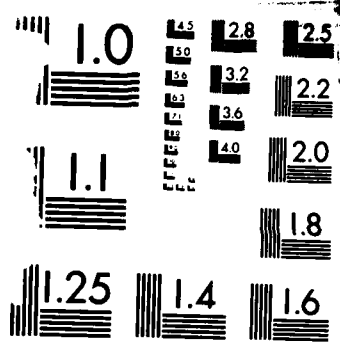


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INFORMATION PAPER

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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This Information Paper describes the ECONPACK (Economic Analysis Package) System.		

C

INFORMATION PAPER
December 1985

ECONPACK
Economic Analysis Package

PROPONENT OFFICE: HQ, USACE
ATTN: DAEN-ZCP-M/Mr. John J. Sheehey, III
Pulaski Building
20 Massachusetts Ave., NW
Washington, DC 20314-1000
AV 285-0578, FTS 272-0578, Com. (202) 272-0578

ASSIGNED RESPONSIBLE AGENCY: US Army Engineer Division, Huntsville
ATTN: HNDED-ES
PO Box 1600
Huntsville, AL 35807
AV 742-5266, FTS 873-5266, Com. (205) 895-5266

A. PURPOSE: The Economic Analysis Package (ECONPACK) Program is an interactive computer system which assists the Department of Defense in the preparation of Life Cycle Costs Analysis Reports, in support of funding requests for Army Facility Housing (AFH), Military Construction, Army (MCA), and other construction programs as well as many other types of programs, in accordance with AR 11-28, "Economic Analysis and Program Evaluation for Resource Management."

B. HISTORY AND CURRENT STATUS:

The ECONPACK System was developed by the Pacific Ocean Division (POD) in Hawaii and the Construction Engineering Research Laboratory (CERL) in Champaign, Illinois. Since initial fielding in 1984, the system has undergone extensive modification and enhancement.

Huntsville Division, as Assigned Responsible Agency (ARA) for the ECONPACK and the DD Form 1391 Processor Systems, is tasked to provide fielding, operation, maintenance, and training to system users worldwide. ECONPACK resides on the Military Construction Programming, Administration, and Execution (PAX) Computer System.

The ECONPACK System prepares standardized life cycle cost analysis output for military construction projects and automatically transfers the output to the appropriate 1391 Form in the DD Form 1391 Processor. Users of the by the system include Army installations, major subordinate commands (MASCs), major commands (MACOMs), CE districts and divisions, HQUSACE, and HQDA personnel involved in the military construction process.

Toll-free or local dial-up capability is provided for the following locations: Continental U.S., Alaska, Hawaii, Korea, Japan, Puerto Rico, Europe, and the Canal Zone. There are approximately 350 activities worldwide which currently access the system.

C. SYNOPSIS OF CAPABILITIES:

Features provided by the system are the following:

1. Allows the user to identify all cost items for all feasible alternatives so the total life cycle costs can be compared. Cost items include new construction costs, renovation costs, expansion costs, maintenance and repair costs, operational costs, relocation costs, and rental costs.

2. Performs economic analysis for Military Construction, Army (MCA) as well as Army Family Housing (AFH), and other major construction funding programs.

3. Provides a primary analysis when analysis is comparing new options with an existing option and will provide a savings to investment ratio.

4. Provides a secondary analysis when analysis is comparing all new options.

5. Allows the user to perform a sensitivity analysis on the quality of the user's data.

6. Provides the output data in formats A, A-1, and B, as required by AR 11-28.

7. Displays the uniform annual costs, initial cost, and net discounted costs.

8. Displays the net discounted percent value graphically.

9. Allows the 'Output to the 1391' to be automatically inserted into an existing DD Form 1391 at the Special Requirements Paragraph number 1 block.

10. Allows for complete independence from the DD Form 1391 Processor. The input and the output report files are maintained on the user's own permanent disk. These files may be kept or erased at any time by the user. It is the user's responsibility to maintain adequate disk space to allow the program to run.

D. REQUIRED USER INPUTS: The user is prompted for all required information. The following information must be prepared by the user before attempting to do an analysis:

Report title

Organization title

Project title

Objective of analysis

Period of analysis

Start year

Base year

Type project (housing or non-housing)

Type analysis (secondary or primary)

Inflation schedule (housing analysis)

Residual schedule (housing analysis)

For each alternative -

List of expense items and yearly values

Salvage value

Source of data

Quantifiable benefits

Non-quantifiable benefits

Titles of sensitivity analyses

Values to change for sensitivity analyses

E. TRAINING:

Training for the ECONPACK is offered regularly by Huntsville Division in three different PROSPECT Program training courses. These training courses consist of lectures and actual hands-on computer training for preparing life cycle cost analysis for MCA and AFH Projects. The point of contact for the ECONPACK System training course is:

Commander
U.S. Army Engineer Division, Huntsville
ATTN: HNDDT-TO (Mr. John Andreoli)
PO Box 1600
Huntsville, AL 35807-4301

Phone: Commercial 202-895-5032
FTS 873-5032
AUTOVON 742-5032

F. COMPUTER TERMINAL REQUIREMENTS:

The ECONPACK System resides on the PAX System, which is located on an IBM 370/3033 computer. The user is responsible for terminal procurement, either through lease or purchase. Procurement is usually handled through the user's local ADP Center.

G. ACCESSING THE SYSTEM:

1. General. To access the system, a user needs: (a) a standard voice grade telephone line; (b) a standard configuration ASCII terminal; and (c) a System User ID/Password.

2. Acquiring a System User ID/Password. A potential user may request a System User ID/Password by notifying HQUSACE (DAEN-ZCP-M).

3. Obligation of Funds. Before a System User ID/Password is approved by the system proponent, an obligation document (usually an Intra-Army Order (IAO)) should be submitted to HQUSACE (DAEN-ZCP-M) to cover the estimated system expenses. Address for HQUSACE (DAEN-ZCP-M) to forward IAO is:

HQ, USACE
ATTN: DAEN-ZCP-M
Pulaski Building
20 Massachusetts Ave., NW
Washington, DC 20314
Phone: Commercial 202-272-1036
FTS 272-1036
AUTOVON 285-1036

4. When requesting a System User ID/Password, please specify the PAX application DD Form 1391 Processor for ECONPACK/DD Form 1391 Processor users or ECONPACK for non DD Form 1391 Processor users. Other PAX options available include CAPCES, Directives, PAXMAIL, FPS, HQIFS, and SAM.

H. BILLING: At the end of each month, the user's local Finance and Accounting Office will receive a bill (SF 1080) for the charges made against the assigned System ID for that particular month. Users will be billed by:

Humphries Engineering Center Support Activity
Finance and Accounting Support Office
ATTN: Ms. Elinor May
Casey Building, No. 2594
Fort Belvoir, VA 22060-0558
Phone: Commercial 202-325-6393
FTS 325-6393
AUTOVON 221-6393

I. COSTS:

1. Users will be billed for actual session charges (processing and storage) to their System User ID. Processing is measured in Tymshare Resource Units (TRUs). Storage is in cylinders (212,800 characters/cylinder). In addition, users will be billed a surcharge consisting of PAX System permanent storage costs, customer service, application program and data base maintenance, documentation maintenance, user program assistance, operational improvements to improve service and reduce cost, and some training support. Under the PAX contract, there is no charge for connect time (connect time is log-off less log-on time).

2. The session costs, as seen by an application user, are not expressed in terms of dollars. As a minimum, when the user signs off, the following type message will be displayed: Connect= 01:14:36 TRU= 8.14 TIO= 2,507, Logoff at 13:20:11 CST Friday 12/13/85 where HH:MM:SS is hours, minutes, and seconds, and MM/DD/YY is month, day, and year. Also an estimated percent of budget utilized will appear at the time of sign on.

J. DOCUMENTATION: Trainees will be furnished needed references during training. However, if system documentation is required in advance, copies may be obtained by contacting Huntsville Division. An automated copy of the ECONPACK User's Manual is also available at the ECONPACK Help Facility Menu.

K. OPERATIONAL ASSISTANCE: Central user assistance is available to provide guidance and direction to field users. To ensure that assistance is always available to truly needy users, it is requested that local options (documentation, co-workers, and ADP center employees) first be exhausted. When these options prove inadequate, the user is encouraged to contact Huntsville Division. Contact may be made use of the electronic mailbox (PAXMAIL), telephone or mail. When contacting Huntsville Division at the phone number below, simply request: "computer assistance for the ECONPACK System." Your call will be transferred to a knowledgeable individual who will properly log-in your request and insure that your inquiry is responded to satisfactorily. All correspondence should be forwarded to:

Commander
US Army Engineer Division, Huntsville
ATTN: HNDED-ES, ECONPACK
PO Box 1600
Huntsville, AL 35807
Phone: Commercial 205-895-5266
FTS 873-5266
AUTOVON 742-5266
PAXMAIL User ID: BIRD

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