

SB 1383

Reducing Short-Lived Climate Pollutants in California

An Overview of SB 1383's
Organic Waste Reduction
Requirements



CALIFORNIA'S CLIMATE STRATEGY & SB 1383

CALIFORNIA CLIMATE STRATEGY

An Integrated Plan for Addressing Climate Change



VISION

Reducing Greenhouse Gas Emissions to 40% Below 1990 Levels by 2030

GOALS



50% renewable electricity



50% reduction in petroleum use in vehicles



Double energy efficiency savings at existing buildings



Carbon sequestration in the land base



Reduce short-lived climate pollutants



Safeguard California



CalRecycle

- Reduce Organic Waste Disposal
- Recover Edible Food from Waste Stream
- Reduce Methane Emissions

CLIMATE CHANGE NEGATIVELY IMPACTS CALIFORNIA

Landfilled Organics Emit

Methane Gas— A Super Pollutant

More Powerful than CO₂
Over a 20 Year Horizon

Methane Gas Contributes to
Climate Change in California



CALIFORNIA
is already experiencing
the impacts of
CLIMATE CHANGE

Climate Plan Provides Health Benefits in 2030

AVOIDED
PREMATURE DEATHS



VALUE OF AVOIDED
HEALTH IMPACTS

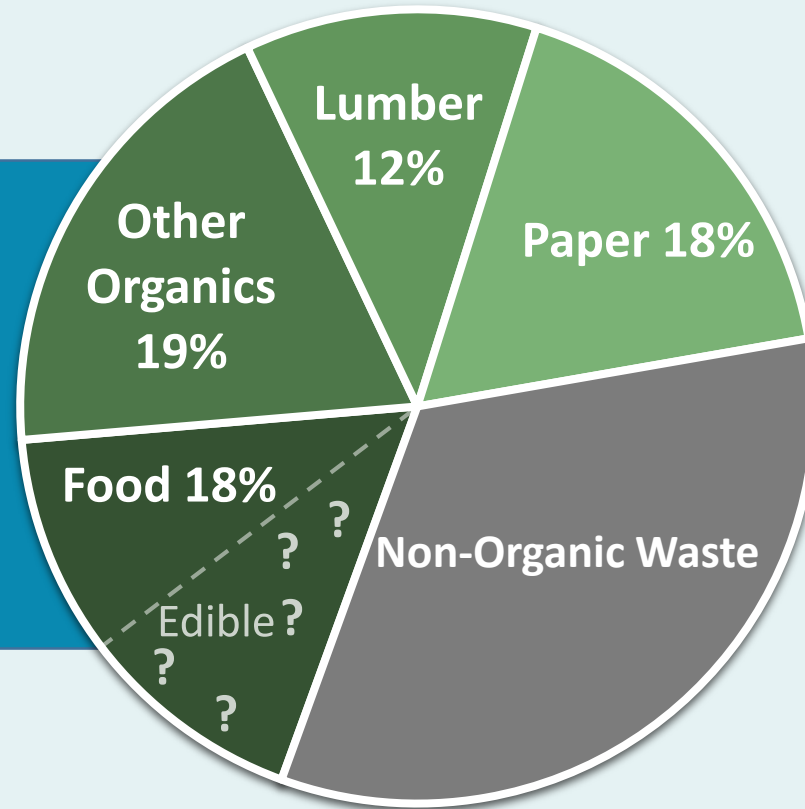


VALUE OF AVOIDED
DAMAGES USING
SOCIAL COST OF CARBON



ORGANIC WASTE DISPOSAL IN CALIFORNIA

California Generates
**Approximately
20 Million Tons**
of Organic Waste
Every Year



Approximately
2/3rds of
California's
Waste Stream is
Organic Waste

FIGHTING FOOD INSECURITY IN CALIFORNIA



In California, Millions Are
Food Insecure

1 in 5 Children

1 in 8 Adults



SB 1383 ORGANIC WASTE REQUIREMENTS AN INTEGRAL PART OF CALIFORNIA'S CLIMATE STRATEGY



Office of Governor
Edmund G. Brown Jr.

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OFFICE OF THE GOVERNOR

Governor Brown Signs Nation's Toughest Super Pollutant Restrictions into Law

Published: Sep 19, 2016



LONG BEACH – Governor Edmund G. Brown Jr. today signed SB 1383 by Senator Ricardo Lara (D-Bell Gardens), which establishes the nation's toughest restrictions on destructive super pollutants including black carbon, fluorinated gases and methane. If followed worldwide, these acts would help cut the projected rate of global warming in half by 2050.

"Cutting black carbon and other super pollutants is the critical next step in our program to combat climate change," said Governor Brown at a signing ceremony near a Long Beach playground bordered by oil refinery smokestacks. "This bill curbs these dangerous pollutants and thereby protects public health and slows climate change."

...super pollutants (also known as short-lived climate pollutants) and promotes renewable gas by requiring a... in methane and hydrofluorocarbon from 2013 levels by 2030. Sources of these... and synthetic gases used in refrigeration, air

"Cutting black carbon and other super pollutants is the critical next step in our program to combat climate change"

"The Super Pollutants... effect on climate change and global warming," said... unique opportunity to balance our global vision for the future with a much more... ambitious goals, we'll continue to set the standard for climate policy worldwide. And most importantly, these... in California and reflected in the health of our children and future generations to come."

September 19, 2016

To the Members of the California State Senate:

Senate Bill 1383

Many strategies will be necessary to redirect manure and organic waste toward more productive uses that reduce emissions and stimulate our economy...

...Board, the Department of Food & Agriculture and... to explore all means, including appropriate pricing tools, to generate the... development of the infrastructure and workforce needed to reach the super pollutant... reduction goals.

Sincerely,

Edmund G. Brown Jr.

GOVERNOR EDMUND G. BROWN JR. • SACRAMENTO, CALIFORNIA 95814 • (916) 445-2841

SB 1383 ORGANIC WASTE REQUIREMENTS

2020

50 Percent Reduction in Landfilled Organic Waste
(11.5 Million Tons Allowed Organic Waste Disposal)

2025

75 Percent Reduction in Landfilled Organic Waste
(5.7 Million Tons Allowed Organic Waste Disposal)

2025

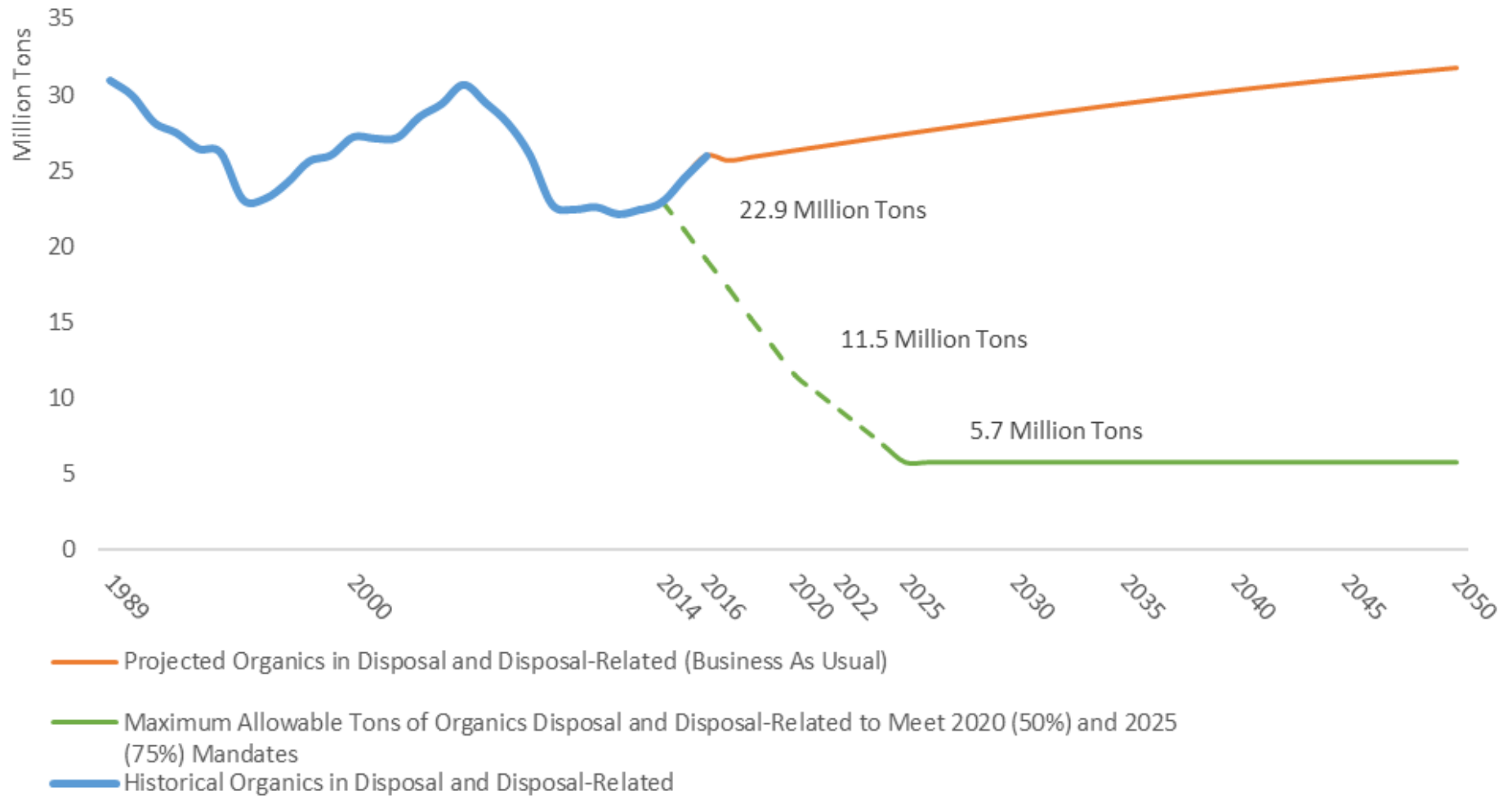
20 Percent Increase in Recovery of Currently
Disposed Edible Food

ORGANIC WASTE REDUCTION TARGETS

By 2020
10 Million TPY

2025 →
20+ Million TPY

Allowable Disposal of Organics Statewide



ORGANIC WASTE RECYCLING INFRASTRUCTURE



SB 1383 Requires 50-100
New or Expanded
Organic Waste Recycling Facilities

STRATEGIES AND REGULATED ENTITIES

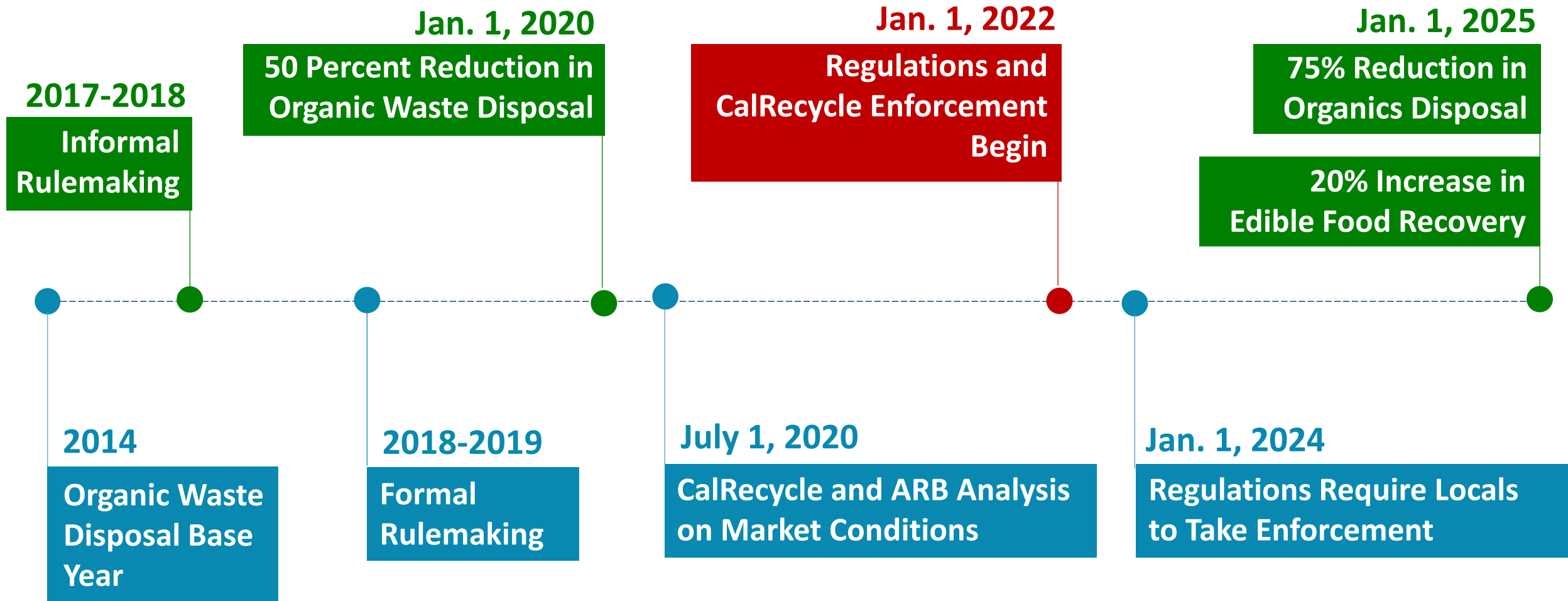


COMPONENTS OF SB 1383 ORGANIC WASTE REGULATIONS



SB 1383 ORGANIC WASTE REGULATIONS

KEY IMPLEMENTATION DATES



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