

Mandatory Commercial Recycling Law (AB 341)





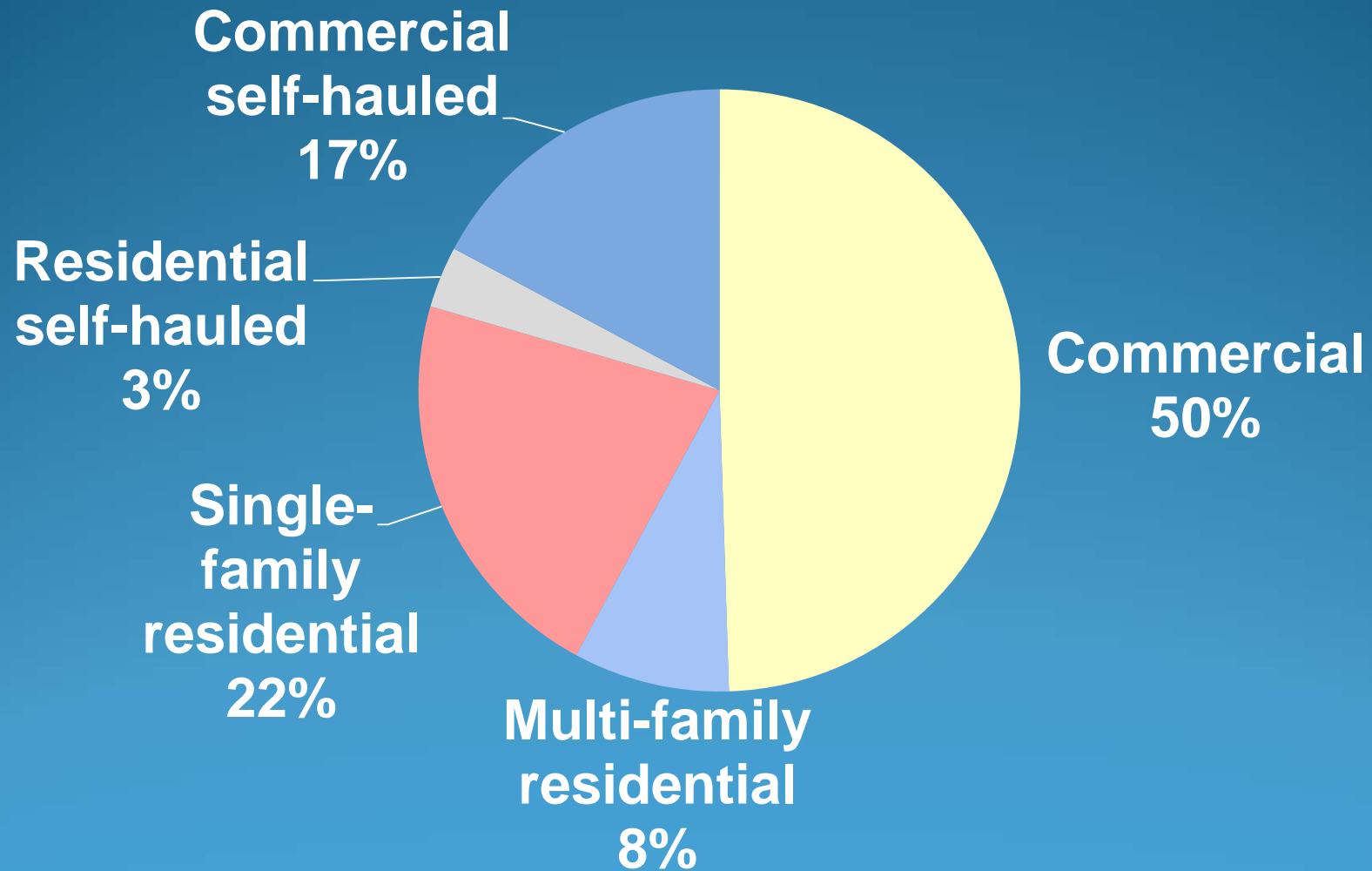
Overview

- Goals
- Benefits
- Requirements
- Local Resources
- State Resources

Goal of the New Law

- Regulation Adopted: 1/17/12
 - Effective: 7/1/12
- Reduce commercial solid waste from landfills
- Reduce GHG emissions
- Create jobs and expand recycling manufacturing in California
- Flexible for jurisdictions and businesses
- Builds on existing AB 939 processes

Statewide Disposal in 2008



Benefits To Businesses

Recycling benefits include:

- Keeping valuable materials out of landfills.
- Opportunities for businesses or multifamily complexes to save money.
- Creating jobs in California by providing materials for recycling manufacturing facilities.
- Reducing greenhouse gas emissions.
- Creating a healthy environment for the community and future generations by recovering natural resources.



Business Regulatory Requirements

- Businesses and public entities that dispose of 4 or more cy/week of solid waste, and multifamily units of 5 or more are required to recycle using any one or a combination of the following:
 - ❑ Using the franchise hauler(s),
 - ❑ Arranging for pick-up,
 - ❑ Self-hauling, and/or
 - ❑ Using mixed waste processing.



Recycling is Good Business!

Saving Money



- Examples of businesses that have saved money by recycling:
 - Auburn Printers and Integrated Marketing, Placer County, was able to recycle 1,700 tons of paper within the last year, with an estimated cost savings of \$980.00.
 - Church & Dwight Co., Inc., Madera County diverted more than 33 tons of material from the landfill at a savings of \$20,000.
 - Diamond Mountain Casino & Hotel, Lassen County, is a "4 Green Key"-rated hotel and saved more than 5 tons of recycled materials annually and saved hundreds of dollars that are donated back to green activities like Earth Day.

Jurisdiction Regulatory Requirements

- Jurisdictions must implement a commercial recycling program that consists of:
 - **Education/Outreach**—informing businesses of State requirement and how to recycle in the jurisdiction
 - **Monitoring**—identifying businesses that aren't recycling and informing them of the State requirement
- Jurisdictions must **report** annually to CalRecycle
 - Electronic Annual Report

CalRecycle Regulatory Requirements

- Review jurisdiction's commercial recycling requirements as part of AB 939 review
 - Jurisdictions on 2-year cycle, evaluation begins 2014 and continues every two years
 - Jurisdictions on 4-year cycle, evaluation begins in 2016 and continues every four years.
- CalRecycle will measure emission reductions statewide

Local Resources

- Jurisdictions' web pages
- Hauler(s) web pages



State Resources

1. Frequently Asked Questions
2. CalRecycle Commercial Climate Calculator
3. Institute for Local Government
4. CalRecycle Beverage Container City/County Block Grants
5. FacIT
6. Recycling and Composting Emission Reduction Factors
7. Cool California
8. California Green Business Program





These resources were developed under a contract with the California Department of Resources Recycling and Recovery (CalRecycle), formerly known as the California Integrated Waste Management Board.

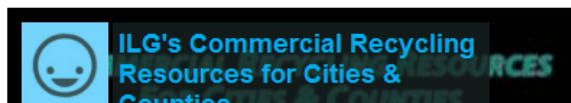
ILG Commercial Recycling Resource Center

Welcome to the Institute's Commercial Recycling Resource Center. Here you will find:

CalRecycle Adopts Commercial Recycling Regulations: CalRecycle Regulatory Information [↗](#)

- [ILG Sample Commercial Recycling Ordinance»](#)
- **UPDATED:** [ILG Sample Commercial Recycling Flyer for Businesses & Apartments»](#)
- [Examples of Local Commercial Recycling Ordinances»](#)
- [CalRecycle Resources Related to Commercial Recycling»](#)
- [Local Agency Websites»](#)
- [Outreach and Educational Resources»](#)
- [ILG Commercial Recycling Case Stories»](#)
- [A Snapshot of Local Agency Commercial Recycling Programs and Policies»](#)
- [Working with Local Businesses to Increase Recycling \(A Whitepaper\)»](#)
- [Increasing Commercial Recycling: Tips for Local Agency Leaders \(A Whitepaper\)»](#)
- [A Discussion Forum on Commercial Recycling Ordinances and Programs \(log in required\)»](#)
- [Commercial Recycling Webinar Series](#)

ILG's Commercial Recycling Resources for Cities & Counties



ILG is the research and education affiliate of the California State Association of Counties and the League of California Cities.

SITE SEARCH



BEACON AWARD: LOCAL LEADERSHIP TOWARD SOLVING CLIMATE CHANGE
 Recognizing achievements of California cities and counties. [Learn more»](#)

VIDEOS ON THIS PAGE



Hear about commercial recycling resources available for cities & counties. [»](#)

RELATED LINKS

- [Learn about California's Newly Adopted Commercial Recycling Regulations](#)
- [AB 341 \(Chesbro\) - New Law Requires Businesses to Recycle](#)


RELATED TOPICS

Waste Reduction & Recycling Resources, commercial recycling, recycling

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Commercial Climate Calculator (CalRecycle)

Commercial Climate Calculator
1. General Business Information 

Enter general business information in yellow cells. (Step 1.1, required)

Select business type, then fill in yellow cells below

Business Name: Full-Time Employee:

Business Sector:
[Don't know your business sector? Click here for glossary](#)

County:

Select your current recycling programs (select one column). (Step 1.2, required)

No Program Don't currently have recycling

One or More Program(s) (select both boxes if applicable)

Have mixed recycling (all recyclable materials go in one bin)

Have separate material program(s) (check box and then select material(s) below)

Select: Select:

Select: Select:

Select: Select:

Have you entered all of the required information? (error check for Steps 1.1 and 1.2)

Yes, you have entered all of the required information.
Please proceed to the next question below.

Do you have any information about the amount, cost, or type of your current trash or recycling? (Step 1.3, optional)

NO: [Click here to evaluate the benefits of recycling or eliminating your trash](#)

YES: [Click here to enter current trash information that is different than industry averages*](#)
[Click here to enter current recycling information that is different than industry averages.*](#)

*The estimates provided in the calculator for your trash quantity, cost, and makeup are based on the best available information for your business sector. However, these estimates reflect average trash data for businesses with varying levels of recycling and in different regions of the state. The averages may not accurately represent your business's trash.

- Select type of business from list
- Example 2.01
- Building Material & Garden Box Stores
- Commissions
- Finance, Insurance, Real Estate
- Food Stores
- Government Facilities
- Hotels - Lodges

- Select location from list
- Alameda
- Alpine
- San Diego
- Bakers
- Calaveras
- Colusa
- Contra Costa

- Cardboard
- Mixed plastics
- Mixed metals
- Glass containers
- Bottles and cans (with deposit)
- Food scraps
- Yard Waste
- Food and yard waste

4. Future Benefits of Recycling & Reduction



Check out the benefits (Step 4.1, required)

Use the table below to evaluate the benefits you can achieve by reducing your current trash that is landfilled. To use this table:

Review the "Current" section of the table, which is based on the information about your business, trash, and recycling that you have already entered.

Enter a new, higher recycling rate and/or enter the percent of your trash that you would like to reduce in the yellow action cells in the "Future Actions" section (refer to the Glossary and Guidelines pages for more information about these two types of actions).

The "Results" section and bar charts below the table summarize the trash, cost, and footprint savings for you!

Evaluate Future Actions: Example

[Click here for guidelines about actions](#)
[Recycling and waste reduction are different, click here for definitions](#)

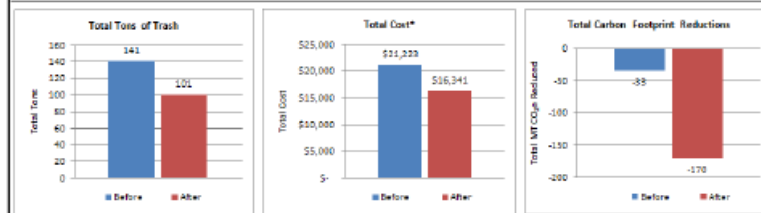
Materials	Current					Current Footprint MT CO ₂ e	Future Actions		Results		
	Annual Trash Tons	Annual Recycle %	Annual Total Material Tons	Annual Recycling Rate %	Total Cost \$		Increase Recycling Rate to %	Reduce % of Total Material	Additional Trash Reduced Tons	Additional Cost Savings \$	Additional Footprint Reductions MT CO ₂ e
Cardboard	7.0	9.8	17.2	90%	\$789	33.1	75%		3.3	\$271	31.57
Paper	13.5	0.0	13.5	0%	\$0	0.0	10%	2.3	\$187	20.03	
Mixed Metals	28.6	0.0	28.6	0%	\$0	0.0	50%	13.3	\$1,887	71.55	
Mixed Plastics	0.0	0.0	0.0	0%	\$0	0.0		0.0	\$0	0.00	
Glass	1.9	0.0	1.9	0%	\$0	0.0		0.0	\$0	0.00	
Food Scraps	2.3	0.0	2.3	0%	\$0	0.0		0.0	\$0	0.00	
Yard Waste	0.6	0.0	0.6	0%	\$0	0.0		0.0	\$0	0.00	
Wood (pallets, etc.)	45.2	0.0	45.2	0%	\$0	0.0	50%	22.6	\$2,538	45.72	
Other	49.3	0.0	49.3	0%	\$0	0.0		0.0	\$0	0.00	
Total	141.4	9.8	151.0	0%	\$789	33.1		40.3	\$4,885	150.7	

Source reduction cost savings: *Enter the amount in dollars that you will save each year by not purchasing or using material.*

If you know your local service rates and would like to enter these into the calculator for more accurate cost savings results, click here.

Source: Open

What do your savings look like?



*Note: Cost savings in the "Evaluate Future Actions" table include the savings you achieve by not having to pay the cost of disposal for materials that you move out of the trash. Costs in the "Total Cost" graph above reflect your estimated current and future disposal and recycling costs.

What do my carbon footprint savings mean?

MT CO₂e stands for metric tons of carbon dioxide equivalent. This is the standard unit used to measure a carbon footprint. Tons of carbon dioxide, methane, and other greenhouse gases are all accounted for and converted to MT CO₂e. These gases are emitted when you dispose and recycle.

It can be difficult to visualize what a MT CO₂e really means. For this reason, your **additional and total** future emission reductions, including your current estimated emission reductions and any reductions from future actions, are shown below in easier-to-understand terms.

	Additional Saving	Total	metric tons of CO ₂ e is roughly equal to:
Annual cigarette emissions from	26	32	U.S. cars.
Emissions from the electricity use of	17	31	U.S. homes over a year.
Emissions from	318	395	barrels of oil consumed.
The carbon dioxide captured by	3,504	4,353	tree seedlings grown over 10 years.

CoolCalifornia (ARB)

CoolCalifornia.org Simple steps for a sustainable future

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Home > **Small Business**

SMALL BUSINESS

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California small businesses are an important driver of California's economy. All businesses use energy, produce goods and services, and have employees who commute/travel for work. These activities produce greenhouse gas emissions. To facilitate voluntary greenhouse gas emission reductions in a cost effective way, resources on our site have been developed to help small businesses save money and limit their environmental impact.

CALCULATE YOUR FOOTPRINT

- Create a business profile to save your footprint
- Use the calculator
- Looking for a quick look? Use the widget

APPLY NOW!

SMALL BUSINESS award Application deadline is February 29, 2012.

WHAT YOU CAN DO

- Tips and actions to help you reduce your footprint
- Get an energy makeover for your business
- See what other businesses are doing

FUNDING WIZARD

Search for rebates and incentives for projects!

CARBON FOOTPRINT CALCULATOR

Enterprise Edition Beta

INTRODUCTION | TRANSPORTATION | FACILITIES | PROCUREMENT | SUMMARY | TAKE ACTION

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Green Business Program(DTSC)

staff login

California Green Business Program

GREEN BUSINESS IS SMART BUSINESS

Incorporate green practices, and discover how our recognized Green Businesses conserve resources and become more efficient.

< click on the icons to find out more >



APPLY
to be a Green Business.

Show the world your green side. Apply to be a Green Business today.

Work on a saved app, view your status, or renew your application.

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FIND
a Green Business near you.

Select Type of Business

Select Category

Select City

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About
We are a government program working with local agencies to recognize and assist businesses that operate in an environmentally friendly manner.

Contact
Need more information about the program in your area? Contact your program coordinator. [Find Your Local Coordinator Here](#)

Resources
Find a current listing of resources at the link below. [Resources](#)

HOME | WELCOME | FIND GREEN BUSINESSES | RESOURCES | CONTACT | FAQ | Green Business Program - Sponsored by the State of California © 2011

Review Key Dates



- Regulation is effective 1/1/12
- Business requirement to recycle commences 7/1/12
- Jurisdictions can phase in education/outreach/monitoring
 - *Phasing needs to be reasonable*
- Jurisdictions first report in 2012 Annual Report
 - *Jurisdictions on 2-year cycle, CalRecycle evaluation begins 2014 and continues every two years*
 - *Jurisdictions on 4-year cycle, evaluation begins in 2016 and continues every four years*
- Statewide measurement in ~2014 and 2019



For More Information:

Local Contact Information:

CalRecycle's web page at:

<http://www.calrecycle.ca.gov/Climate/Recycling/default.htm>