



## City of Brooklyn Center

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# Minnesota Commercial Energy Code Summary

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The following information is a summary of the Minnesota Commercial Energy Code Chapter 1323, which incorporates ASHRAE 90.1-2004.

1. The Minnesota Commercial Energy Code can be found on the Department of Labor and Industry's website at [http://www.dli.mn.gov/CCLD/PDF/sbc\\_1323.pdf](http://www.dli.mn.gov/CCLD/PDF/sbc_1323.pdf).
2. With the exception of interior lighting, COMcheck is not available for the *2009 Minnesota Energy Code*, but commercial building envelope and mechanical can be readily determined by available tools. The envelope requirements of the new commercial energy code can be determined from the two tables (one for northern and the other for southern Minnesota) in *Part 1323.0550*.
  - The interior lighting requirements of the code are identical to *ASHRAE 90.1-2004*. To demonstrate interior lighting compliance, visit the Department of Energy website to start the most current version of *COMcheck*. In the drop down menu select *Code: 90.1 (2004) Standard*. The website can be found at <http://www.energycodes.gov/>.
  - COMcheck may be used for exterior lighting if you can show that it complies with the following two State of Minnesota laws/amendments.

### 1323.0944 SECTION 9.4.4 EXTERIOR BUILDING GROUNDS LIGHTING

ASHRAE Standard 90.1, Section 9.4.4, is amended to read:

**9.4.4 Exterior building grounds lighting.** All exterior building grounds luminaires that operate at greater than 100 watts, except parking lot lighting, shall contain lamps having a minimum efficiency of 60 lm/W unless the luminaire is controlled by a motion sensor or qualifies for one of the exceptions under *Section 9.1.1 or 9.4.5*. Parking lot lighting shall be in accordance with *Minnesota Rules, Chapter 8885*.

### **8885.0300 REQUIREMENTS AND PROHIBITIONS**

Subpart 1. **Requirements.** All new installations and replacements of worn out lighting equipment must be installed or replaced with lighting equipment containing lamps with initial efficiencies of at least 70 lumens per watt.

Subpart 2. **Prohibition.** The installation of lighting equipment with lamps having initial efficiencies less than 70 lumens per watt is prohibited.

3. A second compliance option can be found on the ASHRAE website. They have prepared compliance forms that may be filled out and submitted. View ASHRAE website to locate forms at <http://www.ashrae.org/standards-research--technology/standards-forms--procedures>. Scroll down to the section titled *Interactive 90.1-2004 Compliance Forms*. Forms are available for the building envelope, HVAC systems, and lighting. Additional forms are available for the Energy Cost Budget method and Building Performance Rating reports.

**NOTE:** The compliance forms and instructions have not been changed to include Minnesota commercial energy code amendments.

4. For projects being designed under the Cost Budget Method, please visit the U. S. Department of Energy Software Tools Directory. For a list of software and their capabilities visit [http://apps1.eere.energy.gov/buildings/tools\\_directory/](http://apps1.eere.energy.gov/buildings/tools_directory/)

5. Please contact the City and discuss your software choice with a plan examiner, prior to implementation.
  - All documents (plans or specifications) must be submitted to include directives of MN 1323.0672/Ashrae 6.7.2 through 6.7.2.4. and directives of MN 1223.0871/Ashrae 8.7.1 through 8.7.2.