
 - B. All applications submitted shall be stamped by an architect and/or engineer.
- (3) The Division of Housing will grant or deny approval within twenty (20) working days of the receipt of complete submittal and with the required number of copies.
 - A. If a complete application, specifications and plans are not submitted within one hundred twenty days of the original application date, the application shall expire.
 - B. Expired applications must be resubmitted as new applications with new application forms and submittals.
- (4) Approved plans and specifications shall be evidenced by the stamp of approval of the Division of Housing. One approved copy shall be returned to the owner/developer and shall be retained at the job site. An additional approved copy shall be kept on file with the Division of Housing. Interim changes, additions, or deletions will not be acceptable without prior approval of the Division of Housing.

Section 4: APPLICATIONS

- (1) All structures, as defined above, which are constructed or renovated in areas of the state with no local building codes must have a plan approved by the Division of Housing.
- (2) Plan approvals are granted to an owner/developer for a specific site location and are not transferable to other locations.
- (3) Approved copies of the specifications and plans shall be kept on the job site by the owner/developer

for the purpose of construction and inspection by Division of Housing inspectors.

- (4) The granting of plan approvals shall not be construed to be a permit or approval of any violation of the provisions of these regulations. All structures shall be subject to field inspection. The approval of the plans shall not prevent the Division of Housing from requiring the correction of errors in the plans or the structure when in violation of these regulations.

Section 5: BUILDING PERMIT

The Division of Housing will issue a building permit upon approval of application and plans. The owner/developer may begin construction upon receipt of the approved plans and building permit.

Section 6: INTERIM CHANGES

- A. Interim changes shall be required where the owner/developer proposes a change in plumbing, heating, electrical, and/or fire life safety systems. Such changes shall become part of the approved plan unless the Division of Housing requires a total new design package. If determined a new design is necessary, the interim change shall be processed as a new application.
- B. When amendments to these regulations require changes to be made to an approved plan, the Division of Housing shall notify the owner/developer of the requirement and shall allow them reasonable time to submit revised plans for approval.

Section 7: ON-SITE INSPECTIONS

- A. The Division of Housing shall conduct on-site inspections of all structures that are constructed or renovated in areas of the state with no local building codes. All structures shall be inspected per the requirements of the applicable codes listed in Schedule "B" .

Section 8: EXPIRATION DATES

- A. Each plan approval shall remain in force and effect as outlined in the applicable codes listed in Schedule "B" .

Section 9: POSTED STRUCTURES

- A. Whenever an inspection reveals that a structure has a life threatening violation or is being constructed without Division of Housing approved plans, the Division of Housing shall post such a structure with a Stop Work Order.
- (1) When a structure is posted with a Stop Work Order, the Division of Housing will notify the owner/developer that the structure contains a violation(s).
- (a) No work shall be continued on a structure until all violations are corrected.
- (b) Within ten (10) working days, the owner/developer shall notify the Division of Housing of the action taken to correct the violation(s).
- (c) All structures that are corrected shall be reinspected to assure compliance with the codes and regulations.
- (B) Stop Work Orders shall be removed only by an authorized representative of the Division of Housing.

Section 10: CERTIFICATE OF OCCUPANCY

A Certificate of Occupancy shall be issued by the Division of Housing certifying that at the time of issuance the structure was built in compliance with the State Housing Board requirements.

Section 11: REVOCATION OF BUILDING PERMIT

- A. The State Housing Board may revoke a Building Permit after notice and hearing pursuant to Section 24-4-104 & 24-4-105, C.R.S., whenever an owner/developer has violated any provision of these regulations or when a permit was granted in error, on the basis of incorrect information supplied by the applicant.
- B. Judicial review of Building Permit revocation actions shall be governed by Section 24-4-106, C.R.S.

Section 12: DENIAL OF BUILDING PERMIT

- A. The Division of Housing may deny an application for a Building Permit if plans are in violation of Schedule "B" .
- B. The Division shall promptly notify the applicant of the denial, revocation or condition imposed. The applicant may, within 60 days following such action, request a hearing before the State Housing Board. If requested, a hearing shall be conducted pursuant to Section 24-4-105, C.R.S. Thereafter, the final decision of the State Housing Board shall be subject to judicial review in accordance with Section 24-4-106, C.R.S.

Section 13: FEES

Fees will be assessed for each Multi-Family Structure in accordance with Schedule "A" , which is incorporated herein and made part of these Rules and Regulations by reference.

Section 14: IRREGULARITIES

Any and all irregularities in these Rules and Regulations shall not be justification for producing any Unit without proper inspections and in violation of the adopted construction codes.

ATTEST:

Teresa Duran, Acting Director
Colorado Division of Housing

Theo Gregory, Chairperson
Colorado State Housing Board

Date

Date

SCHEDULE "A" FEE SCHEDULE

All fees, except inspection fees, are due in advance and must accompany the application. Fees shall not be subject to refund.

- | | | |
|----|---------------------------------------------------------------------|------------------------------------|
| 1. | Plan checking fees
(maximum 3-sets): | \$0.25 per sq. ft. (\$160
min.) |
| | Finished space | |
| . | ..Unfinished space | \$0.10 per sq. ft. |
| 2. | Supplemental plan check
fee (revisions, duplicate
sets etc.): | \$0.10 per sq. ft. (\$50
min.) |

.	..Note: Fee for revisions to be calculated based on space revised.	.
3.	Certificate of Occupancy (each separate structure):	\$100.00
4.	Waiver of fees for Government Assisted Housing; with State Housing Board concurrence, the Division of Housing may waive plan review fees for units to be subsidized under local, state or federal housing programs for low-income households.	.
5.	Inspection fees:	.
.	..A.. On-site inspection fee:	\$230.00 per inspector per trip.
.	..C.. Special inspection fee:	.
.	In-State: \$50.00 per hour, per inspector plus trip expenses of travel, food, lodging, parking, car rental, etc. as allowed in state fiscal rules for per diem and travel.	.
.	Out of-State: \$50.00 Hour/ per inspector plus trip expenses of travel, food, lodging, parking, car rental, etc. as allowed in state fiscal rules for per diem and travel.	.
.	..D.. Red Tag fee:	\$250.00

SCHEDULE "B"

The State Housing Board adopts the following nationally recognized codes as the "Colorado Construction Safety Code For On-Site Construction Of Motels, Hotels, And Multi-Family Dwellings In Those Areas Of The State Where No Such Standards Exist".

Factory-Built Housing Construction Code of the State of Colorado

Shall be:

1. The International Building Code, 2006 Edition, published by the International Code Council, Inc.
2. The International Residential Code, 2006 Edition, published by the International Code Council, Inc.
3. The International Mechanical Code, 2006 Edition, published by the International Code Council, Inc.
4. The International Plumbing Code, 2006 Edition, published by the International Code Council, Inc.
5. The National Electric Code, 2008 Edition, published by the National Fire Protection Association, Inc.
6. The International Fuel Gas Code, 2006 Edition, published by the International Code Council, Inc.
7. The International Energy Conservation Code, 2006 Edition, published by the International Code Council, Inc. effective until June 30, 2010.
8. The International Energy Conservation Code, 2009 Edition, published by the International Code Council, Inc. effective July 1, 2010.

Transition Period: Builders shall be permitted to use the construction codes in effect prior to the adoption of this resolution for a maximum of 90-days after this resolution takes effect.

AMENDMENTS:

The following amendments by addition, deletion, revision and exceptions are made:

INTERNATIONAL BUILDING CODE:

Section 310, R-3, Add new sentence at the end:

A single building or structure where 5 or less adults sleep at any time (commercial worker housing) may comply with the International Residential Code as a dwelling provided there is no mixed occupancy and there is permanently affixed signage in the immediate vicinity of sleeping rooms that states "No more than 5-adults may sleep at any time in this building" .

Section 901.5.1 Add the following Section:

Special inspector required. All fire protection systems required by this Chapter shall be inspected and approved by a special inspector. The inspector shall be an employee of the fire department having jurisdiction or another qualified individual with prior approval of the Colorado Division of Fire Safety. Inspections and approvals will be regulated under Chapter 17 of this Code.

Section 907, Amend title to: "Single and multiple station alarms" and add subsections:

907.2.10.5 Carbon monoxide alarms. In new construction, dwelling units within which fuel-fired appliances are installed or have an attached garage, shall be provided with an approved carbon monoxide alarm installed outside of each separate sleeping area within 10 feet of the bedroom(s).

907.2.10.5.1 Alarm requirements. The required carbon monoxide alarms shall be clearly audible in all bedrooms over normal background noise levels with doors closed. Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

UL 2034 2008 Standard for Single and Multiple Station Carbon Monoxide Alarms

907.2.10.6 Separate circuits prohibited. Smoke and/or Carbon Monoxide alarms shall not be installed

on a circuit dedicated only for Smoke and/or Carbon Monoxide alarms.

Section 1507.1.1, Ice Dam Membrane Required is amended to read:

Ice dam protection is required where stated throughout Section 1507 due to a history of ice forming along eaves in Colorado. Regardless of roof slope or material, when the snow load is above sixty five pounds per square foot (65lb./sq.ft.), roofing underlayment shall be two layers of Type 15 felt applied shingle fashion and solid mopped together with approved cementing material between the plies, or 40 mil listed self adhering roofing membrane and shall be installed extending from the eave up the roof to a point 8 feet 6 inches inside the exterior wall line of the building and shall extend continuously to a point 4 feet from any valley, cricket or similar construction junctions with roofs. The ice dam membrane shall extend up vertical construction junctions such as dormer walls a minimum of twelve (12) inches prior to the installation of flashing and roof covering.

Section 1608.2, Ground Snow Load is amended to read:

Roof Snow Load (Pf) design criteria shall be in accordance with the local jurisdiction requirements. The minimum roof snow load shall be 30 PSF and the allowable increase for snow duration shall not be used when the snow load is above 65 PSF.

Section 1609.1.1. Add the Following:

Wind Load design criteria shall be in accordance with the local jurisdiction requirements. The minimum Wind load design criteria shall be 90 MPH, Exposure C, unless otherwise justified.

Section 2111.1.1. New Fireplaces – Add the following section:

Every new fireplace shall have permanently installed one of the following:

1. Approved gas logs.
2. Other approved gas or alcohol specific appliances.
3. An approved fireplace insert meeting the most stringent emission standards for wood stoves established under State statute and/or regulations promulgated by the State Air Quality Control Commission (AQCC) as of the time of installation of the fireplace; or
4. A solid fuel burning device which is exempt from and not eligible for certification under U.S. Environmental Agency (U.S. EPA) regulations for wood stoves but which has been tested to demonstrate its emission performance is in accordance with criteria and procedures not less stringent than those required by the U.S. EPA and/or AQCC for wood stoves manufactured after July 1, 1990.

INTERNATIONAL RESIDENTIAL CODE:

Section R105.2, Work exempt from permit. Building:

Item #1. Change 120 square feet to 200 square feet

TABLE R301.2(1) IS AMENDED TO READ:

ROOF SNOW LOAD ¹	WIND SPEED (mph) ¹	SEISMIC DESIGN CATEGORY	Subject to Damage From				WINTER DESIGN TEMP ²	ICE BARRIER UNDERLAYMENT REQUIRED	FLOOD HAZARDS	FLOOD HAZARDS
			WEATHER	FROST LINE DEPTH ³	TERMITE	DECAY				
MIN. 30 psf	MIN. 90 mph, Exp. C	B	SEVERE	PER LOCAL	SLIGHT	SLIGHT	PER LOCAL	YES	PER LOCAL	PER LOCAL

⁽¹⁾The roof snow load and wind speed shall be in accordance with the local jurisdiction requirements and shall not be less than the minimums stated. The allowable increase for snow duration shall not be used when the snow load is above 65 PSF.

⁽²⁾See Attachment A and verify with local jurisdiction.

⁽³⁾See the National Climatic Data Center data table "Air Freezing Index-USA Method (Base 32°F)" at www.ncdc.noaa.gov/fpsf.html.

Table R301.5 – Live Loads

...add footnote (j) to Decks, Exterior balconies, Fire escapes:

(j)When the snow load is above 65 psf, the minimum uniformly distributed live loads for exterior balconies, decks and fire escapes shall be as required for roof snow loads.

Section 313, Amend title to: “Alarms” and add subsections:

R313.1.1 Carbon monoxide alarms. In new construction, dwelling units within which fuel-fired appliances are installed or have an attached garage, shall be provided with an approved carbon monoxide alarm installed outside of each separate sleeping area within 10 feet of the bedroom(s).

R313.1.2 Alarm requirements. The required carbon monoxide alarms shall be clearly audible in all bedrooms over normal background noise levels with doors closed. Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer’s installation instructions.

UL 2034 2008 Standard for Single and Multiple Station Carbon Monoxide Alarms

R313.2 Add new sentence at the very end:

Smoke and/or Carbon Monoxide alarms shall not be installed on a circuit dedicated only for Smoke and/or Carbon Monoxide alarms.

Section R802.10 Wood trusses.

...add new section:

R802.10.6 Marking. Each truss shall be legibly branded, marked, or otherwise have permanently affixed thereto the truss identification as shown on the truss design drawing located within two (2) feet of the peak of the truss on the face of the top chord.

Section R905.1 – Roof Covering Application

...add subsection:

R905.1.1 Ice dam membrane required. Ice dam protection is required, where stated throughout Section R905, due to a history of ice forming along eaves in Colorado. An ice dam protection underlayment that consists of at least two layers of underlayment cemented together or of a self-adhering polymer-modified bitumen sheet shall extend from the eave's edge to a point at least 24 inches inside the exterior wall line of the building. For snow loads above 65 psf, the ice dam membrane shall be extended from the eave to a point 8 feet 6 inches inside the exterior wall line, and shall extend continuously to a point 4 feet from any valley, cricket or similar construction junction with roofs. The ice dam membrane shall extend up vertical construction junctions such as dormer walls a minimum of twelve (12) inches prior to the installation of flashing and roof covering.

Section R1004.4, G2406.2 exception 3 and 4, G2425.8 #7, G2445; Delete all and add:

Unvented fuel fired room heaters are prohibited.

Section R1004.5 – Fireplaces

...add:

Every new fireplace shall have permanently installed one of the following:

1. Approved gas logs;
2. Other approved gas or alcohol specific appliances;
3. An approved fireplace insert meeting the most stringent emission standards for wood stoves established under State statute and/or regulations promulgated by the State Air Quality Control Commission (AQCC) at the time of installation of the fireplace; or
4. A solid fuel burning device which is exempt from and not eligible for certification under U.S. Environmental Agency (U.S. EPA) regulations for wood stoves but which has been tested to demonstrate its emission performance is in accordance with criteria and procedures not less stringent than those required by the U.S. EPA and/or AQCC for wood stoves manufactured after July 1, 1990.

Chapter 11 – ENERGY EFFICIENCY

Replacement Date:

On July 1, 2010 the entire chapter is to be deleted and replaced with Chapter 11 of the 2009 International Residential Code.

...add new sentence:

N1101.1 Scope. An approved "Zero-Energy Building" is exempt from the provisions of this Chapter 11.

Section M2001.1 - Installation

...is amended to add the following sentence:

All rooms or spaces containing boilers shall be provided with a floor drain and trap primer.

Section G2417.4.1 Test pressure

...is amended as follows:

The test pressure to be used shall be not less than one and one half times the proposed maximum working pressure, but not less than 10 psig (69 kPa gauge), irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe.

Electrical Sections

Delete Chapters 33 through 42.

INTERNATIONAL FUEL GAS CODE:

Section 303.3 Prohibited locations.

...Add Item:

Number 6. LPG appliances. LPG appliances shall not be installed in a pit, basement or crawl space where unburned fuel may accumulate unless an approved sensing device is installed. Delete Exception Numbers 3 and 4.

Section 406.4.1 Test pressure.

...amend to read:

The test pressure to be used shall be not less than one and one-half times the proposed maximum working pressure, but not less than 10 psig (20 kPa gauge), irrespective of design pressure. Where the test pressure exceeds 125 psig (862 kPa gauge), the test pressure shall not exceed a value that produces a hoop stress in the piping greater than 50 percent of the specified minimum yield strength of the pipe. Welded gas and medium pressure piping (14 inch water column or greater) shall be tested at a minimum of 60 psi.

Section 601.1. Scope. Add the following sentence:

Approved gas logs shall be installed in new solid fuel burning fireplaces when required by Sections 2111.1.1 of the International Building Code amended effective January 1, 2004.

Section 621 Unvented room heaters. Amend to read:

Unvented fuel fired room heaters are prohibited.

INTERNATIONAL PLUMBING CODE:

The following Appendix Chapters to the International Plumbing Code, 2006 Edition, are hereby adopted.

Appendix Chapter D – Degree Day and Design Temperatures for Cities in the United States.

Appendix Chapter E – Sizing of water piping systems.

No other appendix chapters are adopted.

INTERNATIONAL MECHANICAL CODE:

Add the following Sections –

Section 303.3.1 LPG appliance.

LPG appliances shall not be installed in a pit, basement or crawl space where unburned fuel may accumulate unless an approved sensing device is installed in conjunction with an automatic shut-off valve at the LPG tank.

Section 903.1 General. Add sentence:

Every new installation of a solid fuel-burning, vented decorative appliance or room heater shall meet the most stringent emission standards for woodstoves established under State statute and/or regulations promulgated by the State Air Quality Control Commission as of the time of installation of the appliance for room heater. (Effective January 1, 1991 – CC90-617.)

Section 903.3... is amended to read as follows:

Unvented gas log heaters are prohibited.

INTERNATIONAL ENERGY CONSERVATION CODE

Section 101.2.1 Exempt Buildings.

...add exemption:

101.2.1.3 Zero-Energy Buildings. Zero energy buildings are exempt from the provisions of the International Energy Conservation Code.

Section 202 – Definitions

...add definition:

ZERO-ENERGY BUILDING. A building with zero net energy consumption and zero carbon emissions annually as certified by an approved annual energy use analysis.

NATIONAL ELECTRIC CODE:

The following amendments by addition, deletion, revision and exceptions are made to the **National Electrical Code, 2008 Edition**, for use with all Factory Built units:

1. Article 406.8(C), (1) Shower or Bathroom space. Receptacle outlet shall not be installed in or within 30 inch (762 mm) of a shower or bathtub base.
2. Article 545, Manufactured Buildings, is amended to include: 545.14. Testing.
 - (A) Dielectric Strength Test. The wiring of each factory built unit shall be subjected to a 1-minute, 900-volt AC or 1273-volt DC dielectric strength test (with all switches closed) between live parts (including neutral) and the ground. Alternatively, the test shall be permitted to be performed at 1,080–volts AC or 1527–volts DC for 1 second. This test shall be performed after branch circuits are complete and after wiring devices are installed and wiring properly terminated.

Exception 1: Listed fixtures or appliances shall not be required to withstand the dielectric strength test.

Exception 2: Units wired in Electrical Metallic Tubing or Rigid Metal Conduit.

(B) Continuity and Operational Tests and Polarity Checks. Each manufactured building shall be subjected to:

- (1) An electrical continuity test to ensure that all exposed electrically conductive parts are properly bonded;
- (2) An electrical operational test to demonstrate that all equipment, except water heaters and electric furnaces, is connected and in working order; and
- (3) Electrical polarity checks of permanently wired equipment and receptacle outlets to determine that connections have been properly made.

These tests shall be performed after branch circuits are complete and after wiring devices are installed and wiring properly terminated.

3. Article 320.23(A). Add a new sentence at the end:

Substantial guard strips shall be provided to protect wiring within three (3) feet of the marriage line where the attic is exposed and the roof is completed on-site, such as a hinged roof. See Article 320.23(A)

ATTACHMENT "A"

DEGREE DAYS AND DESIGN TEMPERATURES FOR COLORADO CITIES AND TOWNS

			Design Temperature Winter 97½ %
	Location	Heating Degree Days	
1	Alamosa	8749	-16
2	Aspen	9922	-1
3	Boulder	5554	2*
4	Buena Vista	8003	-1
5	Burlington	6320	2
6	Canon City	4987	8
7	Cheyenne Wells	5925	1
8	Colorado Springs	6415	2
9	Cortez	6667	5
10	Craig	8403	-14
11	Creede	11375	-18
12	Del Norte	7980	-4
13	Delta	5927	6
14	Denver	6020	1
15	Dillon	11218	-16
16	Dove Creek	7401	-6
17	Durango	6911	4
18	Eagle	8106	11
19	Estes Park	7944	-7

Data taken from Department of Energy (Rescheck 4.1.3), Climate Data published by Rocky Mountain Chapter ASHRAE, First Edition-Centennial 1976, 1985 ASHRAE Fundamentals Handbook (See 2006 IPC

appendix D).

Degrees North Latitude may be obtained at www.ncdc.noaa.gov/fpsf.html

* Per Local. 8° per 1985 ASHRAE

DEGREE DAYS AND DESIGN TEMPERATURES FOR COLORADO CITIES AND TOWNS

			Design Temperature
		Heating	Winter
	Location	Degree Days	97½ %
20	Ft. Collins	6368	-4
21	Ft. Morgan	6460	-5
22	Fraser	9777	-22
23	Glenwood Springs	7313	5
24	Granby	9316	-
25	Grand Junction	5548	7
26	Greeley	6306	-5
27	Gunnison	10516	-17
28	Holyoke	6583	-2
29	Idaho Springs	8094	0
30	Julesburg	6447	-3
31	Kit Carson	6372	-1
32	Kremmling	10095	-19
33	La Junta	5263	3
34	Lamar	5414	0
35	Last Chance	-----	-2
36	Leadville	11500	-4
37	Limon	6961	0
38	Longmont	6443	-2
39	Meeker	8658	-6
40	Montrose	6383	7
41	Ouray	7639	7

Data taken from Department of Energy (Rescheck 4.1.3), Climate Data published by Rocky Mountain Chapter ASHRAE, First Edition-Centennial 1976, 1985 ASHRAE Fundamentals Handbook (See 2006 IPC appendix D).

Degrees North Latitude may be obtained at www.ncdc.noaa.gov/fpsf.html

DEGREE DAYS AND DESIGN TEMPERATURES FOR COLORADO CITIES AND TOWNS

			Design Temperature
		Heating	Winter
	Location	Degree Days	97½ %
42	Pagosa Springs	8548	-9
43	Pueblo	5413	0
44	Rangely	7328	-8
45	Rifle	6881	0
46	Saguache	8781	-3

47	Salida	7355	-3
48	San Luis	8759	-10
49	Silverton	11064	-13
50	Springfield	5167	3
51	Steamboat Springs	9779	-16
52	Sterling	6541	-2
53	Trinidad	5339	3
54	Uravan	-----	8
55	Vail	9248	-14
56	Walden	10378	-17
57	Walsenburg	5438	1
58	Wray	6160	-1
59	Yuma	5890	-2

Data taken from Department of Energy (Rescheck 4.1.3), Climate Data published by Rocky Mountain Chapter ASHRAE, First Edition-Centennial 1976, 1985 ASHRAE Fundamentals Handbook (See 2006 IPC appendix D).

Degrees North Latitude may be obtained at www.ncdc.noaa.gov/fpsf.html

Editor's Notes

History

Entire Rule eff. 07/30/2009.