

TITLE 14 HOUSING AND CONSTRUCTION
CHAPTER 9 MECHANICAL CODES
PART 6 2012 NEW MEXICO SOLAR ENERGY CODE

14.9.6.1 ISSUING AGENCY: Construction Industries Division (CID) of the Regulation and Licensing Department.

[14.9.6.1 NMAC - Rp, 14.9.6.1 NMAC, 05/01/15]

14.9.6.2 SCOPE: This rule applies to all contracting work performed in New Mexico on or after May 1, 2015, that is subject to the jurisdiction of CID, unless performed pursuant to a permit for which an application was received by CID before that date.

[14.9.6.2 NMAC - Rp, 14.9.6.2 NMAC, 05/01/15]

14.9.6.3 STATUTORY AUTHORITY: Section 60-13-9 and 60-13-44 NMSA 1978.

[14.9.6.3 NMAC - Rp, 14.9.6.3 NMAC, 05/01/15]

14.9.6.4 DURATION: Permanent.

[14.9.6.4 NMAC - Rp, 14.9.6.4 NMAC, 05/01/15]

14.9.6.5 EFFECTIVE DATE: May 1, 2015, unless a later date is cited at the end of a section.

[14.9.6.5 NMAC - Rp, 14.9.6.5 NMAC, 05/01/15]

14.9.6.6 OBJECTIVE: The purpose of this rule is to establish minimum standards for the construction of all solar energy systems in New Mexico.

[14.9.6.6 NMAC - Rp, 14.9.6.6 NMAC, 05/01/15]

14.9.6.7 DEFINITIONS: See 14.5.1 NMAC, General Provisions and Chapter 2 of the 2012 Uniform Solar Energy Code (USEC) as amended in 14.9.6.10 NMAC.

[14.9.6.7 NMAC - Rp, 14.9.6.7 NMAC, 05/01/15]

14.9.6.8 ADOPTION OF THE 2012 UNIFORM SOLAR ENERGY CODE:

A. This rule adopts by reference the 2012 USEC and all appendices, as amended by this rule.

B. In this rule, the internal numbering of each provision corresponds with the numbering of the 2012 USEC.

C. This rule is to be applied in conjunction with all the other 2009 New Mexico building codes, including the New Mexico plumbing code (NMPC), the New Mexico mechanical code (NMMC) the New Mexico commercial building code (NMCBC), the New Mexico residential building code (NMRBC), and the 2014 New Mexico electrical code (NMEC).

[14.9.6.8 NMAC - Rp, 14.9.6.8 NMAC, 05/01/15]

14.9.6.9 CHAPTER 1 ADMINISTRATION:

A. 101.0 General.

(1) **101.1 Title.** Delete this section of the USEC and substitute: This code shall be known as the 2009 New Mexico solar energy code (NMSEC).

(2) **101.2 Scope.** Delete this section of the USEC and see 14.9.6.2 NMAC.

(3) **101.3 Purpose.** Delete this section of the USEC and substitute: The purpose of this code is to establish minimum standards for all solar energy systems construction in New Mexico.

(4) **101.4 Unconstitutional** Delete this section of the USEC and see 14.5.1 NMAC.

(5) **101.5 Validity.** Delete this section of the USEC and see 14.5.1 NMAC.

B. 102.0 Applicability.

(1) **102.1 Conflicts between codes.** Delete this section of the USEC and see 14.5.1 NMAC.

(2) **102.2 Existing installation.** Delete this section of the USEC.

(3) **102.3 Maintenance.** Delete this section of the USEC.

(4) **102.8 Appendices.** All appendices in the USEC are specifically adopted except delete sections D2.2 and D2.3 from appendix D.

C. 103.0 Duties and powers of the authority having jurisdiction.

- (1) **103.1 General.**
 - (2) **103.2 Liability.** Delete this section of the USEC and see the Construction Industries Licensing Act (CILA) Section 60-13.26.
 - (3) **103.3 Applications and permits.** Delete this section of the USEC and see 14.5.2 NMAC.
 - (4) **103.4 Right of entry.** Delete this section of the USEC and see CILA section 60-13-42.
 - D. 104.0 Permits.**
 - (1) **104.1 Permits required.** Delete this section of the USEC and see 14.5.2 NMAC.
 - (2) **104.2 Exempt work.** Delete this section of the USEC and see 14.5.2 NMAC.
 - (3) **104.3 Application for permit.** Delete this section of the USEC and see 14.5.2 NMAC.
 - (4) **104.4 Permit issuance.** Delete this section of the USEC and see 14.5.2 NMAC.
 - (5) **104.5 Fees.** Delete this section of the USEC and see 14.5.5 NMAC.
 - E. 105.0 Inspections and testing.** Delete this section and table 104.5 of the USEC and see 14.5.3 NMAC, except for Subsection **103.5.6 reinspections**, see 14.5.5 NMAC.
 - F. 106.0 Violations and Penalties.** Delete this section of the USEC and see 14.5.3 NMAC.
 - G. 107.0 Board of appeals.**
- [14.9.6.9 NMAC - Rp, 14.9.6.9 NMAC, 05/01/15]

- 14.9.6.10 CHAPTER 2 DEFINITIONS:** See this chapter of the USEC, except as provided below.
- A. 207.0 “E” - Existing work.** Delete the text of definition and see section 102.0 of the Uniform Mechanical Code (UMC).
 - B. 215.0 “M” - Mechanical code.** Delete the text of this definition and see section 14.5.1 NMAC.
 - C. 218.0 “P”.**
 - (1) **Plenum.** Delete the text of this definition and see the definition of this term in the UMC.
 - (2) **Plumbing code.** Delete the text of this definition and see section 14.5.1 NMAC.
 - D. 220.0 “R” - Roughing In.** See this definition in the USEC except add “electrical control wiring” after “piping” in the definition.
 - E. 221.0 “S” - Swimming pool code.** Delete the text of this definition and see section 14.5.1 NMAC.
- [14.9.6.10 NMAC - Rp, 14.9.6.10 NMAC, 05/01/15]

- 14.9.6.11 CHAPTER 3 GENERAL REGULATIONS:** See this chapter of the USEC except as follows:
- 305.1 Dissimilar metals.** See this section of the USEC except delete “of open loop systems” in the last sentence.
- [14.9.6.11 NMAC - Rp, 14.9.6.11 NMAC, 05/01/15]

- 14.9.6.12 CHAPTER 4 PIPING:** See this chapter of the USEC except as follows: **402.1.8 Freeze protection.** See this section of the USEC except delete the first sentence and substitute with the following: No solar thermal piping containing heat transfer fluid that is capable of freezing under normal conditions shall be installed or permitted outside of a building or in an exterior wall, unless, where necessary, adequate provisions is made to protect such pipe from freezing.
- [14.9.6.12 NMAC - Rp, 14.9.6.12 NMAC, 05/01/15]

- 14.9.6.13 CHAPTER 5 JOINTS AND CONNECTIONS:** See this chapter of the USEC.
- [14.9.6.13 NMAC - Rp, 14.9.6.13 NMAC, 05/01/15]

- 14.9.6.14 CHAPTER 6 THERMAL STORAGE:** See this chapter of the USEC.
- [14.9.6.14 NMAC - Rp, 14.9.6.14 NMAC, 05/01/15]

- 14.9.6.15 CHAPTER 7 COLLECTORS:** See this chapter of the USEC.
- [14.9.6.15 NMAC - Rp, 14.9.6.15 NMAC, 05/01/15]

- 14.9.6.16 CHAPTER 8 THERMAL INSULATION:** See this chapter of the USEC.
- [14.9.6.16 NMAC - Rp, 14.9.6.16 NMAC, 05/01/15]

- 14.9.6.17 CHAPTER 9 SOLAR THERMAL SYSTEMS FOR A SWIMMING POOL:** See this chapter of the USEC.

[14.9.6.17 NMAC - N, 05/01/15]

14.9.6.18 CHAPTER 10 ELECTRICAL: Delete this chapter of the USEC and see 14.10.4 NMAC.
[14.9.6.18 NMAC - Rp, 14.9.6.18 NMAC, 05/01/15]

14.9.6.19 CHAPTER 11 PUMPS. See this chapter of the USEC.
[14.9.6.19 NMAC - N, 05/01/15]

14.9.6.20 CHAPTER 12 REFERENCED STANDARDS: See this chapter of the USEC.
[14.9.6.20 NMAC - N, 05/01/15]

14.9.6.21 APPENDICES: See this chapter of the USEC, except delete appendix b and appendix c.
[14.9.6.21 NMAC - Rp, 14.9.6.20 NMAC, 05/01/15]

HISTORY OF 14.9.6 NMAC:

Pre-NMAC History: The material in this part was derived from that previously filed with state records center and archives under:

CIC 77-3, 1976 New Mexico Uniform Solar Energy Code, 2/26/77.

CID MB-80-6, 1979 Uniform Solar Energy Code, 4/24/80.

MB-USEC-82-1, 1982 Uniform Solar Energy Code, filed 11/4/82.

MB-USEC-85-1, 1985 Uniform Solar Energy Code, 12/23/85.

MB-USEC-88-1, 1988 Uniform Solar Energy Code, 12/15/88.

MB-USEC-91-1, 1991 Uniform Solar Energy Code, 7/28/92.

History of Repealed Material:

14.9.6 NMAC, Housing and Construction, Mechanical Codes, 2006 New Mexico Solar Energy Code (filed 01-24-2008) repealed 11-1-11.

14.9.6 NMAC, Housing and Construction, Mechanical Codes, 2009 New Mexico Solar Energy Code (filed 09-27-2011) repealed 5-1-15.

Other History:

MB-USEC-91-1, 1991 Uniform Solar Energy Code (filed 7/28/92) replaced by 14 NMAC 9.2, 1997 New Mexico Plumbing and Mechanical Code, effective 12/31/98.

14 NMAC 9.2, 1997 New Mexico Plumbing and Mechanical Code (filed 10/30/98) replaced by 14.9.2 NMAC, 2003 New Mexico Mechanical Code, effective 7/1/04.

That applicable portion of 14.9.2 NMAC, 2003 New Mexico Mechanical Code (filed 5/27/04) replaced by 14.9.6 NMAC, 2006 New Mexico Solar Energy Code, effective 2/24/08.

14.9.6 NMAC, Housing and Construction, Mechanical Codes, 2006 New Mexico Solar Energy Code (filed 1-24-2008) was replaced by 14.9.6 NMAC, Housing and Construction, Mechanical Codes, 2009 New Mexico Solar Energy Code, effective 11-1-11.

14.9.6 NMAC, Housing and Construction, Mechanical Codes, 2009 New Mexico Solar Energy Code (filed 09-27-2011) was replaced by 14.9.6 NMAC, Housing and Construction, Mechanical Codes, 2012 New Mexico Solar Energy Code, effective 5-1-15.