

SAND78-0962

ECONOMIC ANALYSIS OF DARRIEUS VERTICAL AXIS WIND
TURBINE SYSTEMS FOR THE GENERATION OF
UTILITY GRID ELECTRICAL POWER

VOLUME IV - SUMMARY AND ANALYSIS OF THE
A. T. KEARNEY AND ALCOA LABORATORIES
POINT DESIGN ECONOMIC STUDIES

W. N. Sullivan
R. O. Nellums
Advanced Energy Projects
Division 4715

Abstract

The A. T. Kearney and Alcoa economic studies are two independent attempts to assess the installed costs of a series of six Darrieus vertical axis wind turbine designs. The designs cover a range of sizes with peak outputs from 10 to 1600 kW. All are designed to produce utility grid electrical power.

Volume IV of this report summarizes, compares, and analyzes the results of these studies. The Kearney and Alcoa final reports are included in the Appendices.