



# *SB 1383 & AB 1826 Compliance & Solution Overview*

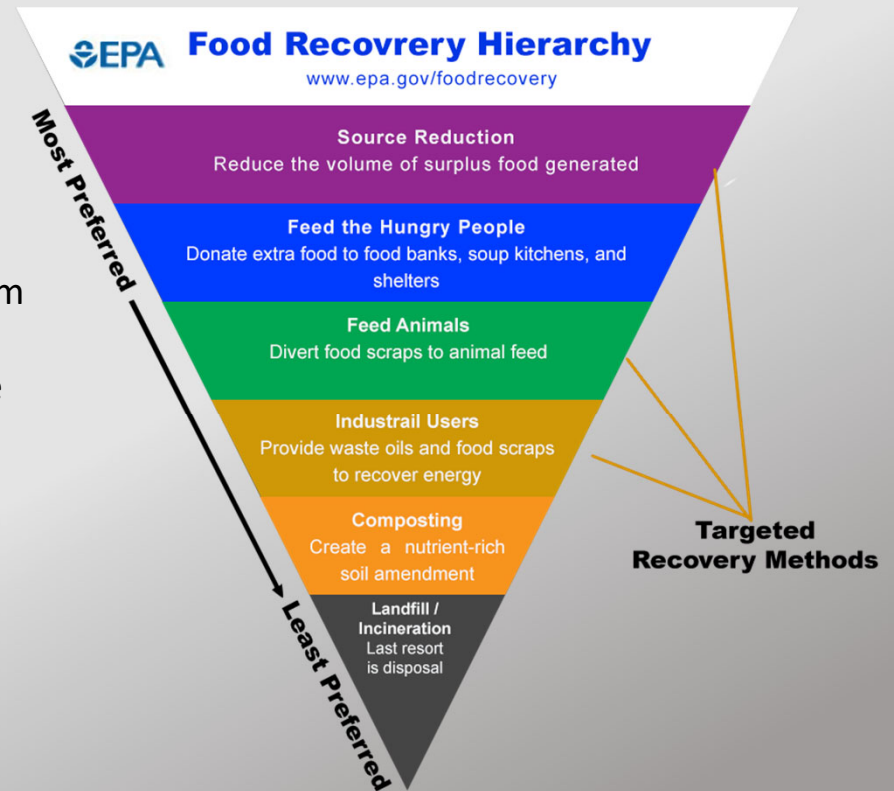
*Presented By Imperial Western Products Inc.*

*“At IWP, we take pride in how we impact our environment daily” – Trent Trawick, CEO*

# Our Responsibility To The Environment



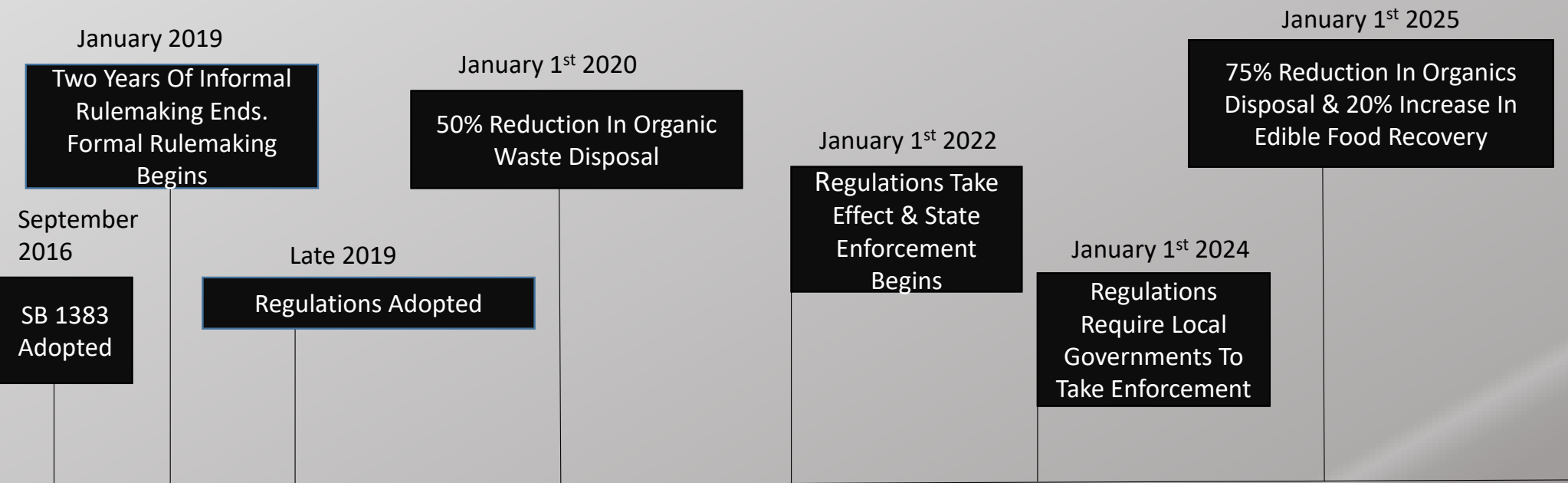
- ✓ Source reduction
- ✓ Establish a diversion program
- ✓ Implement systems to support your Recycle Stream
- ✓ Feed animals
- ✓ Responsibly repurpose waste products to mitigate Exposure



# AB 1826 & SB 1383 Background & Overview

- In October 2014 Governor Brown signed AB 1826 requiring businesses to recycle their organic waste on and after April 1, 2016, depending on the amount of waste they generate per week.
  - This law also requires that on and after January 1, 2016, local jurisdictions across the state implement an organic waste recycling program to divert organic waste generated by businesses.
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- In September 2016, the State set methane emission reduction targets for California in Senate Bill 1383, intended as a statewide effort to reduce emissions of short-lived climate pollutants (like organic waste) in various sectors of California's economy.
  - SB 1383 establishes statewide targets to reduce the amount of organic waste disposed of in landfills (50% reduction by 2020 and 75% by 2025). It also sets a goal to rescue at least 20% of currently disposed edible food by 2025 and redirect that food to people in need.

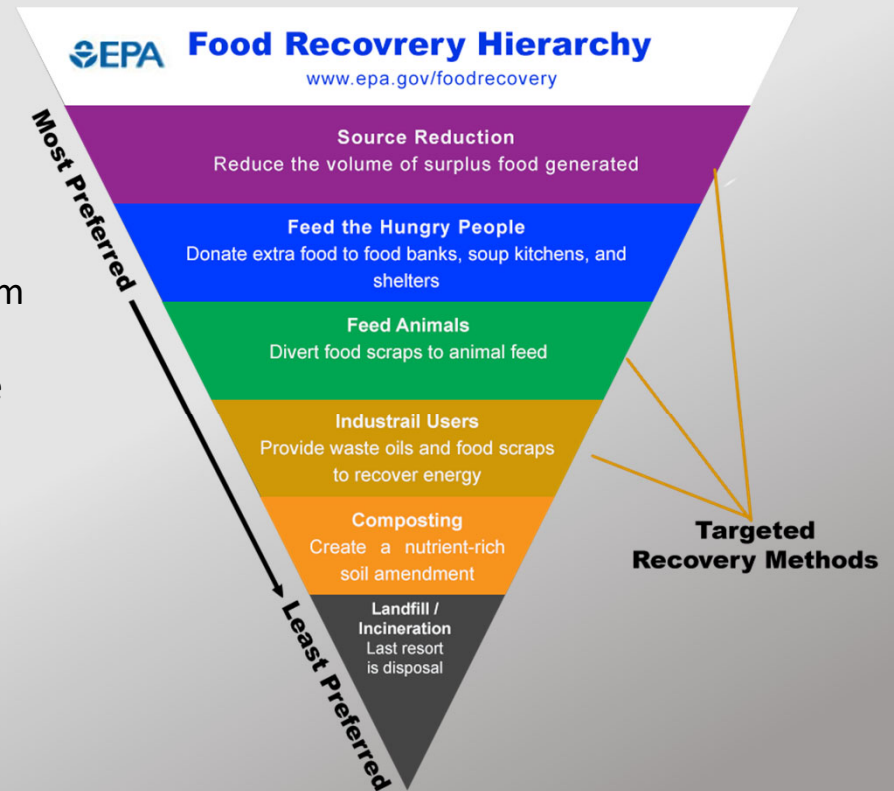
# Implementation Timeline



# Our Responsibility To The Environment



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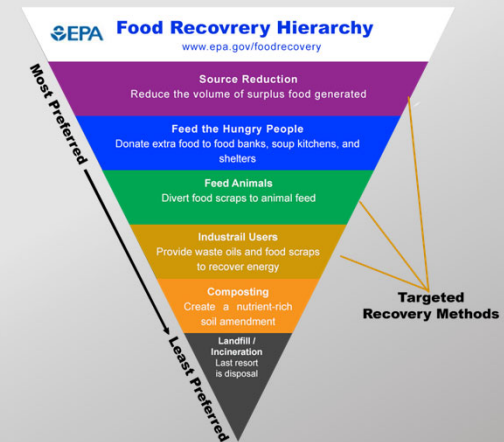
# Source Reduction #1

## Benefits:

- Prevent pollution related to food production, such as fertilizers and pesticides, and save energy associated with growing, preparing, and transporting food.
- Reduce methane emissions from landfills.
- Save money by buying only what is needed and by avoiding disposal costs.
- Save labor costs through more efficient handling, preparation, and storage of food that will be used.

## How To:

- Perform a food waste audit
  - What is being thrown out
  - Weight & number of items
  - The reason
  - Is the food still edible?
  - Most & least wasted items



\*Source CalRecycle

# *What is food waste?*



## **Examples of Food Waste:**

- Cookies
- Chips
- Corn Mash
- Tortillas
- Noodles
- Baking Ingredients
- Cereals
- Nuts
- Bread
- Out-of-Date / Expired Product
- Floor sweepings
- Used cooking oil
- Raw masa & dough
- Fruits & vegetables
- Juices & beverages



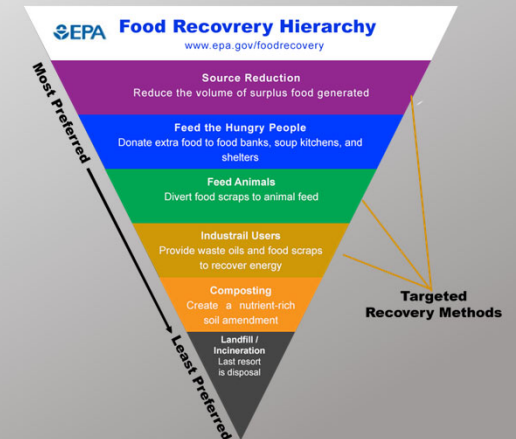
## Feed Hungry People #2

### Food Donations In Your Community

- Food Donors can include, Food Processors, Manufacturers, Grocers, Wholesalers & Farmers
- Donated food includes, edible foods, products affected by labeling regulations or manufacturing glitches, expired coupons or code-dated products.

**Benefits:** helps those in need & tax benefits for donors

**Are You Protected?** Yes! The “Bill Emerson Good Samaritan Food Donation Act” (Public Law 104-210) Protects donors from liability when donating to nonprofit organizations.



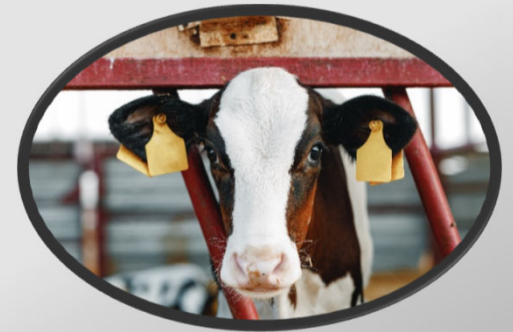
\*Source CalRecycle



# Animal Feed #3

## Current Dairy Feed Industry Potential Organic Feed Volumes

- California is a feed deficit state. Much of this feed is imported.
- Over 12.5 million tons of food waste is currently being diverted to animal feed within California
- There is an estimated 50 million tons of total capacity currently existing in the industry

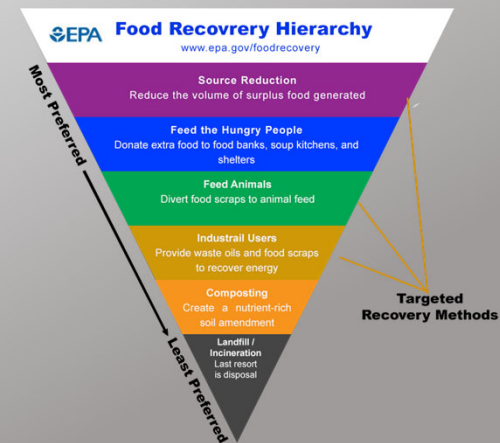


### The Numbers:

- 5.5 Million cattle & calves
- 96,000 hogs & pigs
- 62 Million chickens, turkey, ducks & geese

### Benefits:

- Water Conservation: It takes 2,500 gallons of water to grow one bushel of corn.
- It takes 1 acre of land to grow 130 bushels of corn. It takes 35.7 bushels to make one short ton of corn.

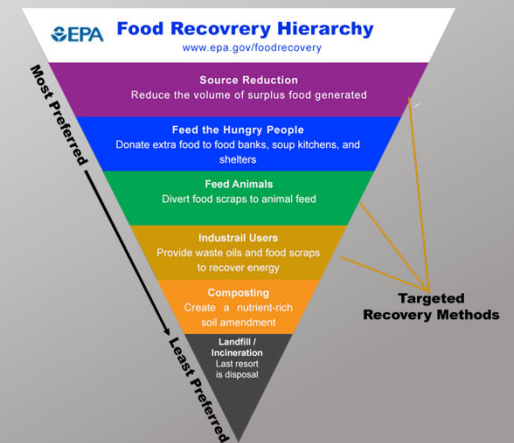


\*Source California Department Of Food & Agriculture & United States Department of Agriculture Census 2017

# Industrial Uses #4

## Fats, Oils & Grease

- **Rendering** - Liquid fats and solid meat products can be used as raw materials in the rendering industry, which converts them into animal food, cosmetics, soap, and other products.
- **Biodiesel** - Fats, oils and grease are collected and converted by local manufacturers into environmentally friendly biodiesel fuel. Biodiesel is an alternative fuel produced from renewable resources such as virgin oils (soybean, canola, palm), waste cooking oil, or other bio-waste feedstock. Biodiesel significantly reduces greenhouse gases, sulfur dioxide in air emissions, and asthma-causing soot. Along with creating less pollution, biodiesel is simple to use, biodegradable and nontoxic.
- **Anaerobic Digestion** - Fats, oil and grease can be added to anaerobic digesters at wastewater treatment plants to generate renewable energy in the form of biogas.



\*Source CalRecycle & Epa.gov

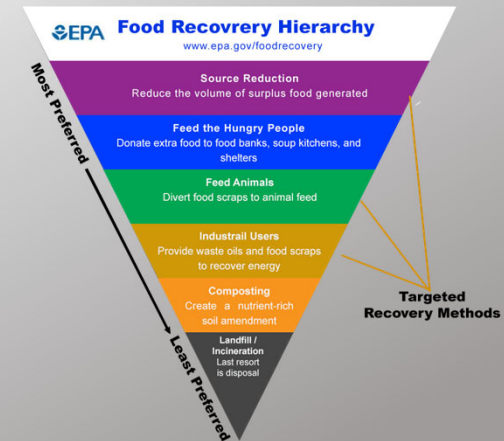
# Composting #5

## Compost is created by:

- Combining organic wastes, such as wasted food, yard trimmings, and manures, in the right ratios into piles, rows, or vessels.
- Adding bulking agents such as wood chips, as necessary to accelerate the breakdown of organic materials; and
- Allowing the finished material to fully stabilize and mature through a curing process.

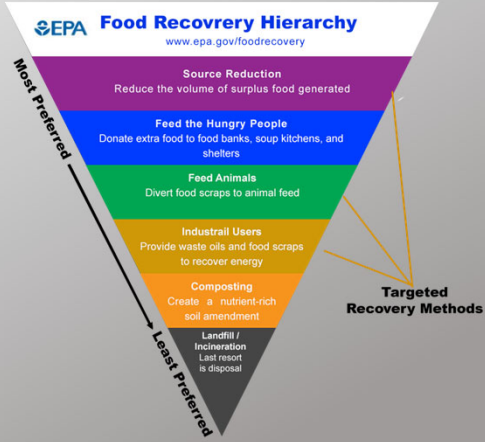
## Benefits Of Composting:

- Organic waste in landfills generates, methane, a potent greenhouse gas. By composting wasted food and other organics, methane emissions are significantly reduced.
- Compost reduces and, in some cases, eliminates the need for chemical fertilizers.
- Compost promotes higher yields of agricultural crops.
- Compost can help aid reforestation, wetlands restoration, and habitat revitalization efforts by improving contaminated, compacted, and marginal soils.
- Compost can be used to remediate soils contaminated by hazardous waste in a cost-effective manner.
- Compost can provide cost savings over conventional soil, water and air pollution remediation technologies, where applicable.
- Compost enhances water retention in soils.
- Compost provides carbon sequestration.



\*EPA.gov

# Landfill #6



\*Source CalRecycle



*Thank You*

*For Questions & Comments Please Contact Blake Ludeman  
@ [Bludeman@iwpusa.com](mailto:Bludeman@iwpusa.com) or (951)255-2258*

*“At IWP, we take pride in how we impact our environment daily” – Trent Trawick, CEO*