

# Schematic Energy Analysis Report (Contest 3 Details)

## Submission Format

This report must be received by Mike Wassmer at [michael\\_wassmer@nrel.gov](mailto:michael_wassmer@nrel.gov) as either a Microsoft Word or Adobe PDF electronic file by 5 p.m. mountain time on June 15, 2004. The main body of the report may not exceed 30 single-sided pages, using a single-spaced 11-pt font. The pages must be 8.5 in. X 11 in. (or closest metric equivalent) and may include any embedded building plans and graphics that are appropriately placed in the body of the report. Appendix material (e.g., data sheets, simulation results, and screen captures) may be included, if desired. The appendix should have the same format as the body of the report and may not exceed 30 pages.

## Suggested Contents

The judging criteria for the schematic energy analysis report are described in [Contest 3: Documentation](#). In general, this report is intended to summarize the preliminary energy analysis supporting the development of the team's building design. Discussion should highlight key features of the team's design that were affected by energy analysis and simulation results. A typical discussion of key features of the design would include annual energy source estimates (e.g., PV and solar thermal); annual energy load estimates, including lighting, heating, cooling, and domestic hot water heating; and other loads (e.g., electric car charging). Additional overall results worthy of discussion could include Event site climate statistics, predicted monthly energy balance (energy collected versus energy used), space temperatures, or other indicators chosen to highlight the energy performance of the design.

There are no restrictions on the simulation tools that can be used for this analysis, but all such tools should be clearly identified. The Energy Analysis Panel of Judges will be looking for effective communication and synthesis of the team's design and analysis process, focusing on the application of sound modeling and engineering principles and creative analysis.

### Summary of Revisions

November 2, 2004

- Minor editorial changes.