

ENERGY-EFFICIENCY LABELS AND STANDARDS:

A GUIDEBOOK FOR APPLIANCES, EQUIPMENT, AND LIGHTING

2ND EDITION

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PREFACE

Energy-performance improvements in consumer products are an essential element in any government's portfolio of energy-efficiency and climate change mitigation programs. Governments need to develop balanced programs, both voluntary and regulatory, that remove cost-ineffective, energy-wasting products from the marketplace and stimulate the development of cost-effective, energy-efficient technology. Energy-efficiency labels and standards for appliances, equipment, and lighting products deserve to be among the first policy tools considered by a country's energy policy makers. The U.S. Agency for International Development (USAID) and several other organizations identified on the cover of this guidebook recognize the need to support policy makers in their efforts to implement energy-efficiency standards and labeling programs and have developed this guidebook, together with the Collaborative Labeling and Appliance Standards Program (CLASP), as a primary reference.

This second edition of the guidebook was prepared over the course of the past year, four years after the preparation of the first edition, with a significant contribution from the authors and reviewers mentioned previously. Their diligent participation helps maintain this book as the international guidance tool it has become. The lead authors would like to thank the members of the Communications Office of the Environmental Energy Technologies Division, Lawrence Berkeley National Laboratory for their support in the development, production, and distribution of the guidebook.

This guidebook is designed as a manual for government officials and others around the world responsible for developing, implementing, enforcing, monitoring, and maintaining labeling and standards-setting programs. It discusses the pros and cons of adopting energy-efficiency labels and standards and describes the data, facilities, and institutional and human resources needed for these programs. It provides guidance on the design, development, implementation, maintenance, and evaluation of the programs and on the design of the labels and standards themselves. In addition, it directs the reader to references and other resources likely to be useful in conducting the activities described and includes a chapter on energy policies and programs that complement appliance efficiency labels and standards.

This guidebook attempts to reflect the essential framework of labeling and standards programs. It is the intent of the authors and sponsor to distribute copies of this book worldwide, at no charge, for the general public benefit. The guidebook is also available on the web at www.clasponline.org and may be downloaded to be used intact or piecemeal for whatever beneficial purposes readers may conceive.

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