

APPENDIX P: POWERPOINT SUMMARY OF CALRECYCLE TOOL

Demonstrating the Climate, Financial, and Diversion Benefits of Zero Waste

A New Calculator for California Businesses

June 2010

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There are dozens of calculators out there – why another?

The collage features several key documents and logos:

- EPA Climate Change - Waste Waste Reduction Model (WARM):** A screenshot of the EPA website showing the WARM model interface. It includes a search bar, navigation links, and a table for "Steps 1 and 2. Baseline and Alternative Scenarios".
- Wastewise Update:** A document with the EPA logo and the text "THE MEASURE OF SUCCESS - CALCULATING WASTE REDUCTION".
- NERC Northeast Recycling Council:** A logo for the Northeast Recycling Council, featuring a recycling symbol and the text "NERC Northeast Recycling Council".
- Estimating the Environmental Benefits of Source Reduction, Reuse and Recycling:** A report by NERC and Adt Associates, Inc., dated April 2009. It includes a table titled "Table 1. Materials Management Overview" showing data for Reporting Year, Aluminum Cans, Steel Cans, Glass, HDPE, and LDPE.
- Worksheet 2. Environmental Impacts:** A spreadsheet titled "Worksheet 2. Environmental Impacts Estimates of the Environmental Impacts of Recycling in []".
- United States Environmental Protection Agency Logo:** The official logo of the EPA, featuring a stylized flower with a sun in the center, surrounded by the text "UNITED STATES ENVIRONMENTAL PROTECTION AGENCY".

California's Commercial Climate Calculator

Motivation & Goals

- AB32 requires commercial and multi-family sector recycling
- CalRecycle provides an easy-to-use calculator to show benefits of waste reduction and diversion:



Dollars saved

Tons of resources returned to the economy



Greenhouse gas emissions reduced



Developing the Calculator

Process & Considerations

- Existing calculator research
- Stakeholder engagement
 - 20 initial phone interviews
 - 12 first-round beta tests
 - 9 second-round beta tests
 - 30 additional feedback reports
- Inter-agency collaboration
 - ARB and UC Berkeley: COOLCalifornia





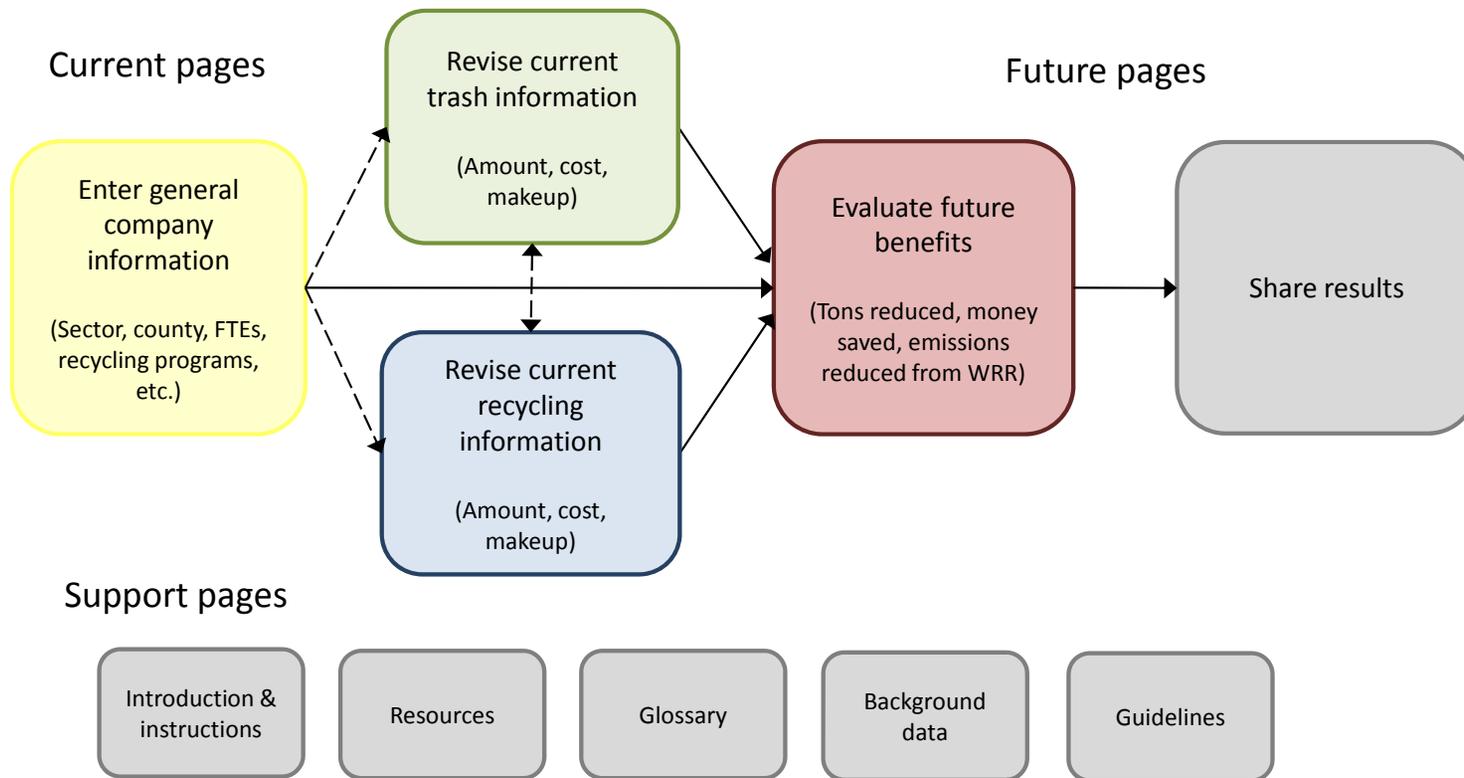
Calculator Basics

Features & Data

- Unique features
 - Flexibility
 - Users
 - Data inputs
 - Transparency
 - One-stop calculator
 - Tons, cost, GHG
 - Resources, case studies
 - CA and regionally specific
 - Default data sources
 - CA waste studies
 - Sector-specific
 - Quantity and composition
 - Statewide cost study
 - WARM+CARB research
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Calculator Overview

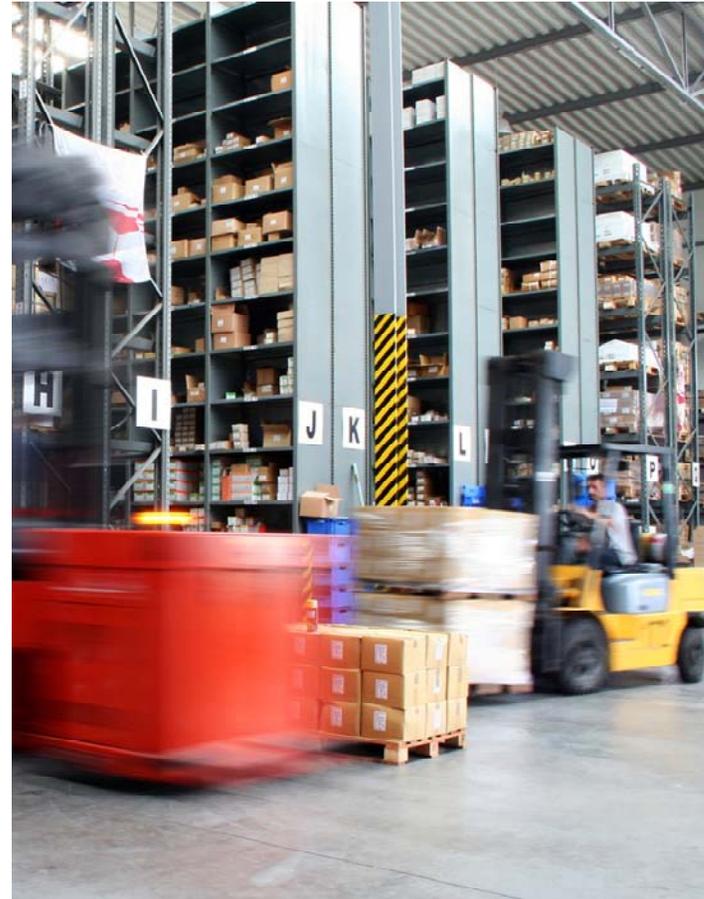
User Steps



Case Studies

Real-world Examples

- Sector: Distribution Center
- Location: Irvine (Orange County)
- Employees: 64 FTEs
- Recycling Program: Cardboard only
- Access to information: None
- Results (annual):
 - Trash: 141 tons and \$22,000
 - Recycling: 10 tons and \$429
 - Benefits:
 - \$700 avoided disposal
 - 33MT CO₂e
 - 6% recycling rate



Case Studies

Real-world Examples



- Sector: Multi-family
- Location: Walnut Creek (Contra Costa County)
- Units: 12 MF Units
- Recycling Program: None
- Access to information:
 - Has trash information only
 - 1, 2 cubic yard container, 100% full, 2 pickups/week
- Results (annual):
 - Trash: 18 tons and \$7,000

Lessons Learned

- Upfront research pays off
- Calculator meets needs of a wide range of users
- Future opportunities exist for integrating new source data
- Collaboration with other agencies is essential



Thanks!

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