



ROADMAP TO A SUSTAINABLE SOLID WASTE MANAGEMENT FUTURE



9/16/2015

County Inter-Departmental Working Group

Working Group Meeting Agenda

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Wednesday, September 16, 2015
9:00 A.M. – 11:00 A.M.

Welcome	(10 min)
Summary of Activities	(20 min)
Sustainable Food Waste Management Presentation	(30 min)
EPR – Pharmaceuticals	(15 min)
Annual Report to the Board	(15 min)
Open Discussion and Next Steps	(15 min)

Summary of Activities

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□ County Operations

- ISD waste hauling contracts for departments
- Survey for all departments to determine current recycling activities
- Organics Pilot at DPW HQ
- Surplus Program Connection

Summary of Activities

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- County Unincorporated Communities
 - Organics
 - Food Donation
 - CalRecycle Report
 - [Link to Report](#)
 - Smart Business Recycling

Summary of Activities

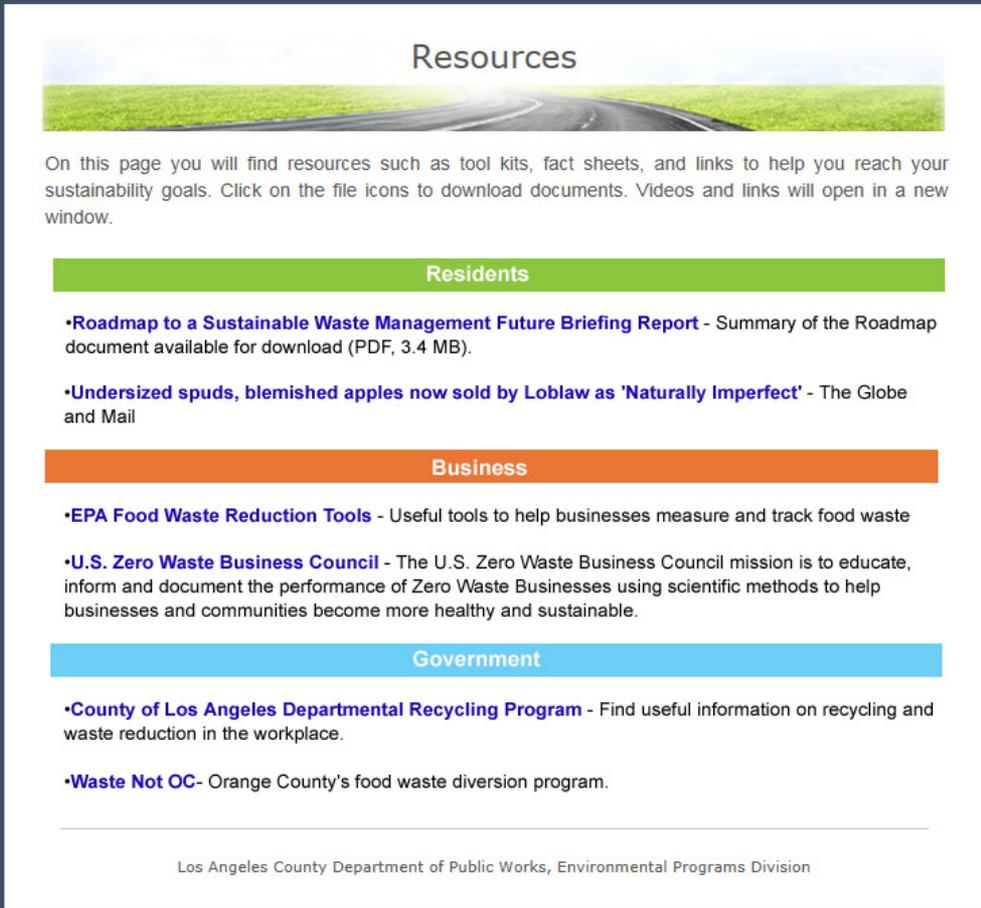
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- Regional/Countywide
 - Mass Debris Management Planning
 - Conversion Technology Update
 - www.SoCalConversion.org
 - Organics

Summary of Activities

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□ Outreach and Education



Resources

On this page you will find resources such as tool kits, fact sheets, and links to help you reach your sustainability goals. Click on the file icons to download documents. Videos and links will open in a new window.

Residents

- [Roadmap to a Sustainable Waste Management Future Briefing Report](#) - Summary of the Roadmap document available for download (PDF, 3.4 MB).
- [Undersized spuds, blemished apples now sold by Loblaw as 'Naturally Imperfect'](#) - The Globe and Mail

Business

- [EPA Food Waste Reduction Tools](#) - Useful tools to help businesses measure and track food waste
- [U.S. Zero Waste Business Council](#) - The U.S. Zero Waste Business Council mission is to educate, inform and document the performance of Zero Waste Businesses using scientific methods to help businesses and communities become more healthy and sustainable.

Government

- [County of Los Angeles Departmental Recycling Program](#) - Find useful information on recycling and waste reduction in the workplace.
- [Waste Not OC](#) - Orange County's food waste diversion program.

Los Angeles County Department of Public Works, Environmental Programs Division

□ Website Resource Page

- [Roadmap Briefing Report](#)
- [EPA Food Waste Reduction Tools](#)
- [County of LA Departmental Recycling Program](#)

Summary of Activities

Outreach and Education

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- **Roadmap Logo**



- **Website - <http://dpw.lacounty.gov/epd/Roadmap/index.cfm>**

Summary of Activities

Outreach and Education

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- ▣ Recycling Challenge
 - [Video of First Pitch](#)





SUSTAINABLE FOOD MANAGEMENT: CHALLENGES AND SOLUTIONS

SEPTEMBER 16TH, 2015



Changing how we think about our resources today for our children's tomorrow

U.S. Environmental Protection Agency



Questions for County of L.A.

- What gaps does the County have in advancing the prevention, donation, and recycling of wasted food?
- What actions can the County and EPA take together in the advancement of the County's food recovery goals?

ANNUAL GLOBAL FOOD WASTE



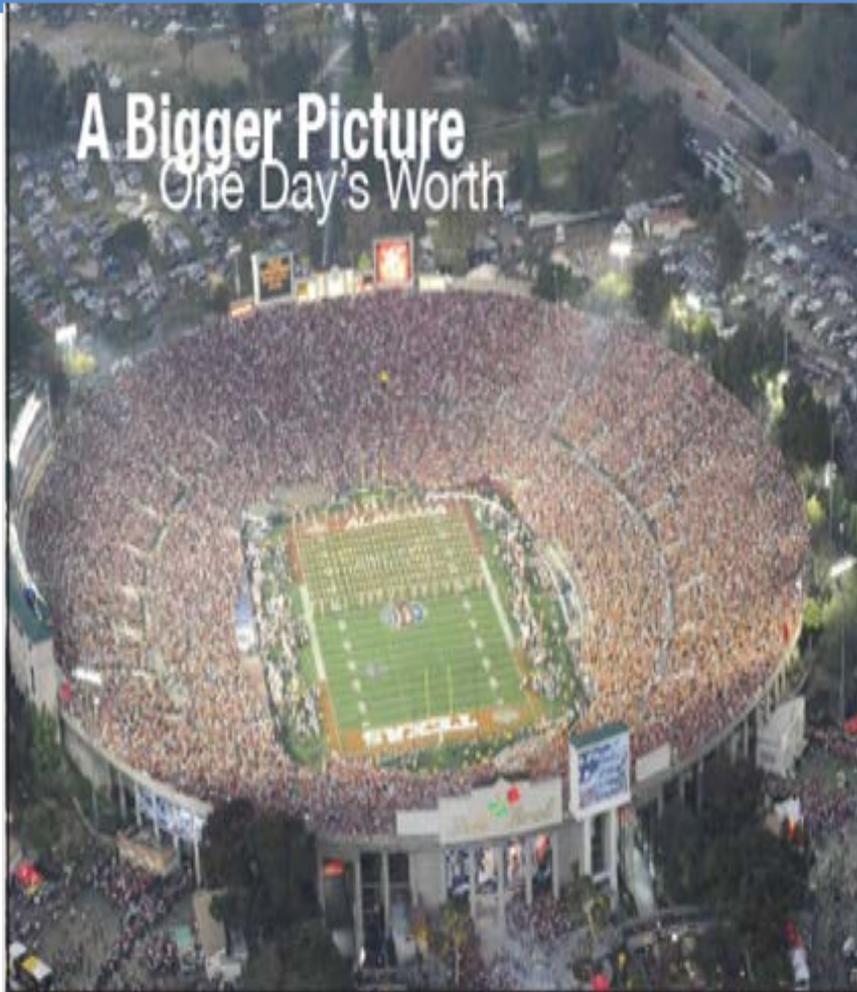
THE CHICAGO COUNCIL
ON GLOBAL AFFAIRS

thechicagocouncil.org/globalag

#GlobalAg

Source: UN Food and Agriculture Organization (FAO)

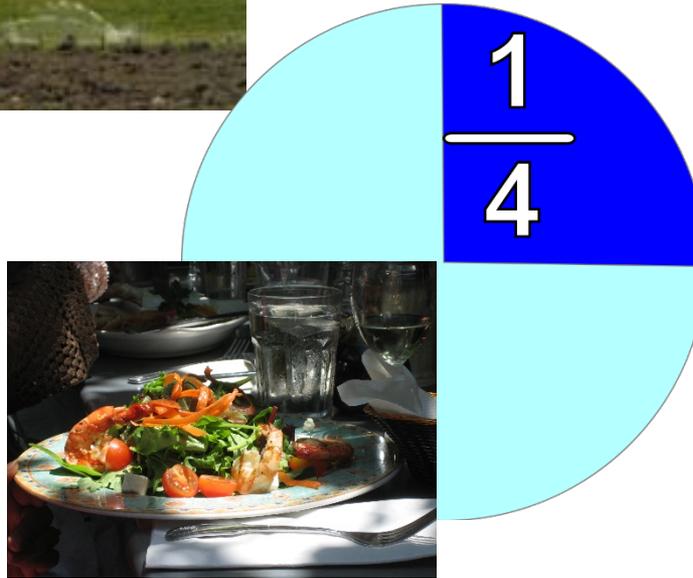
Food is simply too good to waste!



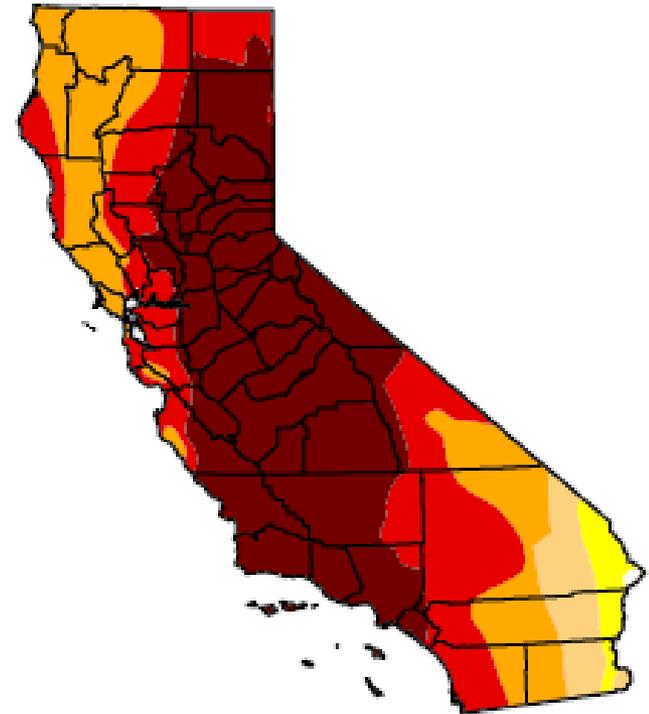
- 40% of food is wasted in the U.S.
- Costs U.S. households **\$165 billion annually.**
- **1 in 6 Americans** lack a secure supply of food.

(Sources: USDA, EPA, FAO. Photo Credit: Jonathan Bloom)

To grow **wasted** food: we use about **25%** of our freshwater.

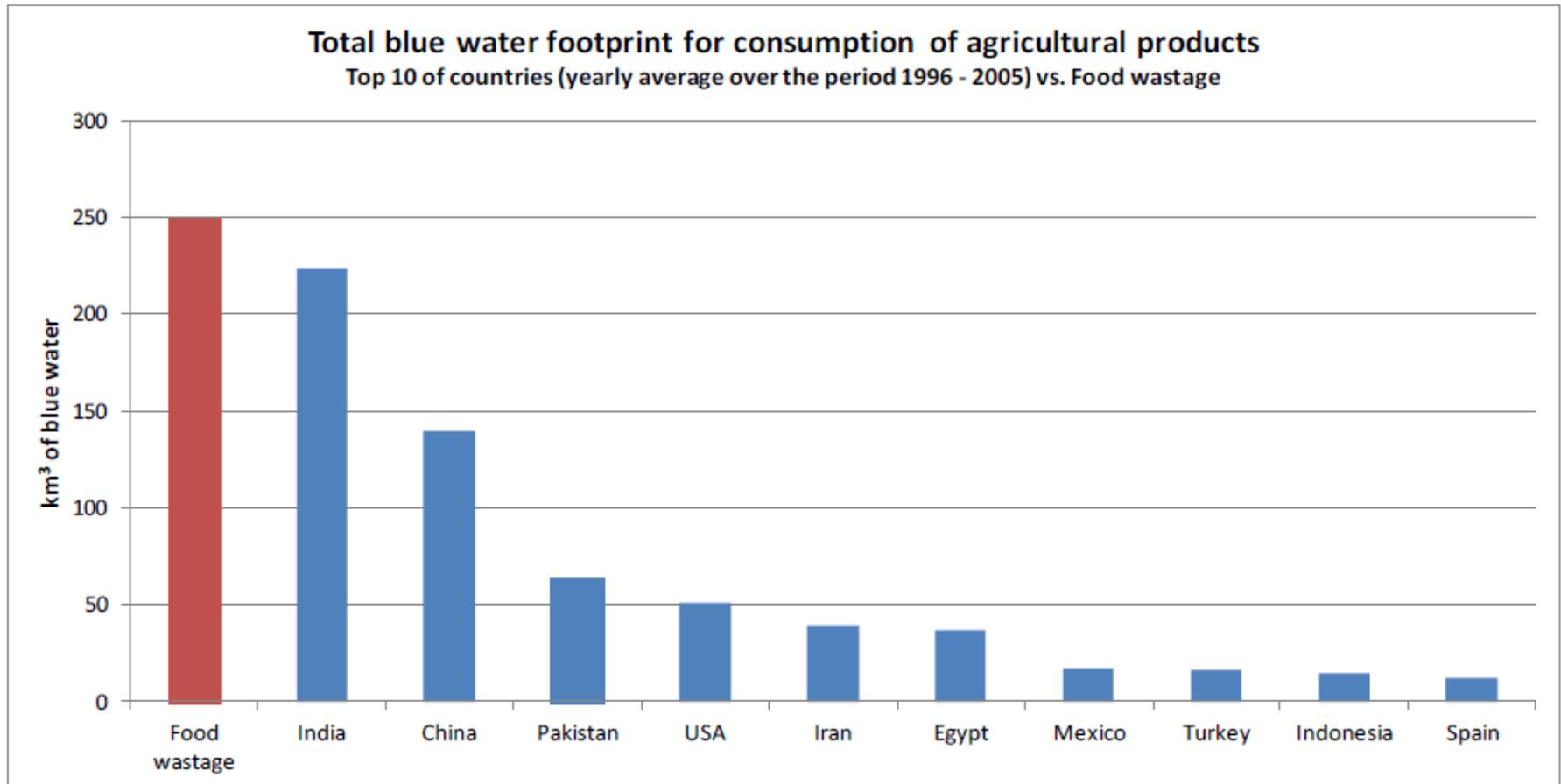


U.S. Drought Monitor
California



If food wastage were a country....

Water



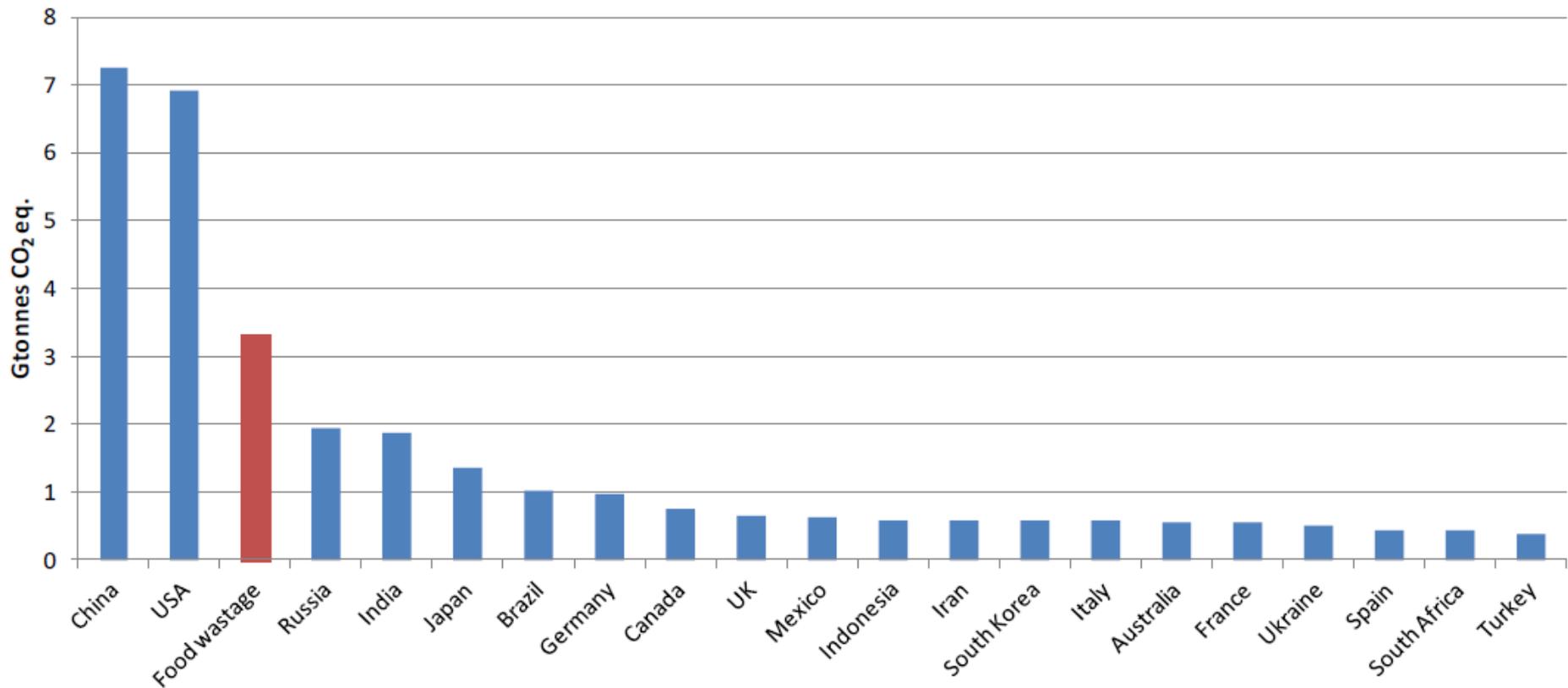
A week's worth of power



If food wastage were a country....

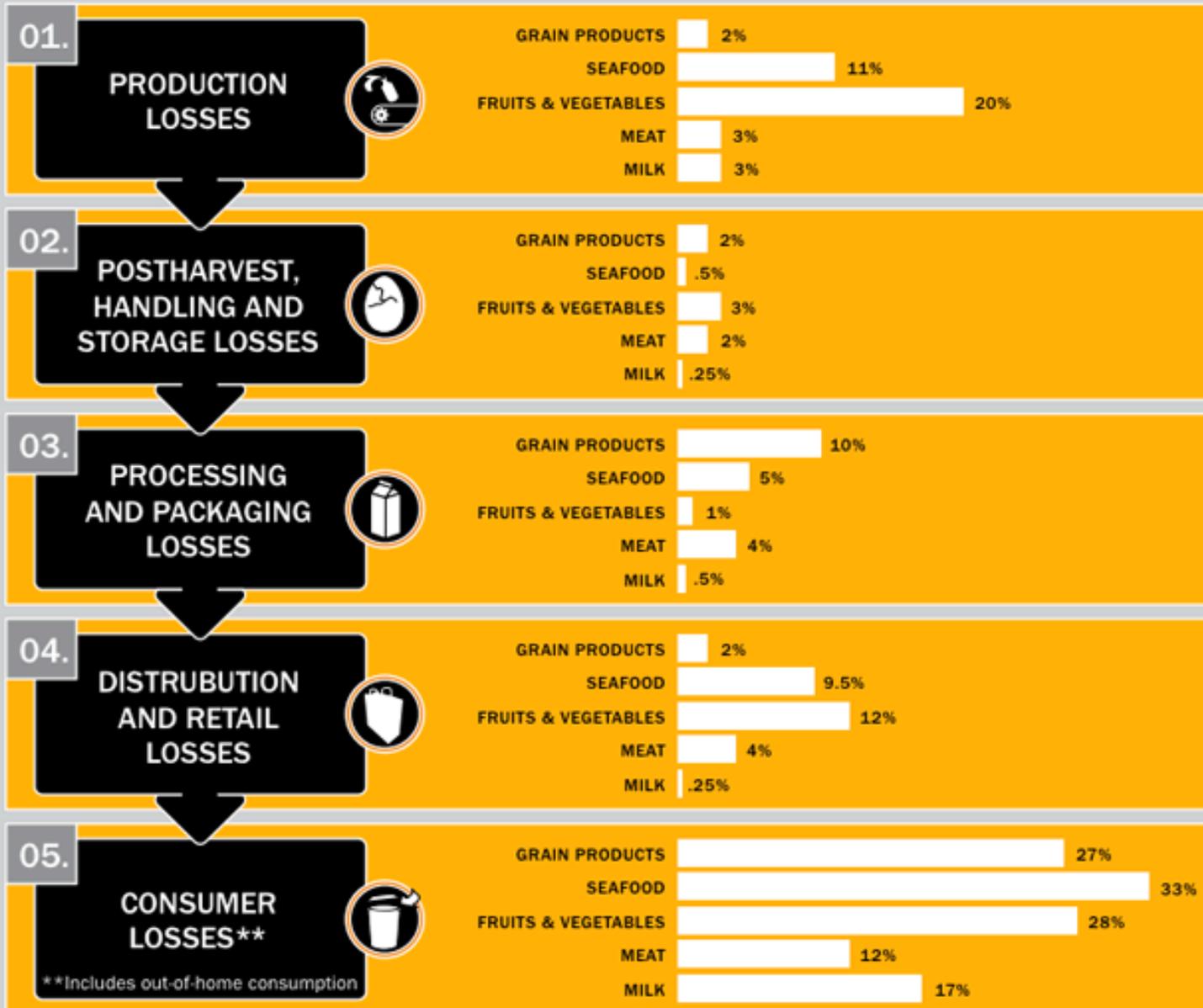
GHG Emissions

Total GHGs emissions excluding LULUCF
Top 20 of countries (year 2005, WRI) vs. Food wastage



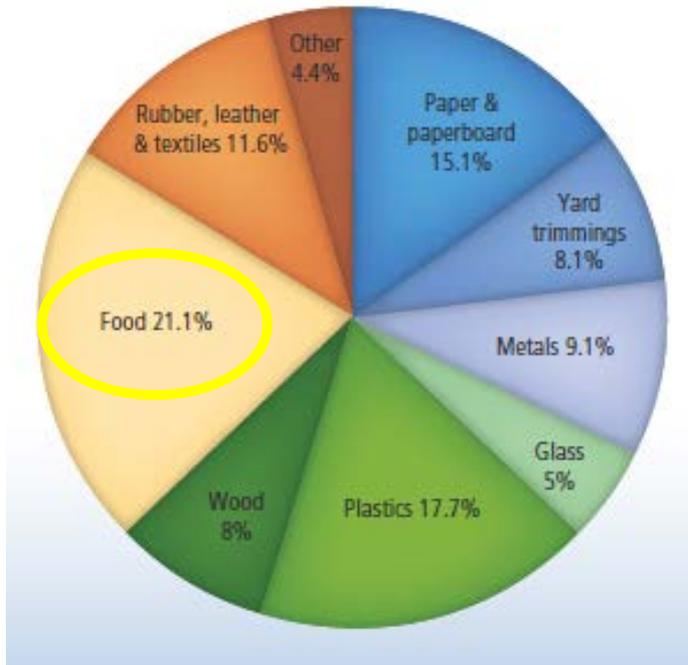
NORTH AMERICAN* FOOD LOSSES AT EACH STEP IN THE SUPPLY CHAIN

*Percentages calculated collectively for USA, Canada, Australia, and New Zealand.



Our largest waste stream is the least recycled waste stream.

Total MSW Discards (after recycling)



Total MSW Recovery (by material)





Food Recovery Hierarchy

Most Preferred

Source Reduction

Reduce the volume of surplus food generated

Feed Hungry People

Donate extra food to food banks, soup kitchens and shelters

Feed Animals

Divert food scraps to animal feed

Industrial Uses

Provide waste oils for rendering and fuel conversion and food scraps for digestion to recover energy

Composting

Create a nutrient-rich soil amendment

Landfill/ Incineration

Last resort to disposal

Least Preferred



Who is this man?

- Bill Emerson Good Samaritan Food Donation Act
 - A [food donor] shall not be subject to civil or criminal liability arising from the nature, age, packaging, or condition of apparently wholesome food or an apparently fit grocery product [donated/received] in good faith for ultimate distribution to needy individuals.



Food Donors: Liability Protection

- University of Arkansas, School of Law
 - “...a thorough search of filings and review of reported decisions did not turn up a single case that involved food donation-related liability...”





Wastes - Resource Conservation

Wastes Home
Resource Conservation Home
SMM Home
Federal Green Challenge
Food Recovery Challenge
Electronics Challenge
Information Resources
Laws & Regulations
Educational Materials
Planet Protectors For Kids!

Wastes - Resource Conservation

You are here: [EPA Home](#) » [Wastes](#) » [Resource Conservation](#) » [Sustainable Materials Management](#) » [Food Recovery Challenge](#)

Sustainable Materials Management

Food Recovery Challenge



CHANGING HOW WE THINK ABOUT OUR RESOURCES FOR A BETTER TOMORROW

The Food Recovery Challenge (FRC) is part of EPA's Sustainable Materials Management Program, which seeks to reduce the environmental impact of materials through their entire life cycle, including how they are extracted, manufactured, distributed, used, reused, recycled, and disposed. Through the FRC, the EPA is partnering with organizations and businesses to [prevent and reduce wasted food](#). Challenge participants save money, help communities, and protect the environment by purchasing less, [donating extra food](#), and [composting](#).



Join the FRC

[Learn about](#) the benefits of joining and how to join as a participant or endorser.



Participants have [resources](#) available to help reduce wasted food, track data, and achieve goals.

What You Can Do

If you are a consumer, learn more about [how you can reduce](#) wasted food too.

A Complementary Challenge – U.S. Food Waste Challenge

The EPA and the U.S. Department of Agriculture (USDA) have joined forces in the [U.S. Food Waste Challenge](#) to raise awareness of the environmental, health and nutrition issues created by wasted food. Current and new FRC participants can join the U.S. Food Waste Challenge.

Why Join?

Be visible in your community by leading efforts to prevent and reduce wasted food. Get free technical assistance to help in planning, implementing, and tracking wasted food prevention and diversion activities. Your organization will be listed on both the EPA and USDA websites if you join both challenges!

WHAT'S NEW!

[2015 FRC Award Information](#)
[2014 FRC Award Winners Announced](#)
Video: See what food banks and the grocery industry is saying about the Food Recovery Challenge
[EXIT Disclaimer](#) 

Participant and Endorser Information

- Current Participants and Endorsers
- 2014 FRC Award Winners Announced
- Success Stories

Webinars

Topic: Milestone 4: Measuring Impact
Date: April 23, 2015
Time: 1:00 PM - 3:00 PM (EST)
[Webinar Registration](#) [EXIT Disclaimer](#)

[Sustainable Food Management Webinar Archive](#)



EPA's Sustainable Materials Management Program seeks to reduce the environmental impact of a material throughout its entire life cycle, including how it is extracted, manufactured, distributed, used, recycled, and disposed. We are conserving resources for future generations by changing the way our society protects the environment.
[Learn more.](#)

Participants and Endorsers

- **Participants** track and reduce wasted food.
- **Endorsers** promote sustainable food management.



Sustainable Materials Management

Food Recovery Challenge



Changing how we think about our resources today for our children's tomorrow

Who's who in the Food Recovery Challenge?

- 790 participants and endorsers, nationwide.



A Guide to Conducting and Analyzing a Food Waste Assessment

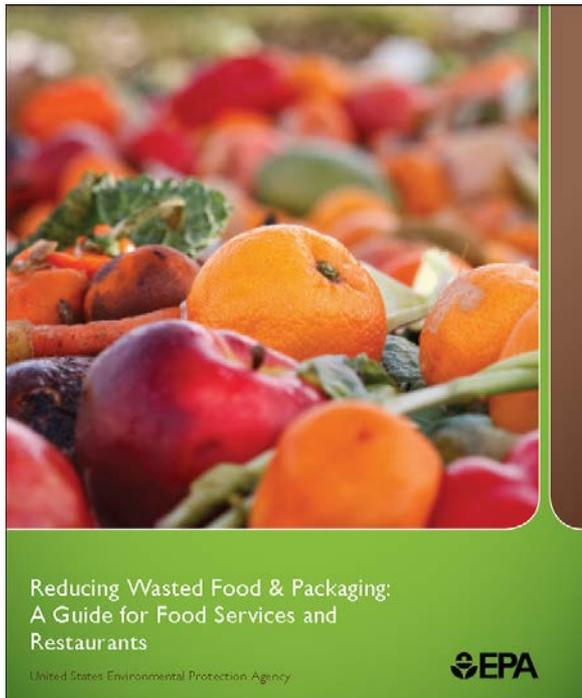
March 2014

epa.gov/foodscraps/tools



EPA's Reducing Wasted Food & Packaging Toolkit

2 resources in 1 toolkit: a [PDF guide](#) and a programmed [Excel spreadsheet](#)



PDF guide: http://www.epa.gov/foodrecovery/docs/reducing_wasted_food_pkg_tool.pdf

Excel tracking spreadsheet: http://www.epa.gov/waste/conserve/foodwaste/docs/foodwaste_audit_tool.xlsm





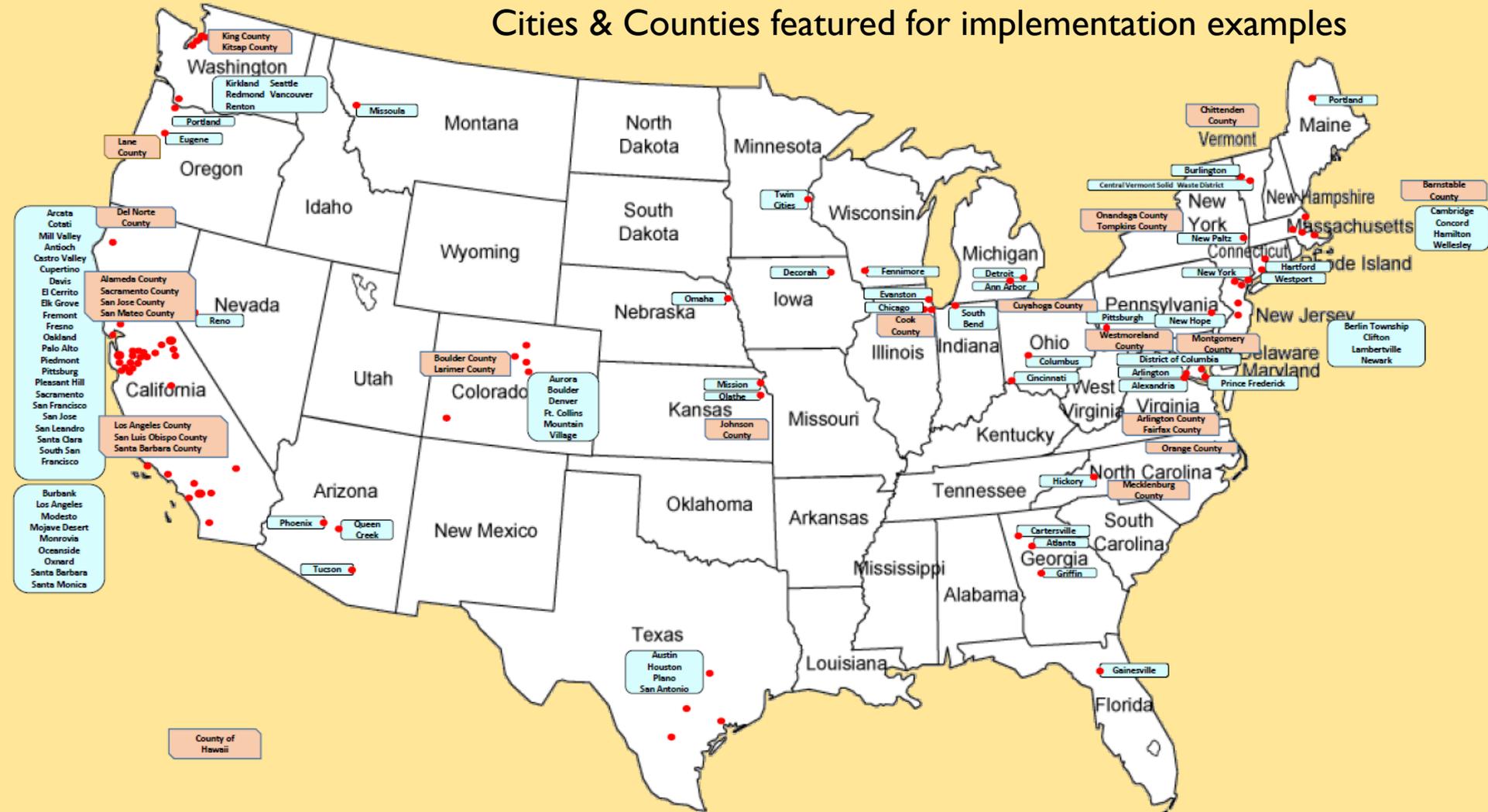
Managing and Transforming Waste Streams – A Tool for Communities

Charting a Path Towards Zero Waste

A sortable, filterable table featuring 100 policies & programs and over 240 implementation examples from communities, along with links to informational resources

<http://www2.epa.gov/managing-and-transforming-waste-streams-tool-communities>

Cities & Counties featured for implementation examples



Snapshot

#	▲ Hide	High-light	Policy or Program	Policy or Program Description	Sector(s) ?	Material or Product Group ?	Diversion Potential ?	Upstream Impacts ?	Local Authority ?	Receptivity ?	Staff Knowledge ?	Community Led Initiatives ?
			<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	All ▾	All ▾	All ▾	All ▾	All ▾	All ▾
1	<input type="checkbox"/>	<input type="checkbox"/>	High Diversion Goal/Plan	Adopt a goal and plan for reaching 50% or more diversion from landfilling and combustion by a specific year through reduce and reuse as well as recycling and composting. Examples and Resources	Community	All	Med	Med	Med	Med	Med	Easy
2	<input type="checkbox"/>	<input type="checkbox"/>	Zero Waste Goal/Plan	Adopt a goal and plan for reaching 90% or more diversion from landfilling and combustion by a specific year through reduce and reuse as well as recycling and composting. Consider renaming the Solid Waste Department to the Zero Waste Department. Examples and Resources	Community	All	High	High	Med	Diff	High	Easy
3	<input type="checkbox"/>	<input type="checkbox"/>	Goal Integration Across Plans	Make linkages between achieving high diversion and how this would serve objectives of other plans for the community, including Climate Action, Sustainability, General and Economic Development Plans. Examples and Resources	Community	All	Med	Med	Med	Easy	Med	Easy
4	<input type="checkbox"/>	<input type="checkbox"/>	Zero Waste Goals for Organics	Adopt a Zero Food Waste hierarchy; adopt a goal to phase out compostable organics from refuse collection and from entering local transfer stations landfills or incinerators. Examples and Resources	Community	Organics	High	Med	High	Diff	Med	Med

<http://www2.epa.gov/managing-and-transforming-waste-streams-tool-communities>

Implementation Examples & Resources

53. Food Scraps Collection Program with Private Haulers

Sector: ICI

Initiate a sign-up program for businesses and institutions that discard food scraps to obtain compost bins and collection service.

Examples

- **Eugene, OR**

The City developed a program for businesses to sign up for food scraps collection service from private haulers at rates 20% below commercial garbage rates; the City also offers free on-site training to business employees

[Commercial Food Waste Collection](#)

- **Cambridge, MA**

The City partnered with a local hauler to establish a route to collect food scraps from participating commercial and institutional customers

[Commercial Compost Collection](#)

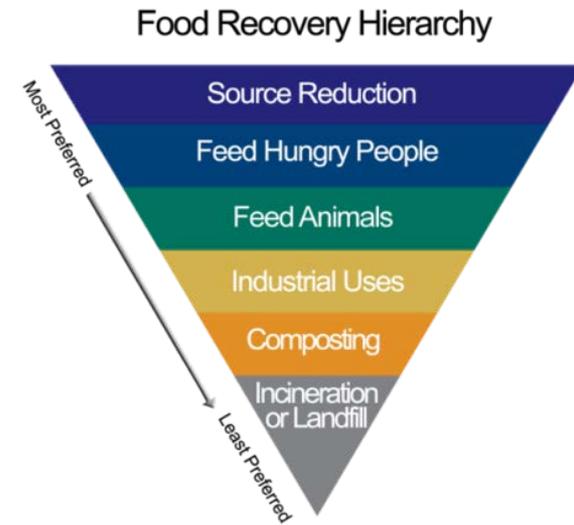
Resources

- [Eugene's outreach materials for commercial food waste](#)

Take Food Recovery Action Now!



- Measure your wasted food.
- Implement source reduction & donation.
- Participate in the Food Recovery Challenge.



[EPA.GOV/FOODRECOVERY](https://www.epa.gov/foodrecovery)

André Villaseñor – villasenor.andre@epa.gov

213-244-1813

Sustainable Materials Management

Food Recovery Challenge



Changing how we think about our resources today for our children's tomorrow

Questions for County of L.A.

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Extended Producer Responsibility in Los Angeles County

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On June 2, 2015, the Board of Supervisors adopted a motion by Supervisor Antonovich which directed DPW, DPH, DHS, CEO, ISD, DMH, County Counsel, Sheriff, and CSD to:

- Investigate options
- Partner with pharmaceutical industry
- Actively support EPR legislation at State level
- Investigate feasibility of adopting EPR Ordinance for pharmaceuticals
- Investigate feasibility of utilizing the County's purchasing power
- Report back within 4 months with findings and recommendations

Report to the Board

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On July 2, DPW submitted a report to each Supervisor regarding the feasibility of adopting a pharmaceutical take-back Ordinance and utilizing the County's purchasing power

- ▣ The report included:
 - Information on current health, safety, and environmental issues related to pharmaceuticals and sharps
 - Information on existing EPR pharmaceutical programs
 - Options to facilitate proper disposal of pharmaceuticals
 - Recommendations

Board Motion

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On August 11 the Board approved a Motion by Supervisors Antonovich and Solis which:

- ▣ Directed the CEO, in collaboration with the County's Sustainability Council and the Pharmaceutical Working Group to:
 - Initiate stakeholder engagement
 - Draft an ordinance
 - Return to the Board in six months (February)
 - Stakeholder process must be undertaken before the ordinance is drafted

Next Steps

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Stakeholder Engagement

- ▣ Monday, September 28, 2015 (Focused Stakeholders)
 - 10:00 a.m. – 11:30 a.m.
- ▣ Monday, September 28, 2015 (Public)
 - 1:30 p.m. – 4:30 p.m.

Draft Ordinance

- ▣ Interim CEO, Sustainability Council, and EPR Working Group
- ▣ Submit to Board for consideration by February 2, 2016

Report to the Board

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<u>Date</u>	<u>Board Report Milestones</u>
9/14 – 9/17/2015	Incorporate CEO's comments
9/21/2015	Provide draft to Department Heads for comment
9/28/2015	Deadline for Department Heads to submit comments
9/30/2015	Report finalized
10/1/2015	To Sustainability Council for approval
10/5/2015	Public Works to submit to Board

Open Discussion and Next Steps

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**Thank you for your
participation.**

Upcoming Meetings

- Subcommittee Meetings – October 22, 2015
- Working Group Meeting – December 9, 2015

