

Preface

About this manual

Integrated campus recycling and waste management guide

This manual provides state agencies, private and public colleges, and universities with a guide to how different facility types can divert various materials from landfill disposal. It also covers the many facility types within individual campuses, such as administrations, bookstores, student housing, family housing, dining and food vendor areas, laboratories, classrooms, physical plant yards, facilities management yards, and sports complexes. It covers setting up programs, collections, and the processing of different material types such as office pack, corrugated cardboard, white paper, and bottles and cans.

Many other institutions will have similar obstacles and challenges as they implement their waste management programs. The manual will help readers establish the foundations of an effective program; topics covered include:

- background information on waste management programs
- instructions on how to obtain important resources
- how to conduct waste assessments
- how to start a program
- developing and expanding a program
- processing and selling the recyclables as a commodity
- strategies for “buy recycled” initiatives

Background

The impetus for the development of this manual was a piece of legislation passed in California in 1999. Assembly Bill 75 required all state agencies, including the California State University and Community College systems, to meet waste diversion goals of 25 percent by 2002 and 50 percent by 2004.

According to the California Integrated Waste Management Board’s 1995 College and University Status Report, public college campuses account for 51 percent of the waste generated at state agencies. Most universities and colleges have some form of recycling program; however, they are not maximizing their waste diversion efforts. This manual, with its comprehensive scope and “how to” approach, will assist colleges and universities in increasing waste reduction and diversion.

Target audience

The target audience for this manual includes campus administrators, waste and recycling coordinators or managers, and any professional tasked with implementing a recycling and waste management plan for an educational or corporate campus. The California Collegiate Recycling Council (CCRC), the University of California, Davis, the California Integrated Waste Management Board, and several college recycling and waste management professionals combined their expertise to create this manual. It contains critical information for colleges and universities on how to start a waste diversion program, and is intended to serve readers who are “just getting started” in the field. However, it also includes technical information for more developed programs that want to maximize waste diversion efforts and maintain a sustainable recycling program.

Acknowledgements

This manual is the result of a partnership between the California Collegiate Recycling Council (CCRC) and the University of California, Davis (UC Davis). CCRC, a technical council of the California Resource Recovery Association (CRRA), is made up of recycling professionals from both private and public colleges and universities throughout California.

Many people were involved in the production of this document. In addition to the writers listed below, an editorial board reviewed the draft document for content and technical accuracy. Those editors were Barbara Kopicki, Julie Muir, Lin King, Greg Howard, and Alec Cooley. From start to finish, this project has been shepherded through its stages of development by Lin King, Alec Cooley, and Julie Muir.

Recycling professionals from the University of California, California State University, community colleges, private colleges, and private industries assisted in the writing of this manual. They are:

Alec Cooley, Writer

Alec Cooley is currently on the Board of Directors of CRRA and on the executive committee of the California Collegiate Recycling Council. He has been involved with the recycling and waste reduction field since 1991, when he joined Humboldt State University's (HSU) Campus Recycling Program as a student volunteer. He became a director for both Humboldt's and Fort Lewis College's recycling programs before graduating from HSU in 1995. After working two years as the Collections Manager for the Arcata Community Recycling Center, he returned to HSU as the school's Solid Waste Reduction Manager in 1997. Alec has spoken at several California Resource Recovery Association and National Recycling Coalition Campus Series conferences.

Christine Flowers, Writer

Christine is a tenured professor of Biology, Environmental Science and Environmental Ethics in Center of Science, Industry and Natural Resources at Shasta College. Christine is also a member of the steering committee for the Western Regional Pollution Prevention Network. She previously taught at Valencia College in Orlando, Florida where she was a Program Director for the Environmental

Technology Program. She received a MEd in Secondary Science Curriculum and an MS. in Biology from University of Central Florida.

Roger Guzowski, Writer

Since February 2000, Roger has served as the Recycling Coordinator for California State University, Sacramento. Prior to joining CSUS, Roger spent seven years as the recycling coordinator for Five Colleges, Incorporated, a consortium of Amherst College, Hampshire College, Mount Holyoke College, Smith College, and UMASS Amherst. In addition, Roger spent two years as a steering committee member for the National Recycling Coalition's College and University Recycling Council (CURC), in which he twice chaired the NRC's Campus Recycling Series.

Krista Henkels, Writer

Krista has been the Recycling and Waste Management Coordinator for University of California, San Diego since 1994, and has worked in the recycling field since 1990. Krista served as a member of the Board of Directors for the National Recycling Coalition; she previously served on the Board of Directors for the California Resource Recovery Association. Krista is also one of the founding members of the California Collegiate Recycling Council. Krista received a BA in Public Administration from San Diego State University.

Greg Howard, Editor

Greg Howard is Communications Manager for TriNet, a human resources outsourcing firm based in the Bay Area. He is responsible for internal and external marketing projects, media relations, and corporate messaging. Greg has taught writing at universities such as UC Berkeley, Lawrence College, and Bentley College, and has published numerous articles and essays in magazines, journals, and newspapers. Greg received his Ph.D. in English Literature from Tufts University and his BA in English from UC Davis.

Lin King, Project Manager and Writer

For the past seven years, Lin has been the Recycling Manager for the University of California, Davis (UC Davis). Lin has also worked for the State of California, Department of Conservation and the County of Orange Integrated Waste Management Department. He has been the Chair of CCRC for three years and is currently on the Board of Directors of CRRRA. Lin received his BS from UC Davis in Environmental Science and his MS from CSU Fullerton in Environmental Policy and Planning; his Master's thesis, *California State University Recycling Programs: Their Progress, Innovations, and Barriers*, is one of the first papers documenting recycling programs at the university and college level in California.

Barbara Kopicki, Writer

Barbara is currently the Manager of the Recycling and Rubbish Exhibit, as well as Chair of the California Collegiate Recycling Council. She assisted in the development and implementation of the Associated Students Recycling Program at CSU, Chico through student government as Commissioner of the Environmental Affairs Council in 1996. After working as a part-time Coordinator for two years, she

was hired full-time in 1998. Barbara has presented information about recycling and composting issues at six college conferences and workshops, as well as spoken at three California Resource Recovery Association conferences.

Julie Muir, Writer

Julie is the Community Relations Manager with PSSI and the Stanford Recycling Center. PSSI is an independent hauler that solely services Stanford University. She is on the executive committee of the California Collegiate Recycling Council (CCRC), and has managed Stanford University's recycling program for the last ten years. Julie is responsible, among other duties, for contract management, customer service, material marketing, outreach and education, and environmental compliance.

Bill Stonecypher, Writer

Bill has been an environmental program professional for over fifteen years, and current serves as Environmental Programs Specialist for Loyola Marymount University. He has served in the US army and performed summer internships with the L.A. County Department of Public Works in the Hydrology/Water Conservation Division. He has also worked in the California Department of Agriculture as a supervisor in the pest detection unit of the Cooperative Medfly Project.