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Revised by Tweedle

Revision One
February 1984

Long Range System Expansion
Alternatives Study: 1983-2002

I. EXECUTIVE SUMMARY

Introduction

On November 3, 1981, KCPL's Board of Directors approved the KCPLAN (hereafter referred to as KCPLAN 81), the Company's Long-Range System Expansion Alternatives Study. One condition of the Board's approval was, that the plan be reviewed and updated at least every two years so it would continually reflect the latest information and changing conditions.

In May 1983, the System Expansion Alternatives Committee (SEAC) initiated the first of these revisions. Resuming the precedent set in KCPLAN 81, numerous departments contributed to the update, with their efforts coordinated by the Electric Supply Coordinating Committee (ESCC). The ESCC, comprised of middle-level managers, is a subcommittee of SEAC. The 17-member Citizens Advisory Planning Group (CAPG), representing a broad range of community interest and leadership, continued to provide direct input into the planning process and again provided the Chief Executive Officer with an independent assessment of the plan.

Purpose

The purpose of this study is to revise KCPLAN 81, taking into account new information and changing conditions of the past two years. This review consists of engineering, economic, and financial evaluations of alternative expansion plans. It encompasses the years 1983-2002, but emphasizes specific actions required in the 1980s.

KCPLAN 83 retains the fundamental goals of KCPLAN 81:

- * To manage and restrain peak load growth and thus postpone the need to construct major new generating capacity
- * To devise programs to encourage off-peak electrical usage and thus use existing capacity more efficiently

Clearly, this study is not meant to rebuild KCPLAN 81; rather, it is intended to test the plan and modify it where those tests warrant.