



GrassRoots Recycling Network

www.grrn.org

Targeting Zero Waste on a Local Level

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GrassRoots Recycling Network

&

The Zero Waste Brain Trust

A Program of LITE Initiatives and GrassRoots Recycling Network

New York Solid Waste Management Association

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37 Million Hits on Google!

Zero Waste in Nutshell

- ❑ Source Reduction On Steroids
- ❑ All Materials Are Resources
- ❑ No Resources Wasted
- ❑ All Goods Designed For Reuse/Recovery
- ❑ Highest & Best Use
- ❑ No Burn, No Bury
- ❑ No Toxic Emissions



ZWIA Definition



Zero Waste is ethical, economical, efficient and visionary goal that guides people in changing their lifestyles and practices to emulate sustainable natural cycles, **where all discarded materials are designed to become resources for others to use.**

Zero Waste means designing and managing products and processes to systematically avoid and eliminate the volume and toxicity of waste and materials, conserve and **recover all resources**, and **not burn or bury them.**

Implementing Zero Waste will **eliminate all discharges to land, water or air** that are a threat to planetary, human, animal or plant health.

ZWIA, 2004

EPA's Sustainable Materials Management Approach

- ❑ Use materials in the most productive way with an emphasis on using less.
- ❑ Reduce toxic chemicals and environmental impacts throughout the material life cycle.
- ❑ Assure we have sufficient resources to meet today's needs and those of the future.



US Zero Waste Communities

Atlanta, GA

Austin, TX

Boulder City & County, CO

Central Vermont Waste
Management District

Chicago, IL

Fort Collins, CO

Kaua'i County, HI

Hawaii County, HI

Logan County, OH

Seattle, WA

Sedona, AZ

Telluride, CO

Washington, DC

25+ California cities –

including San

Francisco, Oakland,

Berkeley, Emeryville,

Alameda, San Jose,

Los Angeles

The states of California,

Connecticut, Delaware,

Massachusetts Oregon,

Rhode Island,

Vermont...

Plus many more...

Recognition & Certification



Environment

Founding Members Of The US Zero Waste Council



Businesses That Have Adopted Zero Waste

Allison Transmission
Anheuser-Busch, Fairfield, CA
Apple Computer, Elk Grove, CA
Atlanta Zero Waste Zone, GA
Bohemian Café, SF CA
Burt's Bees
Chico Bag
Epson, OR
Fetzer Vineyards, CA
Freightliner Custom Chassis Corp
[Fulton Farmers Market](#), MN
GAF, Cummings GA
General Motors
Greens Restaurant, SF CA
Herman Miller
Hewlett-Packard, Roseville, CA
Honda Motor Company
Hop Works Urban Brewery, OR
[Ithaca Farmers Market](#), NY
[Kenai Sports](#), CT
Mad River Brewery
Mill City Farmers Market, MN

New Belgium Brewery
New Chicago Brewing Company
Piazza Produce
Pillsbury
Playa Vista, Los Angeles, CA
Purdy Professional Painting Tools
Ricoh Electronics
San Diego Wild Animal Park
Scoma's Restaurant, SF, CA
[Shick](#)
[Subaru of Indiana](#)
SUPERVALU
[The Plant](#)
Toyota
Vandenberg Air Base
Vons-Safeway
Whole Foods, So CA
Xerox Corporation

Plus many more...

Why Become A ZWC?

Economic Development

Green Businesses And Green Jobs

Eco-Tourism/Green Marketing

Reinvest Financial Resources Locally



Why Become A ZWC?

Reinvest Material Resources Locally

Develop New Markets

Provide More Services i.e., Food Scrap
Composting

Reduce Disposal Costs

Capacity, Siting Or Facility End Of Life Issues

New Palz, NY

Goal: Zero Waste; Date TBD

Initiated Staff and BOS



2010: Recycling Center expanded to include Reuse, estimated to divert 10 tons/year

2011: EPA Zero Waste Community Pilot Resolution

2012: EPA Zero Waste Initiative Pilot Begins

2012: Draft Zero Waste Action Plan

2012: Composting Pilot with the SUNY and Stop & Shop diverting 420 tons over 7 months.

2013: New green businesses popping up including haulers and composters, Tool Lending Library and Repair Cafes

Tompkins County, NY



Goal: 75% diversion by 2020.

Currently at 65+%

Initiated Staff and BOS

1988: Public landfill closes and is not replaced

1992 - Ongoing: Community investment:

- Mandatory Recycling Ordinance

- Pay As You Throw (PAYT)

- Finger Lakes Community ReUse

- ReBusiness Partner Program

- Finger Lakes BuyGreen

- Finger Lakes Environmentally Preferred

- Procurement Consortium.

Tompkins County, NY con't

2008: Zero Waste Festival Alliance (ZWFA) provides Zero Waste Event Services to numerous local festivals. For example, in 2008 Finger Lakes Grassroots Festival diverted more than 5 tons of organics including biodegradable food service utensils and containers.

2011: [Catalog Choice for Communities](#) allows residents and businesses to stop unwanted phone books, catalogs, coupons and credit card solicitations.

2013: Residential and Rebusiness Food Scraps Recycling Pilot, Sustainability Cafés
[Tompkins County](#)

Central Vermont Solid Waste Management District

Goal: Working Toward Zero Waste

Initiated By: Staff

1994: Adopted [Waste Management and Mandatory Recycling Ordinance](#)

2003: Developed and adopted 10-Year Solid Waste Implementation Plan titled [Working Toward Zero Waste](#)

2013: State adopted [Act 148](#) - mandatory recycling by 2015 and composting by 2020

[CVSWMD](#)

Washington, DC

Goal: 80% Diversion By 2032 and Long-term Zero Waste Goal

Initiated By: Mayor

2011/2012: 700 residents in nine working groups met every other week for 4 months to identify and prioritize potential goals and actions.

2012: Released [A Vision for a Sustainable DC](#), solicited comments and hosted a series of community conversations.

2013: Released the [Sustainable DC Plan](#) which sets a goal of 80% diversion by 2032 goal and a long-term goal of zero waste to landfill.

Austin, TX

Goal: Zero Waste by 2040.

Initiated By: Mayor signing the UNEP's [Urban Environmental Accords](#)

2005: City Council signed Resolution

2009: City Council adopted the first [Zero Waste Strategic Plan](#) in Texas.

2010 – 2011: Conducted stakeholder workshops and public meetings.

2011: City Council unanimously adopted the 317-page [Austin Resource Recovery Master Plan](#) which calls for the City to move from 38% waste diversion to 75% by 2020 and 90% by 2030.

[Austin Resource Recovery](#)

San Francisco, CA

Goal: Zero Waste By 2020

Initiated By: Staff

2002: Mayor signs [Resolution Adopting Zero Waste Goal](#)

2003: Commission on the Environment signs [Resolution Setting Zero Waste Date](#)

2005: Initiated the [Urban Environmental Accords](#) and established the [SF Environment Code](#) which begins with the Precautionary Principle – Do No Harm.

2006 - 2009: [Construction and Demolition Debris Recovery Ordinance](#), [Food Service Waste Reduction Ordinance](#) and [Mandatory Recycling and Composting Ordinance](#)

2010: [Zero Waste Plan Update](#) – two pages.



[SF Environment](#)

Seattle, WA

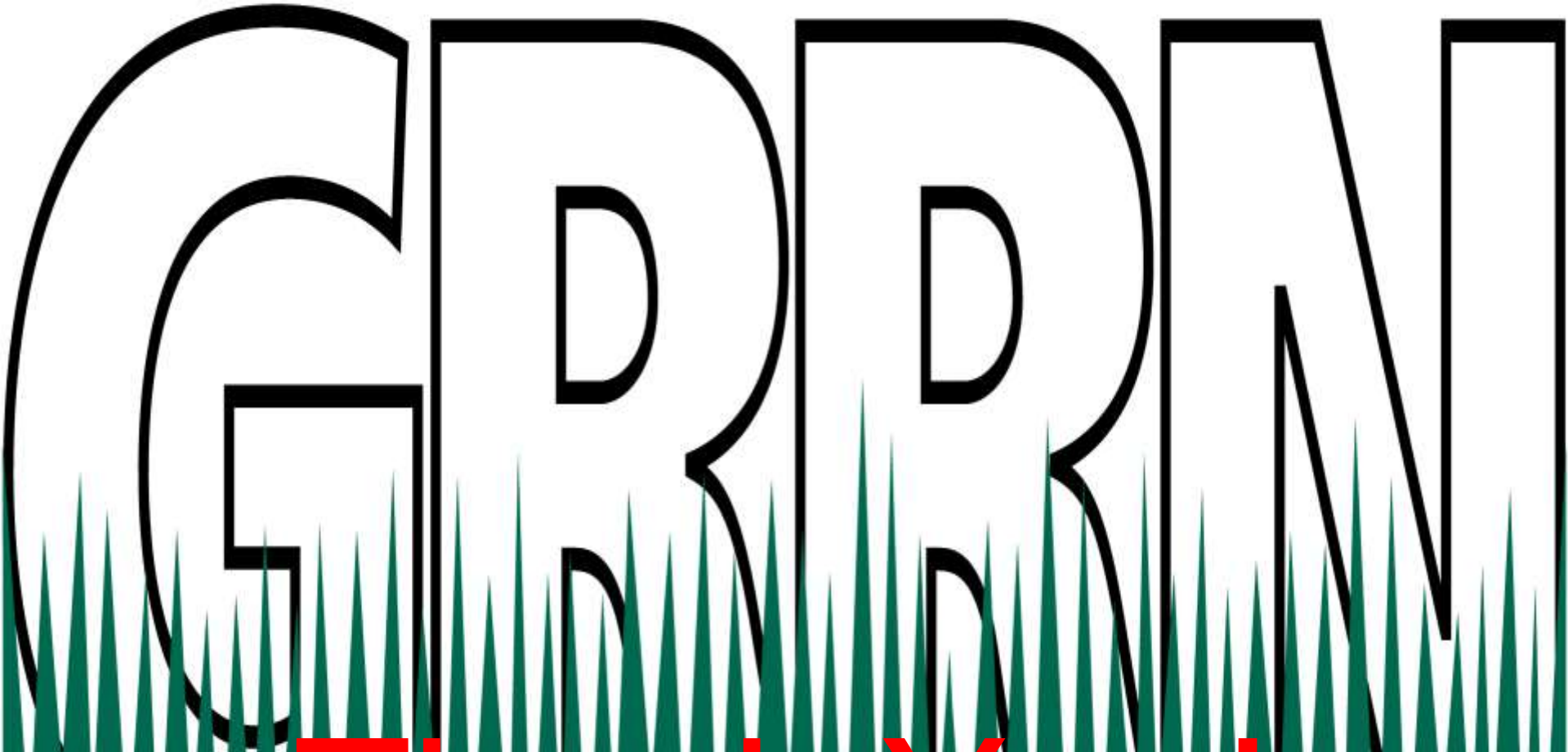
Ban: Phone Books - Seattle, WA

Initiated By: City Council member

2010: Adopted a popular resolution limiting distribution.

2011/2012: Sued by yellow pages industry group. Ninth Circuit Court of Appeals deemed protected yellow pages by First Amendment

2013: Washington Utilities and Transportation Commission decided that phone companies are no longer required to deliver the white pages to every subscriber. [Article](#)



GRAND

Thank You!

GrassRoots Recycling Network