

ENERGY DICTIONARY

V. Daniel Hunt

Manager, Energy Systems Division

McLaughlin Research Corporation



VAN NOSTRAND REINHOLD COMPANY

NEW YORK

CINCINNATI

ATLANTA

DALLAS

SAN FRANCISCO

LONDON

TORONTO

MELBOURNE

Contents

PREFACE	iii
ACKNOWLEDGMENTS	v
ENERGY OVERVIEW	1
Conservation	1
Transportation Sector	2
Residential/Commercial Sector	3
Industrial Sector	4
Expansion of Existing Fuel Sources	4
Produce Additional Petroleum and Natural Gas	5
Direct Use of Coal	5
Light Wave Reactors	7
Technologies That Use Fuels	9
Shale Oil	10
Geothermal	10
Solar Heating and Cooling	12
Energy from Wastes and Biomass	13
Solar Electric Systems	13
ENERGY DEFINITIONS	17
CONVERSION FACTORS	500
GLOSSARY	505
BIBLIOGRAPHY	509