

SANDIA REPORT

SAND89-1396 UC-905

Unlimited Release

Printed September 1989

**Reference Manual for the
LIFE2 Computer Code**

by

Larry L. Schluter and Herbert J. Sutherland

Wind Energy Research Division
Sandia National Laboratories
Albuquerque, New Mexico 87185

ABSTRACT

LIFE2 is a PC-compatible computer code that analyzes the service lifetime of a WECS component. The LIFE2 code is written in Fortran and has the option of using either a fatigue analysis or a linear fracture mechanics analysis. This document contains information on what the code expects as input and what can be expected as output from the code. Also included are two example problems.

Prepared by
Sandia National Laboratories
Albuquerque, New Mexico 87185 and Livermore, California 94550
for the United States Department of Energy
Under Contract DE-AC04-76DP00789