

The applications of DOE-2 can be classified into three categories as (Winkelmann, n.d.):

- general applications;
- standards, guidelines, and handbooks; and
- simplified models.

General applications include the design of leading-edge buildings and studies of impacts of new technologies. Applications to standards, guidelines, and handbooks are numerous. DOE-2 is employed in the new ASHRAE 90 standards, California energy standards, and ASEAN standards. Further, DOE-2 has been used in the Skylight Design Handbook, the Foundation Handbook, and the Atrium Handbook. Also, with the help of DOE-2, the ASHRAE TC4.7. method was validated and the ASHRAE CLTD/CLF tables constructed. Simplified models use DOE-2's basic algorithms. Users can write their own algorithms in a Fortran-like language and evaluate their buildings.

4.5.2 Funding

Most of the research on DOE was conducted at Lawrence Berkeley Laboratory (LBL) under the Building Performance Simulation Research Program, with some participation by Argonne and Los Alamos National Laboratories.

DOE has been the primary sponsor of DOE-2, though EPRI, ASHRAE, and the Gas Research Institute have also provided support. Specifically, recent DOE funding of this program at LBL has been:

FY 1986	\$400K
FY 1987	\$300K
FY 1988	\$300K

The private sector has also been involved in the development of DOE-2. EPRI and DOE jointly provided funds to LBL for the development of thermal