Tax Deduction Qualified Software
DOE-21.E-JJH version 130

On this page you'll find information about the DOE-2.1E-JJH version 130 qualified computer software (www.buildings.energy.gov/qualified_software.html), which calculates energy and power cost savings that meet federal tax incentive requirements for commercial buildings (www.buildings.energy.gov/commercial/).

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Statements in quotes are from the software developer.

Internal Revenue Code §179D (c)(1) and (d) Regulations Notice 2006-52, Section 6 requirements	
(1) The name, address, and (if applicable) web site of the software developer;	Software developed by LBNL and Hirsch & Associates. Software tested and documentation submitted by The Weidt Group 5800 Baker Road Minnetonka, MN 55345
(2) The name, email address, and telephone number of the person to contact for further information regarding the software;	Jason Steinbock jasons@twgi.com +1 (952) 938-1588
(3) The name, version, or other identifier of the software as it will appear on the list;	DOE-2.1E-JJH version 130
(4) All test results, input files, output files, weather data, modeler reports, and the executable version of the software with which the tests were conducted; and	Provided to DOE.
(5) A declaration by the developer of the software, made under penalties of perjury, that—	"DOE-2.1E-JJH version 130 developed by LBNL meets the following requirements:"
(a) The software has been tested according to ANSI/ASHRAE Standard 140-2004 Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs;	"The software has been tested according to ANSI/ASHRAE Standard 140-2004 Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs."
(b) The software can model explicitly—	"DOE-2.1E-JJH version 130 is fully compliant with ASHRAE 90.1-2001 and meets all of the below requirements."
(i) 8,760 hours per year;	"DOE-2.1E-JJH version 130 complies."
(ii) Calculation methodologies for the building components being modeled;	"DOE-2.1E-JJH version 130 complies."
(iii) Hourly variations in occupancy, lighting power, miscellaneous equipment power, thermostat setpoints, and HVAC system operation, defined separately for each day of the week and holidays;	"DOE-2.1E-JJH version 130 complies."
(iv) Thermal mass effects;	"DOE-2.1E-JJH version 130 complies."
(v) Ten or more thermal zones;	"DOE-2.1E-JJH version 130 complies."

(vi) Part-load performance curves for mechanical equipment;	"DOE-2.1E-JJH version 130 complies."
(vii) Capacity and efficiency correction curves for mechanical heating and cooling equipment; and	"DOE-2.1E-JJH version 130 complies."
(viii) Air-side and water-side economizers with integrated control; and	"The DOE-2.1E-JJH version 130 software complies with the air-side economizer requirements. The DOE-2.1E-JJH version 130 software cannot model water-side economizers with integrated control and cannot be used for projects with that technology."
(c) The software can—	
(i) Either directly determine energy and power costs or produce hourly reports of energy use by energy source suitable for determining energy and power costs separately; and	"DOE-2.1E-JJH version 130 complies."
(ii) Design load calculations to determine required HVAC equipment capacities and air and water flow rates.	"DOE-2.1E-JJH version 130 complies."

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