Compliance Forms— Performance Rating Method

The following pages provide a sample performance rating report that conforms to the requirements of the rating method. An electronic version is available for download from ASHRAE's website.

This form is intended for use with the Performance Rating Method of ASHRAE/IES Standard 90.1 (Appendix G) when a rating shell is not used. If a rating shell is used, it should automatically generate a version of the rating 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 rating 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 baseline building and proposed design runs.

The performance rating report has several sections designed to make clear to the rating personnel what the building characteristics are and how the rating method has been applied to it.

Project Name and Information

This section begins with a basic statement that the project complies with the mandatory requirements of the Standard and notes the date of the plans upon which the performance rating 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 rating 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.

Performance Rating Result

This final section is prepared by the person responsible for the building performance rating submittal to the rating authority.

Energy Use 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 baseline buildings. When the percentage value is less than 100%, then the proposed design is better than the baseline.

Performance Rating Report

Project Name:		
Project Address:		Date:
Designer of Record:	Email:	Telephone:
Contact Person:	Email:	Telephone:
City:		
Principal heating source: ☐ Fossil fuel ☐ Fossil/electric hybrid and purchased heat ☐ Electricity ☐ Other		

Space Summary

Building Use	Conditioned Area (ft² or m²)	Unconditioned Area (ft² or m²)	Total Area (ft² or m²)
Total			

Advisory Messages

	Proposed Building Design	Baseline Building	Difference Proposed – Baseline
Number of hours heating loads not met (system/plant)			
Number of hours cooling loads not met (system/plant)			
Number of warnings			
Number of errors			
Number of defaults overridden			

Simulation General

	Proposed Building Design	Baseline Building	Baseline same as Proposed?
Simulation program			
Weather data			
Utility rates			

Performance Rating Result

The proposed and baseline buildings comply with the mandatory requirements of ANSI/ASHRAE/IES Standard 90.1–2013 and meet the Performance Rating Method requirement.

Individual certifying authenticity of the data provided in this analysis:

Signature	Title

Performance Rating Report

Project Name:		
Contact Person:	Email:	Telephone:

Energy and Cost Summary by Fuel Type*

End Use	Energy Type	Proposed Building		Baseline Building		Proposed / Baseline Energy (%)
		Energy (10^6 Btu/yr or MJ/yr)	Peak (10^3 Btu/h or kW)	Energy (10^6 Btu/yr or MJ/yr)	Peak (10^3 Btu/h or kW)	
Lighting—conditioned						
Lighting—unconditioned						
Space heating (1)						
Space heating (2)						
Space cooling						
Pumps						
Heat rejection						
Fans—interior ventilation						
Fans—interior exhaust						
Fans—parking garage						
Service water heating						
Office equipment						
Elevators and escalators						
Refrigeration (food, etc.)						
Cooking (commercial)						
Total building consumption						

Energy Summary by End Use*

	Proposed Building		Baseline Building		Percentage Improvement
	Energy Use (10^6 Btu/yr or MJ/yr)	Energy Cost ($/yr)	Energy Use (10^6 Btu/yr or MJ/yr)	Energy Cost ($/yr)	100 x (1 – Proposed Energy Cost / Baseline Energy Cost) %
Electricity					
Natural gas					
Other fossil fuel					
District steam					
Total nonsolar					
Solar or site recovered					
Total including solar					

* These results use assumptions for showing compliance during a typical year; actual energy costs may be substantially different.