



Commercial Plan Review – Energy Code Compliance Alternate Methods

Complete items below along with the first page information from the Commercial Plan Review - Energy Compliance Worksheet.

- STEP 1** Select ONLY ONE compliance method for the entire project using this form. 1b or 3
- STEP 2** Prepare forms, reports or other documentation as indicated for the method and path chosen
- STEP 4** Prepare ENERGY CODE COMPLIANCE DRAWING SHEET(S) see Commercial Plan Review - Energy Compliance Worksheet for requirements
- STEP 5** Submit items from Steps 1-3 and other construction documents with permit application package

1b. ASHRAE Energy Cost Budget Compliance for NEW BUILDINGS and ADDITIONS

Comply with the provisions of ASHRAE 90.1 2016 Section 11 Energy Cost Budget. Software used for ECB must be approved by the building official prior to submittal.

Submit **Standard 90.1-2016: Energy Cost Budget (ECB) Compliance Forms**. Additionally, submit:

- A narrative summary of the project discussing the energy designer professional’s experience with similar projects, the simulation software, the basis for the budget building and the design building and its uses.
- The energy cost budget for the budget building and the design building
- A list of energy-related features on which compliance with ECB is based. This will include descriptions of building envelope assemblies and building systems and equipment
- Indication of which energy-related features in the design building differ from the budget building
- The source of purchased energy rates used in the design and budget buildings
- Specific references to the construction documents comprising the design building, with project name, address, drawing and specification dates, and certifying design professional contact information for each discipline
- Proposed method for addressing revisions to design building during the construction project
- Proposal for certification that the building complies with the design building upon completion of construction.

3. Total Performance for NEW BUILDINGS,

Comply with the following IECC MN RULES CHAPTER 1323 sections:

Section C407	Section C405.3
Section C402.4	Section C405.4
Section C403.2	Section C405.6
Section C404	Section C405.7
Section C405.2	

And building energy cost shall be equal to or less than 85 percent of the standard reference design building.

Software used for IECC Total Performance must be approved by the building official prior to submittal.

Additionally, submit:

- A narrative summary of the project discussing the energy designer professional’s experience with similar projects, the simulation software, the basis for the standard reference building and the design building and its uses.
- The compliance report documenting that the proposed design has annual energy costs not more than 85 percent of the standard reference design.
- The inspection checklist and all other documentation and information as indicated in IECC Section C407.4.
- The source of purchased energy rates used in the proposed and standard reference design buildings
- Specific references to the construction documents comprising the standard reference design building, with project name, address, drawing and specification dates, and certifying design professional contact information for each discipline
- Proposed method for addressing revisions to proposed building during the construction project
- Proposal for certification that the building complies with the proposed building upon completion of construction.