

Compliance Forms— Energy Cost Budget Method

The following pages provide a sample compliance form—the Energy Cost Budget (ECB) Compliance Report form—that conforms to the requirements of ASHRAE/IES Standard 90.1-2016. An electronic version may be downloaded from ASHRAE’s website.

This form is intended for use with the Energy Cost Budget (ECB) Method (Section 11) when a compliance shell is not used. If a compliance shell is used, it should automatically generate a version of the compliance report. If this form is used instead, the user should fill in the form using information taken from the output reports of the simulation program.

In addition to this form, the user should submit completed forms from the other chapters of the User’s Manual. Those forms document the proposed design and its features, and they also make it clear where the proposed design under the ECB Method differs from the prescriptive requirements. Finally, as noted at the bottom of this form, the user should provide a list that describes all instances where input assumptions differ between the budget building and proposed design runs.

The ECB Compliance Report has several sections designed to make clear to the enforcement personnel what the building characteristics are and how the ECB Method has been applied to it.

Project Name and Information

This section begins with a basic statement that the project complies with the Standard and notes the date of the plans upon which the compliance runs are based. This section also records basic information about the project, the people involved, the heating fuel, and the weather data used for the ECB analysis. There is also space to summarize the areas and uses within the building.

Advisory Messages

This section reports information from the simulation runs that is helpful in identifying modeling problems or special situations.

Compliance Result

This final section is prepared by the person responsible for the compliance submittal to the authority having jurisdiction.

Energy and Energy Cost Summary

These sections summarize the energy use breakouts by end use and by fuel type. They also show the percent difference between the proposed and the budget buildings. When the percentage value is less than 100%, then the proposed design is better than the budget. For compliance, the cost percent difference for “Total including solar” must be less than or equal to 1.