

PACKAGE ID - 000672IBMPC03 RPG1.06

KWIC TITLE - Resource Planning Guide

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

COMPLETION DATE - 06/30/1994 **PUBLICATION DATE** - 05/01/1993

DESCRIPTION - RPG1.06 is an (IRP) tool developed so that small public utilities would have a tool to complete an IRP that was in compliance with the Energy Policy Act of 1992. RPG1.06 is divided into three levels: Fast Track, Intermediate, and Detailed. Each level is designed to be completed independently. The Fast Track level is designed for users who want to complete a quick, simple planning study to identify applicable resource options. The Intermediate level is designed for users who want to add their own data and apply weighting factors to the results after completing a quick, simple planning study. The Detailed level is designed for users who want to identify applicable resource options and spend a fair amount of time collecting the data, computing the calculations, and compiling the results. The Detailed level contains a production costing module and optimization algorithms. The software contains the worksheets that appear in the workbook version. Similar to the workbooks, the software worksheets are designed to be completed in numerical order. The software automatically saves the data entered into a worksheet, and carries the data from worksheet to worksheet, completing all calculations. RPG1.06 also contains three additional volumes. Getting Started is an introduction to RPG1.06. Getting Started helps the user understand the differences between the three workbooks and choose the workbook that best fits the users needs. Reference Data contains supply, demand, end-use, weather, and survey data that can be used in lieu of a utility's own data. Reference Data is particularly helpful for a utility that does not have the time, staff, or money to gather all its own data. The Sample Load Forecasting Methodologies details the steps necessary to complete simple trends, end-use, and economic load forecasts.

PACKAGE CONTENTS - Media Directory; Software Abstract; Sample Load Forecasting Methodologies; Resource Planning Guide Volumes I-V Reference Documents; Media Includes Executables;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 5 3.5 Diskettes

METHOD OF SOLUTION - The solution involves several algorithms as detailed in the workbook.

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COMPUTER - IBM PC

OPERATING SYSTEMS - Windows 3.1 or higher

PROGRAMMING LANGUAGES - Asymetrix's Toolbook; C

SOFTWARE LIMITATIONS - Slow for large systems.

SOURCE CODE AVAILABLE (Y/N) - N

UNIQUE FEATURES - Extremely user friendly interactive, incremental modeling.

OTHER PROG/OPER SYS INFO - Source code is not included with the package.

HARDWARE REQS - An IBM compatible personal computer with a microprocessor of 80286 or higher capability; also, two (2) megabytes (MB) of random access memory (RAM) plus 2 MB of hard disk space to run the Fast Track or Intermediate software levels of 4 MB RAM with 9 MB hard disk space for the detailed level. All three software programs require Microsoft Windows (version 3.1), a mouse or other Windows-compatible pointing device, and a graphics adapter card for Windows to operate.

TIME REQUIREMENTS - Fast Track: 40 hours, Intermediate: 80-120 hours; Detailed: 1-2 months. Time estimates are approximate and would be based on data availability and type of system.

REFERENCES - Volumes I-V Reference Documents, December 1993; Sample Load Forecasting Methodologies, December 1993.

ABSTRACT STATUS - Submitted April 1994. Released screened April 28, 1994. Package installs and runs without error. RPG1.01 submitted May 16, 1994, due to errors found in the original code. Released screened May 17, 1994. Package installs and runs without errors. RPG1.03 submitted June 30, 1994 due to errors having been found in RPG1.01. RPG1.03 released AS-IS July 7, 1994. RPG 1.06 Submitted 12/95. Released screened 01/24/96.

SUBJECT CLASS CODE - D

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
R CODES
PLANNING
SUPPLY AND DEMAND
RESOURCE MANAGEMENT
ELECTRIC UTILITIES
FINANCING

EDB SUBJECT CATEGORIES -
990200 296000

E S T S C
ENERGY SCIENCE & TECHNOLOGY SOFTWARE CENTER
SOFTWARE ABSTRACT

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SPONSOR - DOE/CE

PACKAGE TYPE - SCREENED