

Mandatory Commercial Organics Recycling Regulation For State Agencies

Local Assistance and Market
Development/CalRecycle



Overview

- Goals & Policy Drivers
- Benefits
- Requirements
- Local Resources
- State Resources
- Questions and Answers

MANDATORY RECYCLING for BUSINESSES

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

Businesses generate nearly 70% of the solid waste in California.*
The State recently passed two laws that make it mandatory for businesses to recycle.

AB 341
MANDATORY COMMERCIAL RECYCLING LAW
AB 341 requires all businesses that generate 4 cubic yards or more of trash per week to arrange for recycling services.

AB 1826
MANDATORY ORGANICS RECYCLING LAW
Starting April 2016, AB 1826 will require businesses that generate 8 cubic yards of organic waste to arrange for organic waste recycling services. **Effective January 2017**, this requirement will extend to businesses that generate 4 cubic yards of organic waste.
Organics include food, yard trimmings, nonhazardous wood, and food soiled paper.

The County of Los Angeles Department of Public Works is conducting free on-site visits to help businesses and food service establishments located within the County unincorporated areas comply with the State's mandatory recycling requirements. Provided here is some useful information about the State's business recycling mandates and how you can arrange for recycling services.

To assist businesses in recycling and complying with State laws, the County has established a commercial waste collection franchise system. Businesses in the County unincorporated areas may contact their authorized commercial waste hauler to receive **FREE** recycling services and arrange for organic waste recycling services.

For more information please visit www.LACountySWIMS.org or call 1(800) 993-5844
For a list of authorized waste haulers, please visit www.LACountySWIMS.org/haulerlist
For a general copy of your Customer Bill of Rights, please visit www.LACountySWIMS.org/BOR

County of Los Angeles Department of Public Works
Monday - Thursday 7:30am - 5:30pm
(800) 993-5844 | email: CommercialFranchise@dpw.lacounty.gov | www.LACountySWIMS.org

* California 2008 Municipal Solid Waste Characterization Report, Part 1, table 1.1



CalRecycle – Direct Policy Drivers

AB 939

- 50% diversion requirement for jurisdictions

AB 75

- State agencies integrated waste mgmt. planning and waste diversion goals

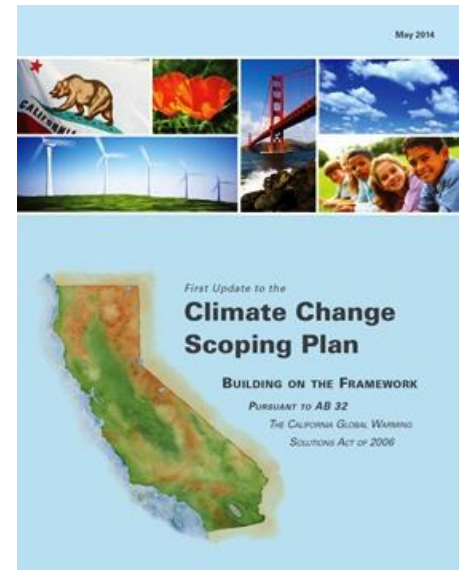
AB 341

- 75% statewide goal by 2020 (no disposal-based activities)
- Does not change AB 939 & AB 75 requirements for jurisdictions or state agencies, respectively

AB 1594

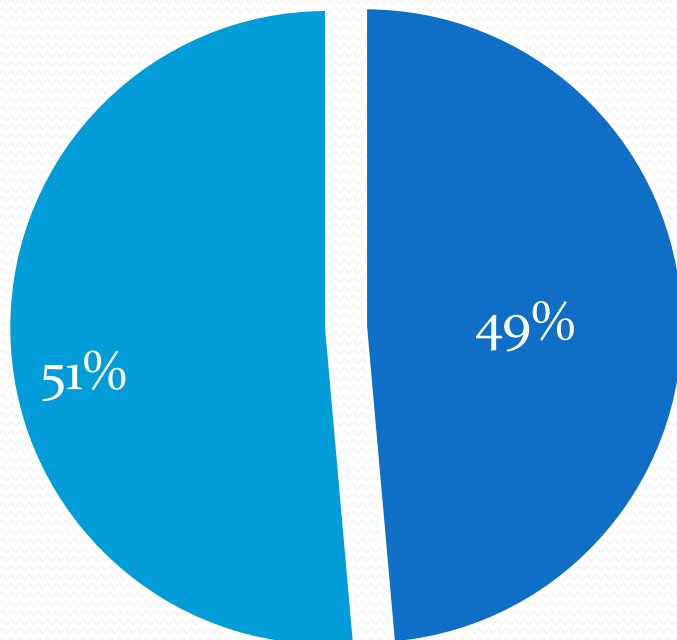
- Organic material as Alternative Daily Cover ≠ recycling

AB 32 Scoping Plan Update



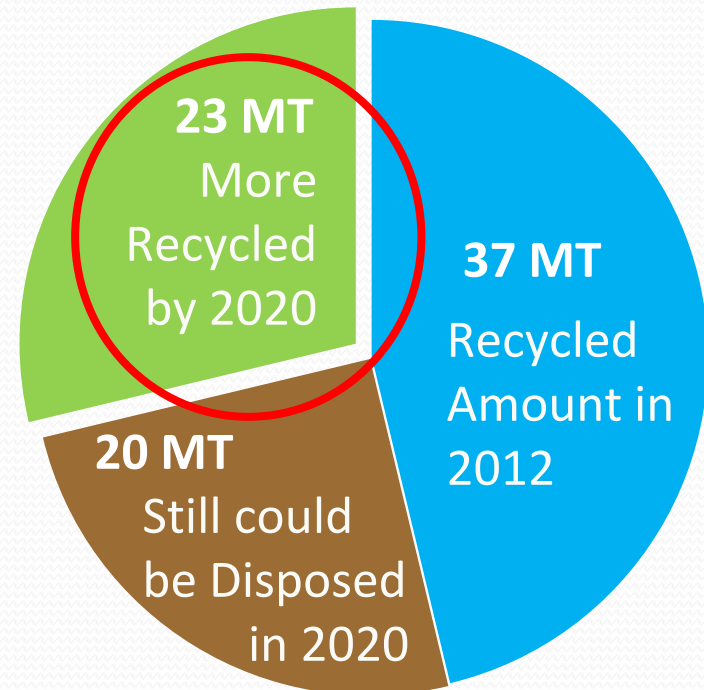
75% Initiative

Where Are We Now?



■ Currently Recycled ■ Currently Disposal-Related Activity

Projected 2020 Tonnages to Reach 75%





What Will 75% Take?

- ▶ Moving > 20 million tons/year out of landfills
- ▶ 1/3 or more organic, plus many traditional recyclables
- ▶ Either overseas or other states OR more infrastructure here in California
 - CalRecycle preference to handle waste in CA
- ▶ 100s of new or expanded facilities

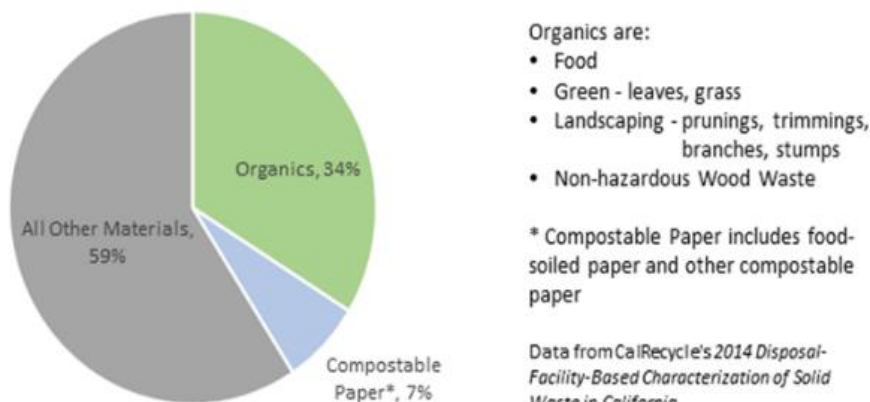
What Will 75% Take?

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- ▶ 1/3 or more organic, plus many traditional recyclables
- ▶ New or expanded facilities

Why Organics?

- ▶ >>30% of total disposal compostable/digestible
- ▶ No way to 75% without it
- ▶ Scoping Plan identifies organics as key player to help meet GHG goals
- If divert $\frac{1}{2}$ → 3-4 MMTCO₂e reduction/year

Organics in California's Overall Disposed Waste Stream, 2014





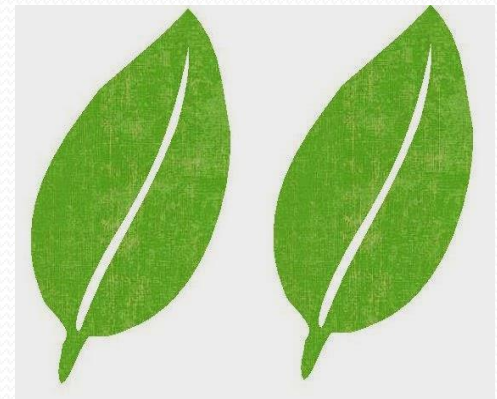
AB 1826 State Agency Requirements

- ▶ April 2016 - Businesses generating 8 CY organics/week required to have organic waste recycling
 - Jan 2017 - 4 CY/week of organics
 - Jan 2019 - 4 CY/week of solid waste
 - 2020 trigger: CalRecycle can reduce to 2 CY of waste if statewide organics disposal not cut in

- *The law defines a business as a* commercial or public entity, including but not limited to a firm, partnership, proprietorship joint stock company, corporation, or association that is organized as a for-profit or nonprofit entity, strip mall (e.g., property complex containing two or more commercial entities), industrial facility, school, school district, *California State University, community colleges, University of California, special district or a federal, state, local, regional agency or facility*, or a multifamily residential dwelling.

What Must Be Recycled?

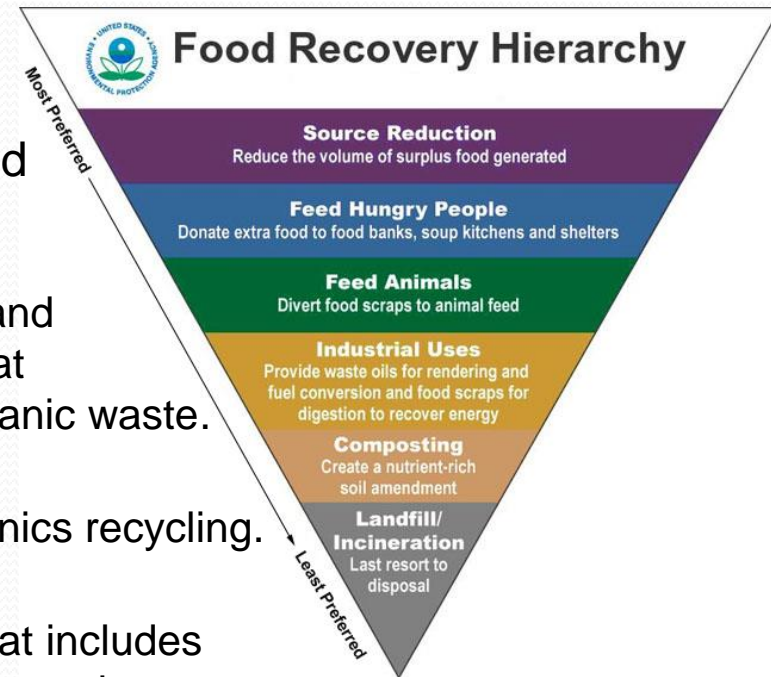
- The law requires that businesses arrange for recycling services for the following types of organic waste:
 - Food waste
 - Green waste
 - Landscape and pruning waste
 - Nonhazardous wood waste
 - Food-soiled paper



How to Comply?

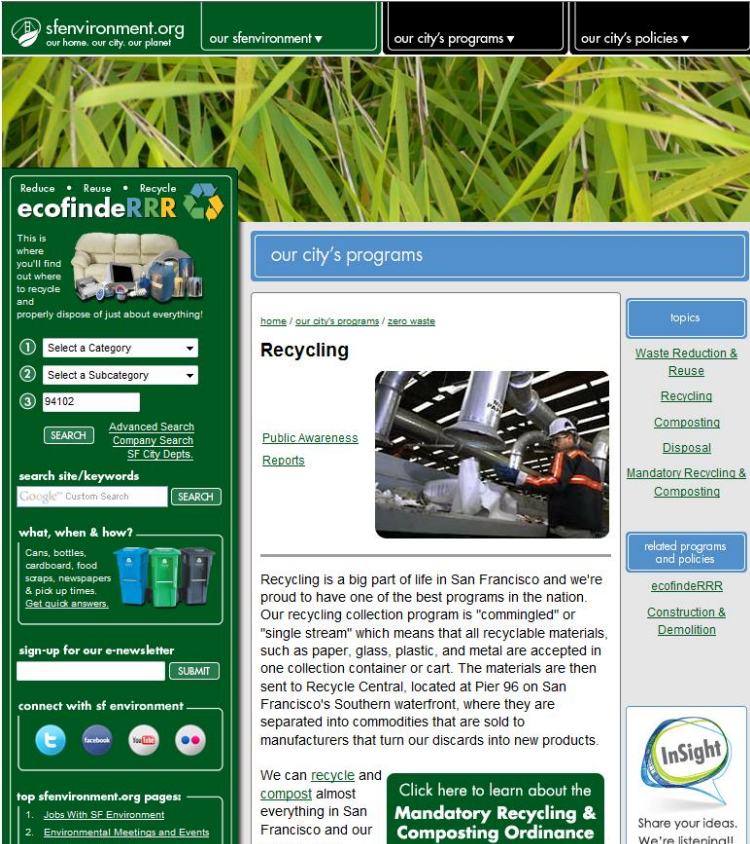
Take one or any combination of the following actions to recycle organics, provided that the action is in compliance with local ordinances and requirements:

- Source-separate organic waste from other waste and subscribe to an organic waste recycling service that specifically includes collection and recycling of organic waste.
- Recycle organic waste onsite, or self-haul for organics recycling.
- Subscribe to an organic waste recycling service that includes mixed-waste processing that specifically recycles organic waste.
- Sell or donate the generated organic waste.
 - ❖ Food bank and food rescue programs



AB 1826 City/County Requirements

- ▶ Jan 2016 - Implement program
 - Outreach, education, monitoring
 - Organics recycling program
 - May include mandatory recycling via policy or ordinance, franchise agreement or contract, or requiring material to go through MRF
- ▶ Aug 2017 - begin reporting in Annual Reports on ed., outreach, monitoring
 - Including # regulated businesses and # complying; if available, tonnage diverted; facility availability and plans to address barriers



sfenvironment.org
our home, our city, our planet

our sfenvironment ▼
our city's programs ▼
our city's policies ▼

Reduce • Reuse • Recycle

ecofindeRRR

This is where you'll find out where to recycle and properly dispose of just about everything!

1 Select a Category
2 Select a Subcategory
3 S4102

SEARCH Advanced Search Company Search SF City Depts.

search site/keywords
Google Custom Search SEARCH

what, when & how?
Cans, bottles, cardboard, food scraps, newspapers & pick up times. Get quick answers.

sign-up for our e-newsletter
SUBMIT

connect with sf environment
Twitter Facebook YouTube Instagram

top sfenvironment.org pages:
1. Jobs With SF Environment
2. Environmental Meetings and Events
3. Community Benefits

our city's programs

home / our city's programs / zero waste

Recycling

Public Awareness Reports

Recycling is a big part of life in San Francisco and we're proud to have one of the best programs in the nation. Our recycling collection program is "commingled" or "single stream" which means that all recyclable materials, such as paper, glass, plastic, and metal are accepted in one collection container or cart. The materials are then sent to Recycle Central, located at Pier 96 on San Francisco's Southern waterfront, where they are separated into commodities that are sold to manufacturers that turn our discards into new products.

We can **recycle** and **compost** almost everything in San Francisco and our programs are

Click here to learn about the **Mandatory Recycling & Composting Ordinance**

related programs and policies
ecofindeRRR
Construction & Demolition

topics
Waste Reduction & Reuse
Recycling
Composting
Disposal
Mandatory Recycling & Composting

InSight
Share your ideas. We're listening!

CalRecycle Resources

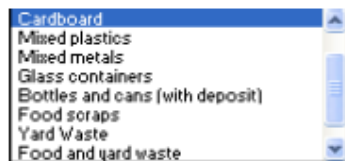
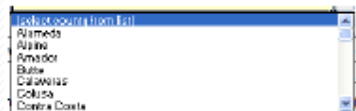
- ✓ Mandatory Commercial Organics Recycling (MORe):
<http://www.calrecycle.ca.gov/recycle/commercial/organics/>
- ✓ Waste Management for State Agencies:
<http://www.calrecycle.ca.gov/stateagency/>
- ✓ CalRecycle Staff and State Agency Contacts:
<http://www.calrecycle.ca.gov/StateAgency/Reporting/Contacts.aspx>
- ✓ Mandatory Organics Recycling Frequently Asked Questions:
<http://www.calrecycle.ca.gov/StateAgency/WMReport/FAQ.pdf> --
Questions and answers developed in response to state agency inquiries
- ✓ Steps to Implementing a Successful Waste Reduction Program:
<http://www.calrecycle.ca.gov/StateAgency/Assistance/4RsGuide/default.htm>
- ✓ FaCIT— facility directory : <http://www.calrecycle.ca.gov/FaCIT/Project>
- ✓ Commercial Climate Calculator: <http://www.calrecycle.ca.gov/climate/calculator/>
- ✓ Cool California: <http://www.coolcalifornia.org>
- ✓ California Green Business Program: <http://www.greenbusinessca.org>

Landscaping Practices


Management Memo No. 15-06, State Buildings and Grounds Maintenance and Operation (PDF, 157 KB), issued by DGS on Oct. 15, requires "a minimum 3-inch layer of mulch shall be applied on all exposed soil surfaces of planting areas" and other drought-related orders.

- Please see CalRecycle Compost and Mulch Producers for a list of permitted compost and mulch producers, searchable by county

Commercial Climate Calculator



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	<input type="text" value="Example"/>	Full-Time Employee	<input type="text" value="64"/>
Business Sector	<input type="text" value="Wholesale Durables"/>		
	Click to show your business sector? What here for glossary		
County	<input type="text" value="Orange"/>		

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

No Program	One or More Program(s) (select both boxes if applicable)	
<input type="checkbox"/> Don't currently have recycling	<input type="checkbox"/> Have mixed recycling (all recyclable materials go in one bin)	
	<input checked="" type="checkbox"/> Have separate material program(s) (check box and then select material(s) below)	
	Select: <input type="text" value="Cardboard"/>	Select: <input type="text" value="(select material from list)"/>
	Select: <input type="text" value="(select material from list)"/>	Select: <input type="text" value="(select material from list)"/>
	Select: <input type="text" value="(select material from list)"/>	Select: <input type="text" value="(select material from list)"/>

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.

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 savings¹ for you!

Evaluate Future Actions: Example

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

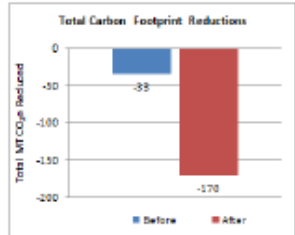
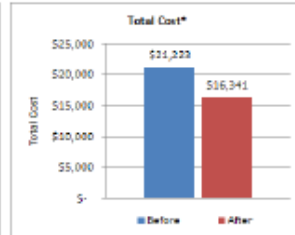
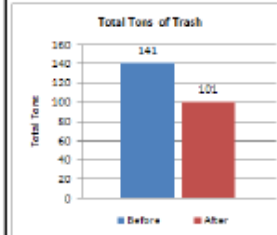
	Current				Current Footprint (MT CO ₂ e)	Future Actions		Results		
	Annual Trash Tons	Annual Recycling g	Annual Total Material Tons	Annual Recycling Rate %	Total Cost Savings ¹ \$	Increase Recycling Rate to %	Reduce % of Total Material	Additional Trash Reduced Tons	Additional Cost Savings ¹ \$	Additional Footprint Reductions ¹ MT CO ₂ e
Materials										
Cardboard	7.0	9.8	17.2	50%	\$789	75%		3.3	\$271	11.57
Paper	13.5	0.0	13.5	0%	\$0		10%	3.3	\$187	30.03
Mixed Metals	20.0	0.0	20.0	0%	\$0	50%		13.3	\$1,887	71.55
Mixed Plastics	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	0.00
Food Scraps	2.3	0.0	2.3	0%	\$0			0.0	\$0	0.00
Yard Waste	0.0	0.0	0.0	0%	\$0			0.0	\$0	0.00
Wood (pallets, etc.)	45.2	0.0	45.2	0%	\$0	50%		22.6	\$2,558	45.72
Other	45.3	0.0	45.3	0%				0.0	\$0	0.00
Total	141.4	9.8	151.0	0%	\$789			40.3	\$4,885	150.7

Source: reduction cost savings \$0. Enter the amount of money that you will save each year by not purchasing as much material.

(If you enter your local service rates only, you will not enter these into the calculator for more accurate cost savings results. Click here.)

Source: CalRecycle

What do your savings look like?



¹Note: 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 Savings	Total	metric tons of CO ₂ e is roughly equal to:
Annual tailpipe 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

EMAIL THIS SHARE THIS



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!

CoolCalifornia.org
Simple steps for a sustainable future

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CARBON FOOTPRINT CALCULATOR

Enterprise Edition Beta

INTRODUCTION

TRANSPORTATION

FACILITIES

PROCUREMENT

SUMMARY

TAKE ACTION

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California Green Business Program

California Green Business Program

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Look what we've achieved!

Click on the bars to find out how much we have saved:

Average Annual
Business Savings

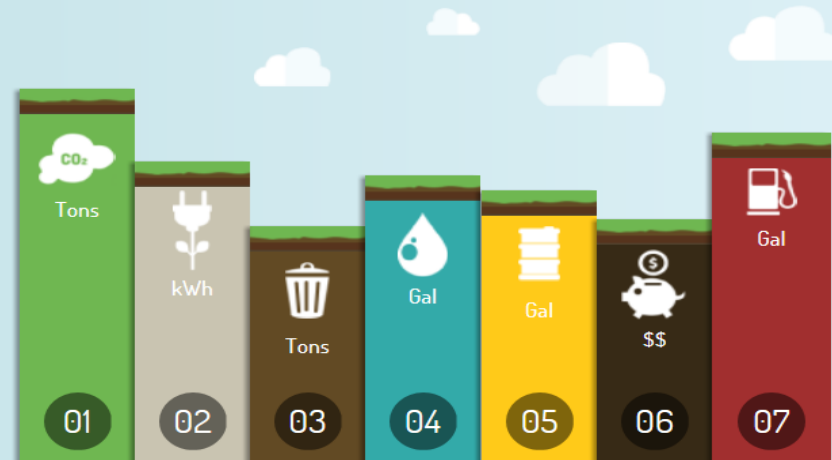
or

Annual Savings for
all Businesses

01 Greenhouse Gas Emissions Saved

This year, the California Green Business Program has saved **822,677** metric tons of CO₂ with a total savings of **\$3,083,277**.

That's the equivalent of planting **43,583** acres of urban trees a year for ten years.



2 8 0 0

Number of Certified Green Businesses in California today

Find Green Businesses

Looking for efficient businesses that incorporate green practices and consciously conserve resources? Select from the criteria below to find specific Green businesses near you!

Type of Business: All



City: All



Apply to Be a Green Business

Grow with us! **Green** business is **smart** business. Find out how to incorporate green practices in to your own business and discover how to conserve resources and become more efficient.

[Apply now to join the program!](#)



For More Information:

Contact your Local Assistance and Market Development Liaison:

<http://www.calrecycle.ca.gov/LGCentral/Reports/Contacts.aspx>

CalRecycle's web page at:

<http://www.calrecycle.ca.gov/recycle/commercial/organics/>