

(...) PREFACE One of the most powerful determinants of building form, as we approach the end of this century, is the cost of energy and energy conservation. Clients expect architects, engineers and all those associated with the building design professions to make economically intelligent and informed energy design decisions on their behalf. The creative challenge posed by this powerful design determinant and the legal consequence of improper energy design decisions are vital presences in today's design practice and compelling reasons for professionals to continue to enhance their design related skills. This publication is a joint product of the Design and Construction Technology Application Program (DACTAP) and the Building Economics and Regulatory Technology Division, both in the Center for Building Technology. The report is a tool to be used by the design community in making energy decisions. It will aid you in making economic evaluations and logical assessments of costs and benefits inherent in design decisions over time and thus enhance understanding between client and designer. It can serve as a text for classes and self-instruction, as a reference for the drafting table, and as a concise group of problem-solving formats to outline the economic parameters of energy design decisions. As a handbook it provides the information you need to analyze straightforward economic problems, which comprise perhaps 90 percent of those you will encounter. It will also aid your understanding and facilitate your cooperation with experts retained to conduct (...)

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