4.5.5 Future Development

DOE-2 is an evolutionary software and it is being constantly updated. There are some complicated features of buildings which DOE-2 only approximates (MacDonald, 1988). As of 1983, there were still deficiencies in documentation of DOE-2 and the program was expensive to run both in terms of time and money (Copeland, 1983). These shortcomings still exist. Continued DOE funding for the program is essential to support research at government facilities, industry, and universities; to develop energy-efficient standards and guidelines; and to provide an analytical tool for new technologies and buildings. LBL expects the DOE-2 to be replaced by advanced software by the year 1992. Until then, LBL expects to improve and maintain the program, adding new capabilities to the program only if public or private funds are forthcoming.

4.5.6 Sources of Information

Interviews

Drew Crawley, Pacific Northwest Laboratories, Richland, Washington, July 1988.

David Krinkel, product manager, Morgan Systems, Berkeley, California, July 1988.

Kwok Lam, product manager, ADM Associates, Sacramento, California, July 1988.

Mike MacDonald, Oak Ridge National Laboratory, Oak Ridge, Tennessee, April 1988.

Gene Tsai, product manager, Acrosoft International, Denver, Colorado, July 1988.

Fred Winkelmann, Lawrence Berkeley Laboratory, Berkeley, California, April 1988.

Documents

Copeland, C. C. 1983. "Retrofit Energy Studies Using the DOE-2 Computer Simulation Program," ASHRAE Transactions.