



Putting Cap-and-Trade Dollars to Work for California



***Creating New Jobs
Fighting Climate Change
Feeding the Hungry***





CALIFORNIA CLIMATE INVESTMENTS

CalRecycle's greenhouse gas reduction grant and loan programs put Cap-and-Trade dollars to work for California by reducing greenhouse gas (GHG) emissions, strengthening our economy, and improving public health and the environment—particularly in low-income and disadvantaged communities.

Benefits

- Reduced GHGs
- Food for Californians in need
- More renewable energy
- New jobs
- Healthy soil
- Increased water conservation
- Improved water quality
- Reduced air pollution and odors
- Fewer premature deaths and hospital visits



What Does Recycling Have to Do With Climate Change?

- Organic waste is the largest material type landfilled in California.
- Landfilled organic waste emits methane gas, a climate-changing super-pollutant over 70 times more powerful than CO₂.
- Organic waste can be recycled into biofuel, compost, and other beneficial products.
- Recycling materials into new products prevents GHG emissions associated with sourcing new raw materials.
- Bolstering California's recycling infrastructure reduces our dependence on exporting recyclables to places like China.



Food Waste Prevention and Rescue Projects



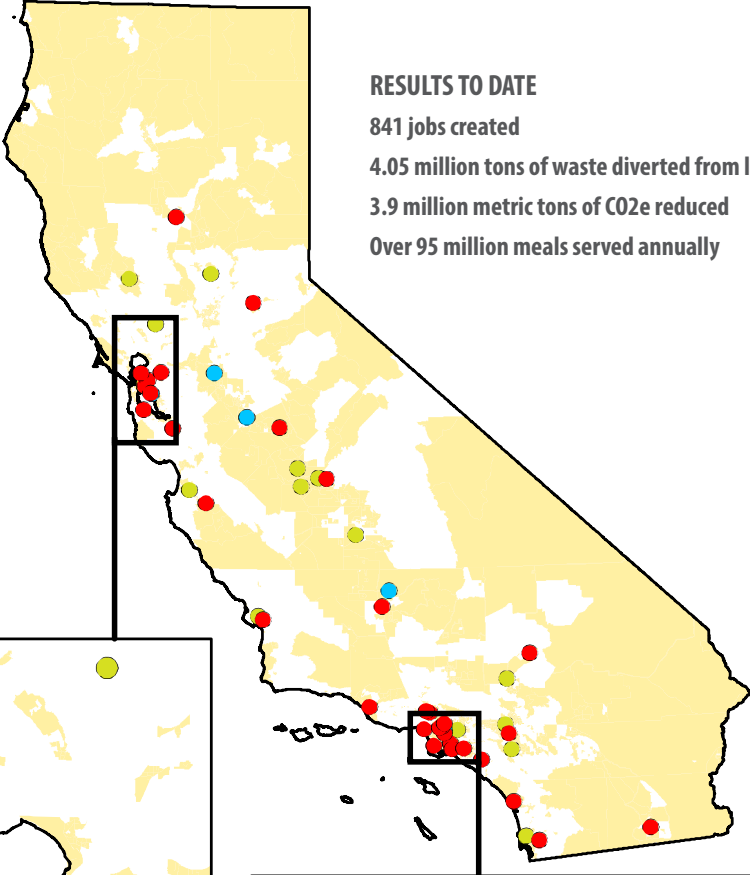
Organics Projects



Recycled Fiber, Plastic, and Glass Projects



Disadvantaged or Low-income Communities



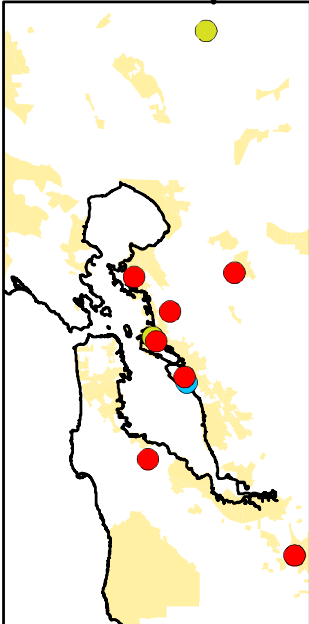
RESULTS TO DATE

841 jobs created

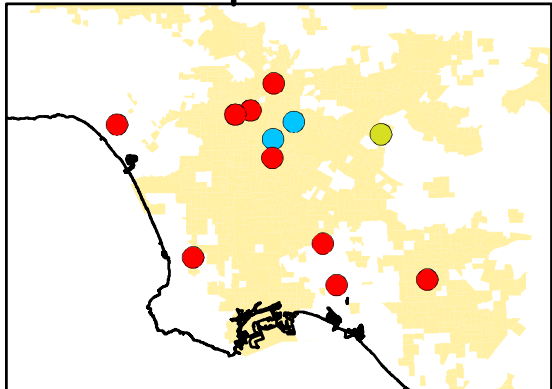
4.05 million tons of waste diverted from landfills

3.9 million metric tons of CO₂e reduced

Over 95 million meals served annually



Bay Area



Los Angeles Area



CalRecycle's Cap-and-Trade Funds

The Legislative Analyst's Office reports CalRecycle's Cap-and-Trade grant programs are among the **most cost-effective** and most **oversubscribed** compared to other agencies statewide.

Since 2014, CalRecycle has received **185** applications seeking \$338 million in grant funding; CalRecycle was allocated enough funding for **67** projects in the following programs:

\$9.4 Million | Food Waste Prevention and Rescue Grant Program (New)

Funds projects that prevent food waste from being generated and/or rescue edible food that would otherwise be disposed to help feed the 1 in 8 Californians considered food-insecure.

- 100% of projects benefit disadvantaged communities or feed Californians in need
- 350,000 metric tons of CO2 equivalent (MTCO2e) reduced | \$12–15 in grant funds per MTCO2e reduced

\$72 Million | Organics Grant Program

Funds the construction, renovation, or expansion of compost or anaerobic digestion facilities to reduce organic waste in landfills by transforming the material into renewable biofuel or into compost and other soil amendments that sequester carbon, improve soil water-holding capacity, and prevent erosion. Many of these projects include a food rescue component.

- 93% of projects benefit or feed disadvantaged or low-income communities
- 2.5 million MTCO2e reduced | \$9–30 in grant funds per MTCO2e reduced

\$14 Million | Recycled Fiber, Plastic, and Glass Grant Program

Funds the construction, renovation, or expansion of facilities that manufacture products from recycled fiber (paper, textiles, carpet, or wood), plastic, or glass.

- 100% of projects benefit disadvantaged or low-income communities
- 500,000 MTCO2e reduced | \$15–52 in grant funds per MTCO2e reduced

\$9.3 Million | Organics and Recycling Manufacturing Loans

Finances construction, renovation, or expansion of organics composting or anaerobic digestion facilities and facilities that manufacture fiber, plastic, or glass waste materials into beneficial products.

- 500,000 MTCO2e reduced | \$5 in loan funds per MTCO2e reduced



Fresno Metropolitan Ministry \$500,000 Food Waste Prevention and Rescue Grant

Central Valley Districts: Senate 8, 12, 14 | Assembly 23, 31

Fresno Metro Ministry is a community organization founded in 1970 to help Fresno-area families in need. With the help of California Climate Investments, Metro's Food to Share program will be able to provide an additional **1.4 million pounds of food** for hungry Californians while reducing landfilled food waste by more than **713 tons**. The rescued food ranges from prepared meals to fresh produce.

"Fresno County has long been America's top-producing agricultural county, yet more than 250,000 Fresno County residents suffer from food hardship weekly. We're working to close that gap."

—Keith Bergthold, Fresno Metro Ministry

Food to Share combines food access and food rescue efforts to reduce GHG emissions and reduce hunger in underserved Central Valley communities. Since 2016, Food to Share has rescued more than 1 million pounds of edible food to feed hungry families in Fresno, Madera, Kings, Tulare, and Kern counties.

After partnering in a previous Organics Grant to develop a food rescue exchange website, Metro received a \$500,000 Food Waste Prevention and Rescue Grant from CalRecycle to:

- Expand its Food to Share program to double recoveries from schools and retail outlets and increase backyard gleanings
- Partner with Community Food Bank to increase food donation, storage, and distribution capacity
- Hire a driver and purchase cargo vans, refrigerated trucks, and commercial freezers





Alameda County Waste Management Authority (StopWaste) 🍎 \$500,000 Food Waste Prevention and Rescue Grant

Northern California Districts: Senate 9 | Assembly 18

Grass roots and local government are joining forces with school districts in Alameda County to stop good food from being landfilled. In addition to developing new systems and outreach programs to **prevent 956 tons of food waste** before it's created, this project will divert surplus school food to provide nearly **714,000 meals** to local students, families, and low-income seniors.

“By preventing edible food from going to waste at school, we set an example for our students and provide an opportunity to learn how everyday behaviors impact the environment and community.”

—Cassie Bartholomew, StopWaste

Bolstering Alameda County's food waste prevention and recovery infrastructure will reduce GHG emissions while helping to feed the roughly 1 in 7 county food-insecure residents. The Alameda County Waste Management Authority estimates about 90% of food waste from Alameda schools consists of edible food.

StopWaste—in partnership with ALL IN Alameda County, Oakland Unified School District, and Livermore Valley Joint Unified School District—received a \$500,000 Food Waste Prevention and Rescue Grant from CalRecycle to:

- Train kitchen staff to collect data on surplus school food and cafeteria share tables, conduct student waste audits, examine new opportunities to reduce waste, and actively engage students in food rescue efforts
- Hire up to three people to help manage and deliver surplus school food for redistribution
- Enhance career pathways for disadvantaged residents through training and participation in food waste prevention and rescue efforts





South Lake Refuse Company

\$1.2 Million Organics Grant (Rural Compost)

Northern California Districts: Senate 2 | Assembly 4

South Lake Refuse Company (SLRC) has served its community for decades. Now, the company is focusing on the future of Lake County with a major upgrade at its green waste compost facility. The California Climate Investment grant enables SLRC to compost the region's food waste for the first time, reducing 11,252 MTC02e of GHGs, diverting an additional **49,223 tons** of material from landfills, and developing a **rural solution for food waste management** in California.

"We're so excited for this project. Not only will it keep more organic waste out of landfills, but the compost we create reduces California's reliance on synthetic fertilizer while improving soil health and increasing water retention in fields where it is applied."

—Christy Pestoni Abreu, South Lake Refuse Company

South Lake Refuse Company, in partnership with Sacramento Food Bank and Family Services, received a \$1.2 million Organics Grant from CalRecycle funds dedicated to rural compost projects to:

- Purchase and install water quality protection infrastructure to enable food waste composting
- Purchase an electric grinder to prepare bulky green waste for compost instead of landfilling it
- Increase production of compost, topsoil, and wood chips for landscaping and agricultural use
- Rescue and redistribute food for underserved Northern California communities





Mid Valley Recycling & Disposal

\$4.9 Organics Grants (Compost)

Central Valley Districts: Senate 12 | Assembly 31

When it comes to compost facilities, Mid Valley Disposal's (MVD) 24-heap operation in the Fresno County community of Kerman is cutting-edge. The family-owned company received two California Climate Investment grants to build and later expand the facility, creating **more than 75 jobs**, diverting **343,180 tons** of organic material from landfills and **reducing air pollution and odors** throughout the Central Valley by using advanced covered compost technology.

"The grants allowed us to keep our rates to our customers down ... provide a more localized facility, and provide some infrastructure to the Central Valley that we didn't have before."

—Joseph Kalpakoff, Mid Valley Disposal

MVD's compost facility in California's agricultural heartland is a model of sustainability in California's innovative fight against climate change. Compost use provides a simple, proven way to build carbon content and hold more water in soils, which is essential for building climate resilience in our communities.

Mid Valley Disposal received two Organics Grants from CalRecycle totaling \$4.9 million to:

- Construct a 16-heap covered compost operation and later expand it to 24 heaps
- Compost food and green waste from Fresno, Madera, Tulare, and Kings counties
- Expand organics recycling programs for area school districts, the Big Fresno Fair, and other local businesses and municipalities





CR&R Incorporated

\$3 Million Organics Grant (Digestion)

Southern California/Inland Empire Districts: Senate 34 | Assembly 72

The second phase of a massive \$100 million organic waste recycling infrastructure project is now online in Riverside County. With support from California Climate Investments, Southern California waste management and recycling company CR&R just doubled capacity at its anaerobic digestion facility—creating **nearly 100 jobs** and reducing GHG emissions. Once complete, the four-phase project will be able to transform **320,000 tons** of formerly landfilled organic waste into biofuel and other beneficial products each year.

“This is big time! It’s a 21st century facility that is recycling 100 percent of our organic waste and plays into our efforts to be sustainable as a city.”

—Michael Vargas, Perris Mayor

The CR&R vehicle fleet uses the low-carbon biofuel it produces in place of high-carbon diesel. The company’s renewable biofuel is also set to flow from its Perris facility through the pipelines of the SoCalGas system, the nation’s largest natural gas distribution utility.

CR&R received a \$3 million Organics Grant from CalRecycle to:

- Reduce GHG emissions by 483,000 MTCO₂e
- Provide jobs or other benefits to disadvantaged and low-income communities
- Partner with food rescue organizations to capture edible food for human consumption





Command Packaging

\$3 Million Recycled Fiber, Plastic, and Glass Grant (Plastic)

Central Coast, Southern California Districts: Senate 12, 33 | Assembly 30, 53

A California company with a goal of recycling 100 million pounds of plastic each year is putting Cap-and-Trade dollars to work for Monterey and Los Angeles counties. Command Packaging, recently acquired by Delta Plastics, is reducing GHGs and supporting **new jobs** by recycling **313,600 tons** of agricultural plastic into top-of-the-line reusable bags.

Recycling materials like fiber, plastic, and glass in California reduces our reliance on exports to places like China. It also reduces the energy expended and the greenhouse gas emissions produced in the mining and refining of raw materials.

“With California’s climate initiative and 75 percent recycling goal ... what we’re doing is taking something that was going to landfills and ensuring that does not happen.”

—Cherish Changala, Command Packaging

California farmers use agricultural plastic to cover grapes and almonds, keep pests away from strawberries, and irrigate tomatoes, among other uses. The grant will enable farmers to send agricultural plastic to the Command Packaging recycling facility, rather than the landfill, at the end of its useful life.

Command Packaging received a \$3 million Recycled Fiber, Plastic, and Glass Grant from CalRecycle to:

- Reduce GHG emissions by 272,700 MTCO₂e
- Purchase and install new equipment to increase the amount of recycled content in its bags
- Turn formerly landfilled agricultural plastic into a value-added product





Projects listed on the following pages include the grantee, political district, funding amount, grant program, and whether the project benefits disadvantaged counties, uses food for Californians in need, or creates new jobs.

CalRecycle Climate Investments

Alameda County



Alameda County Waste Management Authority
Districts: Senate 9 | Assembly 18
\$500,000 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

City Team – Oakland



Districts: Senate 8 | Assembly 18
\$96,429 Food Waste Prevention and Rescue Grant
Food Rescue

Recology East Bay



Districts: Senate 11 | Assembly 17
\$3 Million Organics Grant (Anaerobic Digestion)
DAC Benefits | Jobs

Re-plate, Inc.



Districts: Senate 9 | Assembly 15
\$299,100 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

Butte County



Jesus Center
Districts: Senate 4 | Assembly 3
\$499,789 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

Contra Costa County



City of Richmond
Districts: Senate 9 | Assembly 15
\$327,500 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

White Pony Express



Districts: Senate 7 | Assembly 16
\$115,000 Food Waste Prevention and Rescue Grant
Food Rescue

El Dorado County



El Dorado County
Districts: Senate 1 | Assembly 5
\$277,140 Food Waste Prevention and Rescue Grant
Food Rescue

Fresno County



Fresno Metropolitan Ministry
Districts: Senate 8, 12, 14 | Assembly 23, 31
\$500,000 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

Mid Valley Disposal, Inc.




District: Senate 12 | Assembly 31
\$1.9 Million Organics Grant (Compost)
DAC Benefits | Jobs




Mid Valley Recycling, LLC

 District: Senate 12 | Assembly 31
\$3 Million Organics Grant (Compost)
DAC Benefits | Jobs


Imperial County

 Imperial Valley Food Bank
Districts: Senate 40 | Assembly 56
\$500,000 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs


Kern County

 Kern County
Districts: Senate 14 | Assembly 32
\$191,963 Food Waste Prevention
and Rescue Grant
Food Rescue

Lake County

 South Lake Refuse Company, LLC
Districts: Senate 2 | Assembly 4
\$1.2 Million Organics Grant (Compost)
DAC Benefits | Food Rescue

Los Angeles County

 Associated Students, Inc.
Districts: Senate 34 | Assembly 70
\$65,340 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs


City of Culver City

 Districts: Senate 30 | Assembly 54
\$497,144 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs

City of Santa Monica

 Districts: Senate 26 | Assembly 50
\$100,000 Food Waste Prevention
and Rescue Grant
Food Rescue

County Sanitation Districts of LA County

 Districts: Senate 22 | Assembly 57
\$4 Million Organics Grant
(Anaerobic Digestion)
DAC Benefits | Food Rescue | Jobs

Food Finders, Inc.

 Districts: Senate 33 | Assembly 63
\$100,000 Food Waste Prevention
and Rescue Grant
Food Rescue

Food Forward

 Districts: Senate 18 | Assembly 39
\$500,000 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs

Los Angeles Conservation Corp


 Districts: Senate 24 | Assembly 51
\$375,206 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs

Los Angeles Regional Food Bank


 Districts: Senate 33 | Assembly 59
\$386,960 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue




 **The Midnight Mission**
Districts: Senate 30 | Assembly 53
\$100,000 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs

 **Reliance Carpet Cushion**
Districts: Senate 9, 23, 33 | Assembly 18, 53
\$1 Million Recycled Fiber, Plastic,
and Glass Grant
DAC Benefits | Food Rescue | Jobs


 **rPlanet Earth Los Angeles, LLC**
Districts: Senate 33 | Assembly 53
\$3 Million Recycled Fiber, Plastic,
and Glass Grant
DAC Benefits | Jobs


 **St. Francis Center**
Districts: Senate 30 | Assembly 59
\$100,000 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs


 **Strong Food/L.A. Kitchen, Inc.**
Districts: Senate 24 | Assembly 51
\$389,387 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs


 **Los Angeles/Monterey County**
Command Packaging
Districts: Senate 12, 22 | Assembly 30, 53
\$3 Million Recycled Fiber, Plastic,
and Glass Grant
DAC Benefits | Jobs

 **Madera County**
West Coast Waste
Districts: Senate 12 | Assembly 5
\$1.2 Million Organics Grant (Compost)
DAC Benefits | Jobs

 **Monterey County**
Food Bank for Monterey County
Districts: Senate 12 | Assembly 30
\$475,072 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs

 **Revolution Plastics, LLC**
Districts: Senate 12 | Assembly 30
\$3 Million Recycled Fiber, Plastic,
and Glass Grant
DAC Benefits | Jobs


 **Salinas Valley Solid Waste Authority**
Districts: Senate 12 | Assembly 30
\$1.3 Million Organics Grant (Compost)
DAC Benefits | Food Rescue

 **Merced County**
University of California, Merced
Districts: Senate 12 | Assembly 21
\$100,000 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs


 **Napa County**
Napa Recycling & Waste Services, LLC
Districts: Senate 3 | Assembly 4
\$541,700 Organics Grant (Compost)
DAC Benefits | Food Rescue



Orange County

 Waste Not OC Coalition, a Fiscal Project of OneOC
Districts: Senate 34 | Assembly 69
\$500,000 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

Riverside County

 CR&R Incorporated
Districts: Senate 34 | Assembly 72
\$3M Organics Grant (Anaerobic Digestion)
DAC Benefits | Food Rescue | Jobs

City of Riverside

 Districts: Senate 31 | Assembly 61
\$209,736 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs


San Bernardino County

 Burrtec Waste Industries, Inc.
Districts: Senate 21 | Assembly 33
\$2.6 Million Organics Grant (Compost)
DAC Benefits | Food Rescue | Jobs

Desert Manna

 Districts: Senate 16 | Assembly 33
\$470,450 Food Waste Prevention and Rescue Grant
Food Rescue | Jobs

Rialto Bioenergy Facility, LLC

 Districts: Senate 20 | Assembly 47
\$4 Million Organics Grant (Anaerobic Digestion)
DAC Benefits | Food Rescue | Jobs

San Diego County

 City of San Diego
Districts: Senate 38 | Assembly 77
\$3 Million Organics Grant (Compost)
DAC Benefits | Food Rescue

Produce Good

 Districts: Senate 36 | Assembly 76
\$100,000 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

San Diego Food System Alliance, a Fiscal Project of Leah's Pantry

 Districts: Senate 39 | Assembly 78
\$500,000 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue | Jobs

San Joaquin County

 SIONEER Stockton, LLC
Districts: Senate 5 | Assembly 13
\$3 Million Recycled Fiber, Plastic, and Glass Grant
DAC Benefits | Jobs

San Francisco County

 Peninsula Food Runners
Districts: Senate 11 | Assembly 17
\$200,000 Food Waste Prevention and Rescue Grant
DAC Benefits | Food Rescue



San Luis Obispo County



Food Bank Coalition of SLO County
Districts: Senate 17 | Assembly 35
\$100,000 Food Waste Prevention
and Rescue Grant
Food Rescue

HZIU Kompogas SLO, Inc.



Districts: Senate 17 | Assembly 35
\$4 Million Organics Grant
(Anaerobic Digestion)
DAC Benefits | Food Rescue

Santa Clara County



Joint Venture Silicon Valley Network
Districts: Senate 15 | Assembly 27
\$313,000 Food Waste Prevention
and Rescue Grant
Food Rescue

Stanislaus County



Peninsula Plastics Recycling, Inc.
Districts: Senate 12 | Assembly 12
\$1 Million Recycled Fiber, Plastic,
and Glass Grant
DAC Benefits | Jobs

Tulare/Fresno County



Colony Energy Partners – Tulare, LLC.
Districts: Senate 14, 37 | Assembly 23, 74
\$2.9 Million Organics Grant
(Anaerobic Digestion)
DAC Benefits | Food Rescue | Jobs

Ventura County



Ventura County
Districts: Senate 19 | Assembly 37
\$499,293 Food Waste Prevention
and Rescue Grant
DAC Benefits | Food Rescue | Jobs

Yuba County



Recology Yuba-Sutter
Districts: Senate 4 | Assembly 3
\$2.8 Million Organics Grant (Compost)
Jobs



California Goals and Infrastructure Needs

What California Law Requires

CalRecycle's Climate Investments provide critical funding for recycling infrastructure that California needs in order to achieve the statewide goals established in:

- **SB 1383 (Lara, Chapter 395, Statutes of 2016)** to reduce the amount of organic material going to landfills by 50 percent by 2020 and 75 percent by 2025, and recover at least 20% of edible food for human consumption by 2025
- **AB 1826 (Chesbro, Chapter 727, Statutes of 2014)** to reduce the amount of organic material going to landfills by requiring businesses to recycle their organic waste
- **AB 341 (Chesbro, Chapter 476, Statutes of 2011)** to reduce the amount of solid waste going to landfills by 75% by 2020

What California Needs to Do

California will need to move more than 20 million tons a year out of the disposal stream to meet the above goals. CalRecycle estimates that will require at least:

- 50 to 100 new or expanded organics recycling facilities
- \$2 billion to \$3 billion in capital investment

How Californians Benefit From Success

- Improved air quality resulting in decreased health impacts, such as premature deaths and hospital visits—especially for sensitive groups such as children, elderly, and people with chronic heart or lung disease
- Hundreds of millions of dollars saved in health care costs
- More than 12,000 additional recycling and manufacturing jobs, many in disadvantaged and low-income communities
- Food to help the 1 in 8 Californians, 1 in 2 UC students, and 1 in 5 California children who are food insecure

