

Appendix P

PowerPoint Summary of CalRecycle Commercial Climate Calculator Tool

DRAFT—For Discussion Purposes Only. Do not cite or quote.

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

Amity Lumper

Cascadia Consulting Group, Inc.



There are dozens of calculators out there – why another?

The collage features several key documents and logos:

- EPA Waste Reduction Model (WARM):** A screenshot of the EPA website showing the WARM interface. It includes a search bar, navigation links, and a table for 'Steps 1 and 2. Baseline and Alternative Scenarios'. The table has columns for 'Baseline Scenario' and 'Alternative Scenario', with sub-columns for 'Tons Recycled', 'Tons Landfilled', 'Tons Composted', and 'Tons Generated'.
- EPA Wastewise Update:** A document titled 'THE MEASURE OF SUCCESS - CALCULATING WASTE REDUCTION' with the EPA logo.
- NERC Environmental Benefits of Source Reduction, Reuse and Recycling:** A report titled 'Worksheet 2. Environmental Impacts Estimates of the Environmental Impacts of Recycling in []'. It includes a table for 'Table 1. Materials Management Overview' with columns for 'Reporting Year', 'Tons Recycled', 'Tons Source Reduced/Reused', 'Tons Landfilled', 'Tons Incinerated/Waste-to-Energy', and 'Total Tons Disposed'.
- EPA Logo:** The official logo of the United States Environmental Protection Agency, featuring a stylized flower with a sun in the center.

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





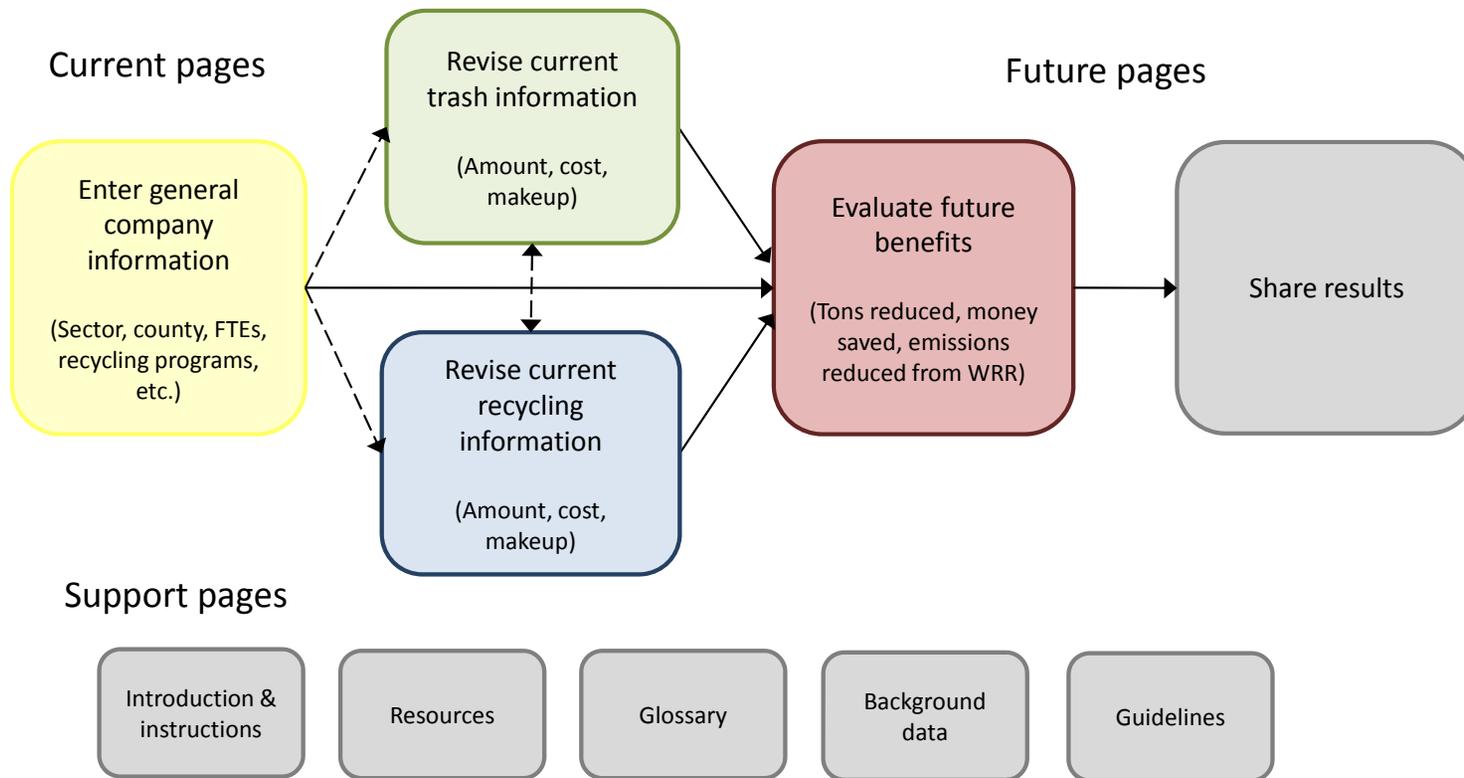
Calculator Basics

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

Calculator Overview

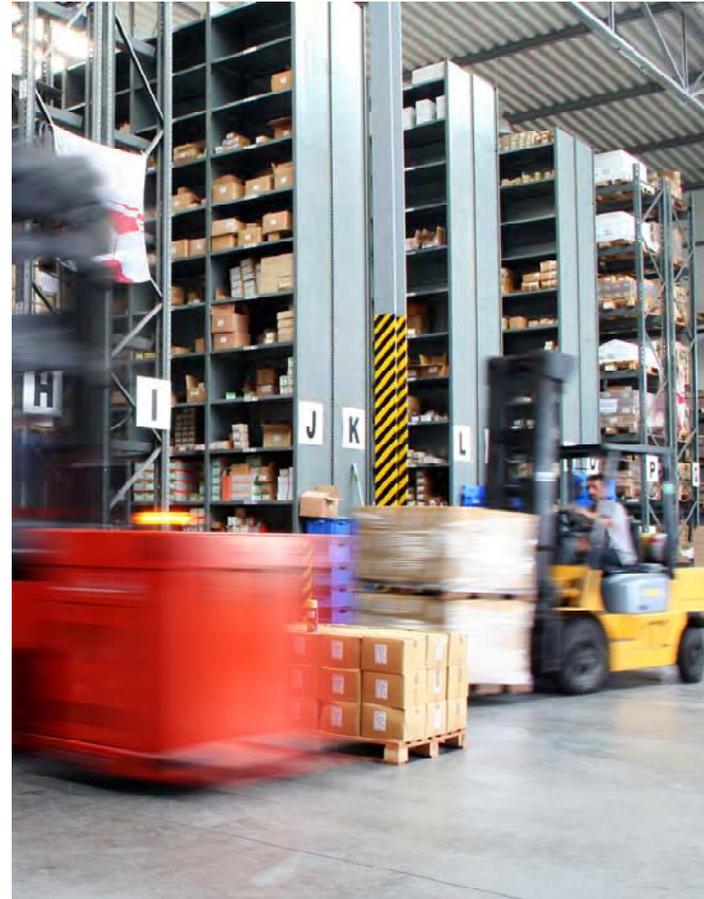
User Steps



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!

Amity Lumper

(206) 449-1111

amity@cascadiaconsulting.com

