

PACKAGE ID - 000525IBMPC00 COSTSAFR3.0

KWIC TITLE - Yearly Energy Costs for Buildings

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LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

COMPLETION DATE - 03/20/1991 **PUBLICATION DATE** - 06/01/1988

DESCRIPTION - COSTSAFR3.0 generates a set of compliance forms which will be attached to housing Requests for Proposals (RFPs) issued by Departments or Agencies of the Federal Government. The compliance forms provide a uniform method for estimating the total yearly energy cost for each proposal. COSTSAFR3.0 analyzes specific housing projects at a given site, using alternative fuel types, and considering alternative housing types. The program is designed around the concept of minimizing overall costs through energy conservation design, including first cost and future utility costs, and establishes a standard design to which proposed housing designs are compared. It provides a point table for each housing type that can be used to determine whether a proposed design meets the standard and how a design can be modified to meet the standard.

PACKAGE CONTENTS - Software Abstract; Media Directory; DOE/CE-0222 Vols 1 and 2;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 4 5.25 Diskettes

METHOD OF SOLUTION - A point system is used. This point system is specifically tailored to each RFP. The point system also provides a standard method for each proposer to estimate the energy cost over the life of the building in discounted dollars. This estimate can then be used by evaluators to estimate the total energy performance of each proposal.

COMPUTER - IBM PC

OPERATING SYSTEMS - MS DOS 2.0 or later

PROGRAMMING LANGUAGES - C

SOURCE CODE AVAILABLE (Y/N) - Y

OTHER PROG/OPER SYS INFO - Key Software Products Optimizer (Version 2.5h) is needed to link the code due to the size of the code.

HARDWARE REQS - At least 250k memory, optimum is 640k, a printer, and an 8087, 80287, or 80387 math coprocessor chip.

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HARDWARE REQS - (CONT)

REFERENCES - COSTSAFR3.0, User's Manual (Conservation Optimization Standard for Savings in Federal Residences, DOE/CE-0222, Vol. 1 of 2, June 1988; COSTSAFR3.0, Supplementary Technical Support Document, DOE/CE-0222, Vol. 2 of 2, June 1988.

ABSTRACT STATUS - Submitted January 1989.

SUBJECT CLASS CODE - T

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
C CODES
ENERGY CONSUMPTION
COST
RESIDENTIAL BUILDINGS
DESIGN
ENERGY EXPENSES

EDB SUBJECT CATEGORIES -

990200 320100

SPONSOR - DOE/CE

PACKAGE TYPE - SCREENED