



Corporate Sustainability Network Kick-off Event 2.9.2017



Welcome!

Cristina Hicks

JM Family Enterprises, Inc.
Environmental Sustainability Manager



Wkh#Vxvwlqdebw| #Vwhz dugv#Vwru

Network of professionals working to make Broward a more energy efficient and sustainable place to live

Sustainability Stewards come together four times a year to share success stories and discover opportunities for collaboration

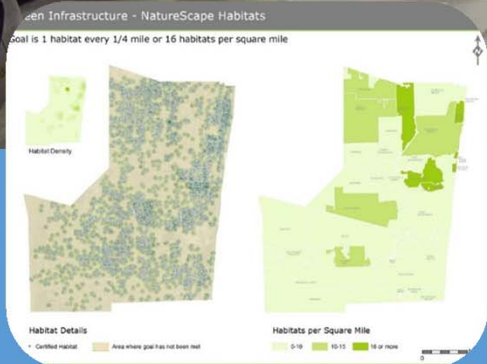
What began as a means to collect survey data has grown into a regional network of over 450 local sustainability leaders from the tri-county region

Facilitated through Broward County's
Energy and Sustainability Program



Technical Workshops

Green Infrastructure Maps Analysis



Fracking and South Florida



Economic Models for Urban Farming



Integrated Workshops

Hands on Learning



Coastal Vulnerability and Nature-based Defense Strategies



James Byrne, The Nature Conservancy
jbyrne@tnc.org



Bridging Communities of Practice

Artists, Developers,
Community Planners,
and Engineers



SUSTAINABILITY STEWARDS DAY OF ACTION

Friday, August 19th 8:30AM - 12:30PM



This was our first SSB Community Volunteer Day, and it was a HUGE Success!

About 40 volunteers and staff rolled up our sleeves on a hot summer morning, to clean-up the North Fork Blueway in the County's Healthy Community Zone. In total, we removed 2.97 tones (5,940 pounds) of debris and exotics from the site!



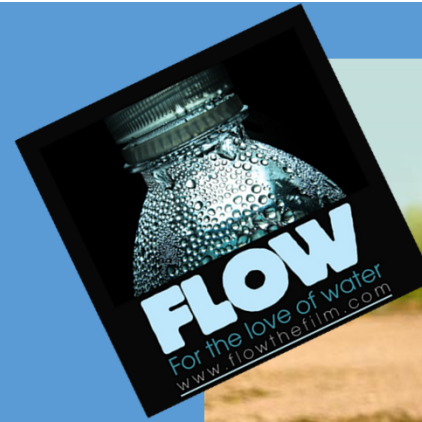
Giving Back to the Community

North Fork Blueway

Clean up and Site Restoration

Inspiring & Engaging

Night Friendly Lighting



Water Scarcity

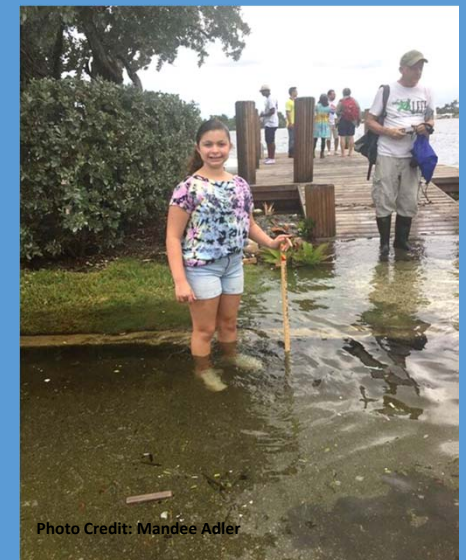
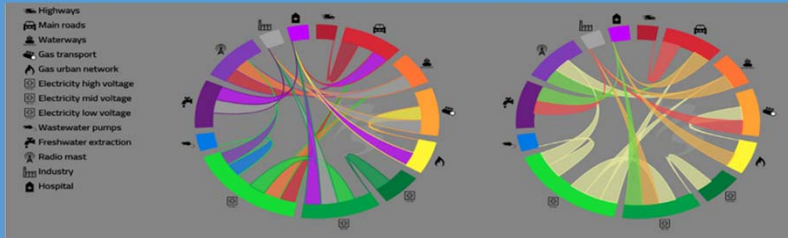


Photo Credit: Mandeel Adler

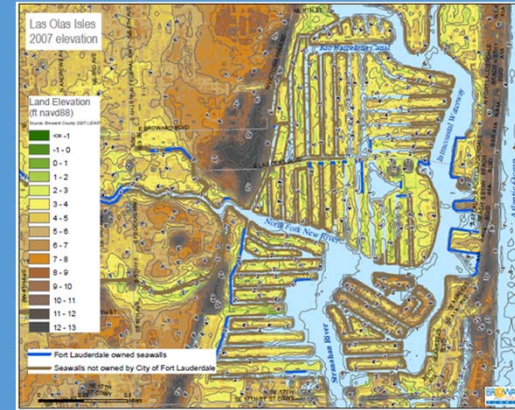
Citizen Science: Sea Level Rise Monitoring



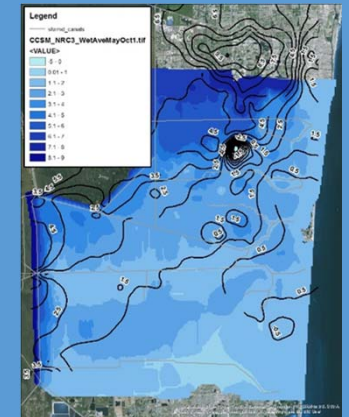
A Local Resource for World-Class Information



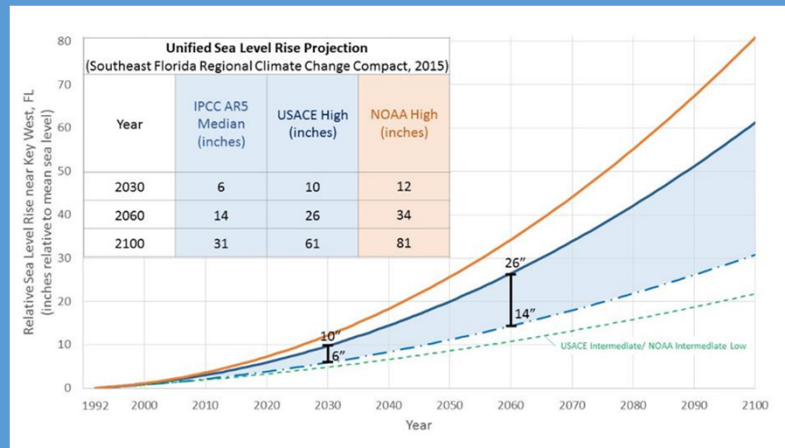
Critical Infrastructure: Relations and Consequences for Life and Environment



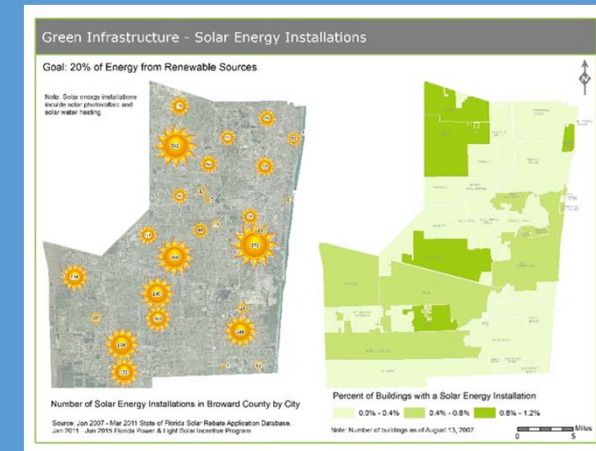
Hydrologic Modeling Flooding, Storm Surge, Salt Water Intrusion and Ground Water



Unified Sea Level Rise Projection



Renewable Energy Capacity



Today's Agenda

Corporate Sustainability Network



2.9.2017 Kick-Off

- Kahoot.it Game #1
- Ignite Presentations
- Breakout Sessions
- Breakout Sessions Report Out
- Kahoot.it Game #2
- Making the Connection: Visual Art Survey Recap
- Adjourn

Kahoot Game #1

Join at **kahoot.it**

With game-pin:

5585610

Kahoot!

Start now ▶

0
Players

Waiting for players...

Kahoot!

Game pin

Enter

Make your own at getkahoot.com



enlighten us, but make it quick



Broward PACE

Property Assessed Clean Energy

Broward County Environmental Planning and
Community Resilience Division

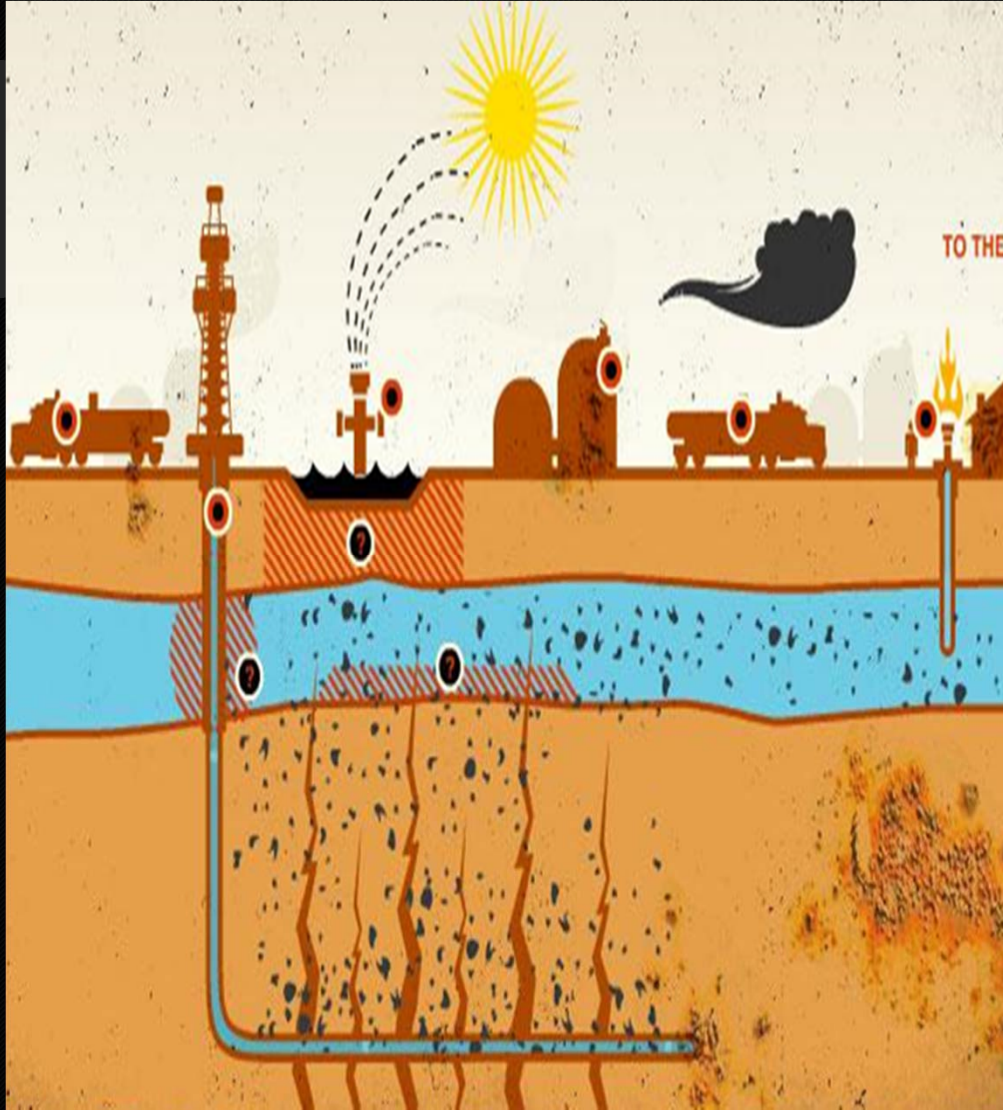
PACE

Finance energy
improvements through
property tax bill

We want to
increase solar.

Ask me why.





68%

Natural Gas



EPA

The Clean Power Plan Protects Our Environment, Health & Economy

The Clean Power Plan will cut harmful carbon pollution from the power sector that's fueling climate change.

The Plan protects our environment.

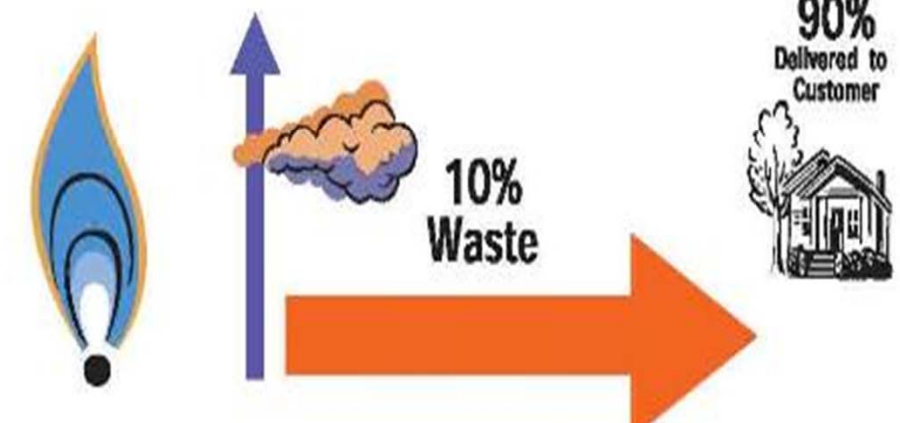
By 2030, the Plan will reduce carbon emissions from power plants by 32% below 2005 levels, or ~870 million short tons.

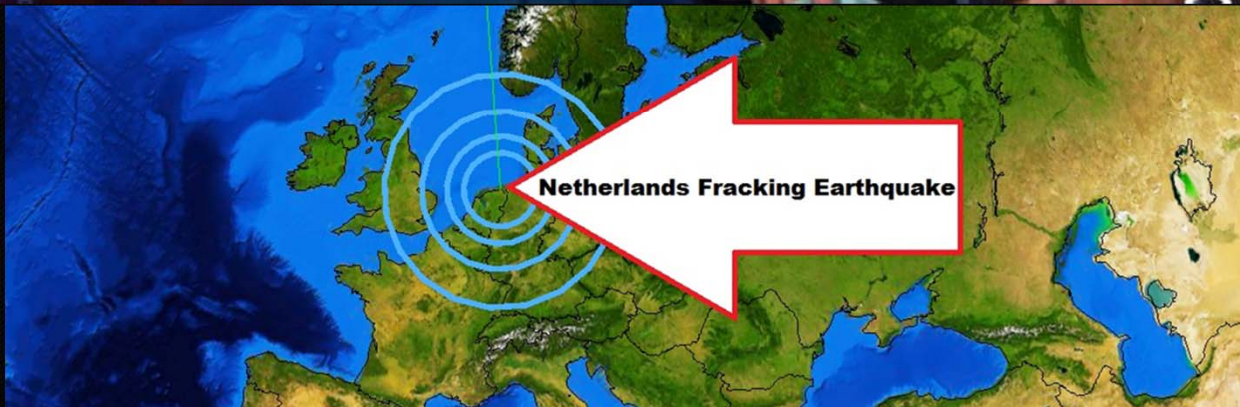
Natural Gas is Cleaner, More Efficient Than Coal-Fired Electric Power

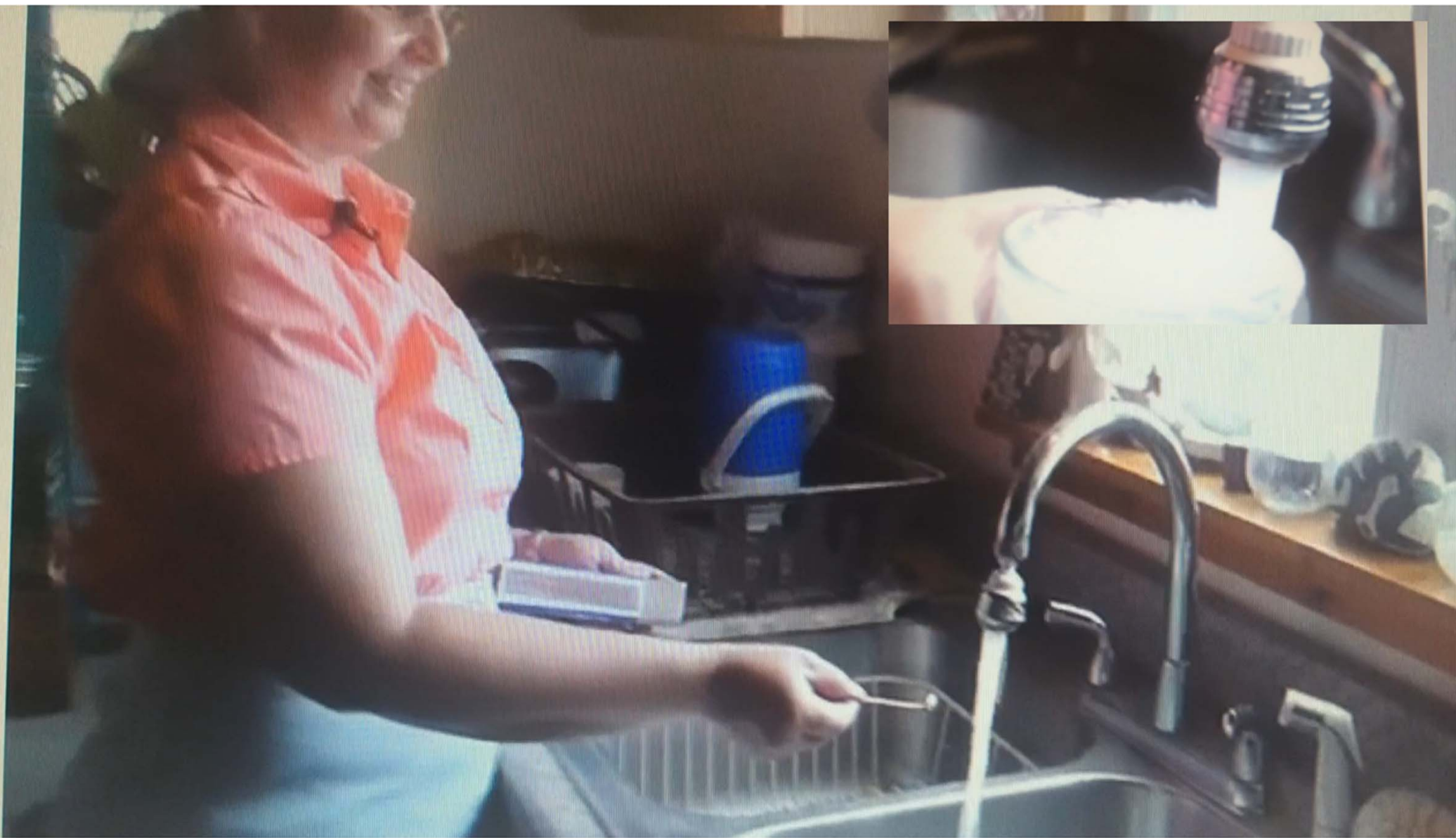
100% ELECTRICITY



100% NATURAL GAS









U.S. 'FUGITIVE' METHANE EMISSIONS (2012)
Equivalent CO₂ Emissions in Million Metric Tons (MMT)
©2014 Union of Concerned Scientists;



THAT'S EQUIVALENT
TO THE HEAT-TRAPPING
EMISSIONS FROM:

THAT'S EC
TO THE HEA
EMISSIO

35-3
AVERAG
POWER

35-314
AVERAGE COAL
POWER PLANTS

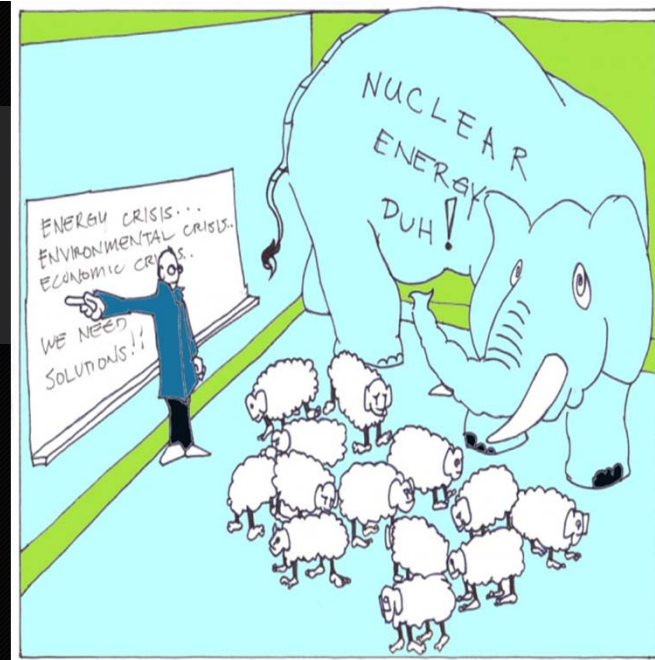


Fugitive
Methane



23%

Nuclear

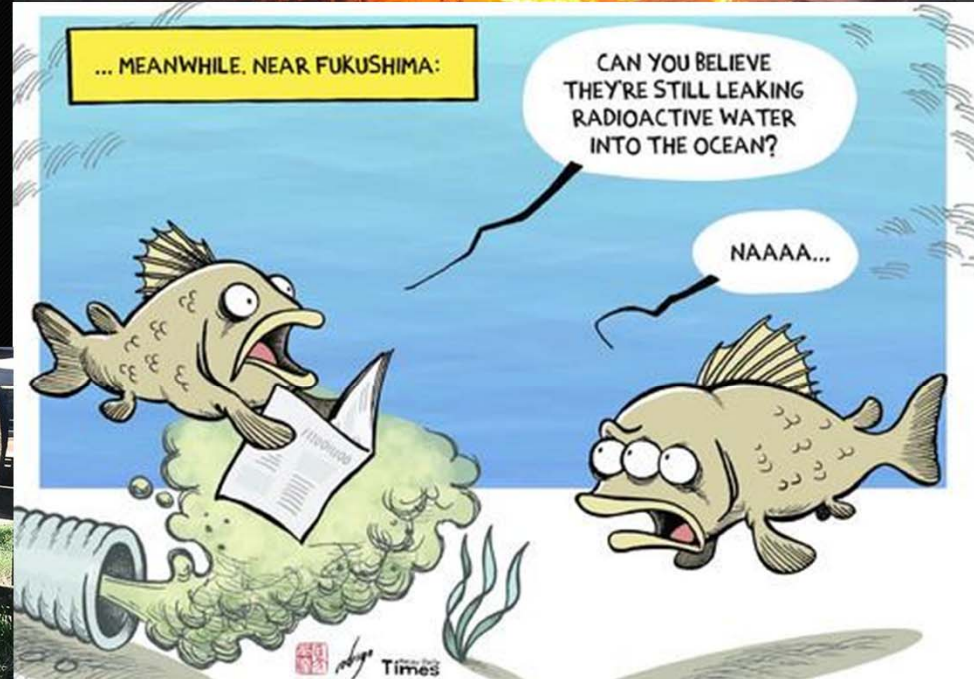


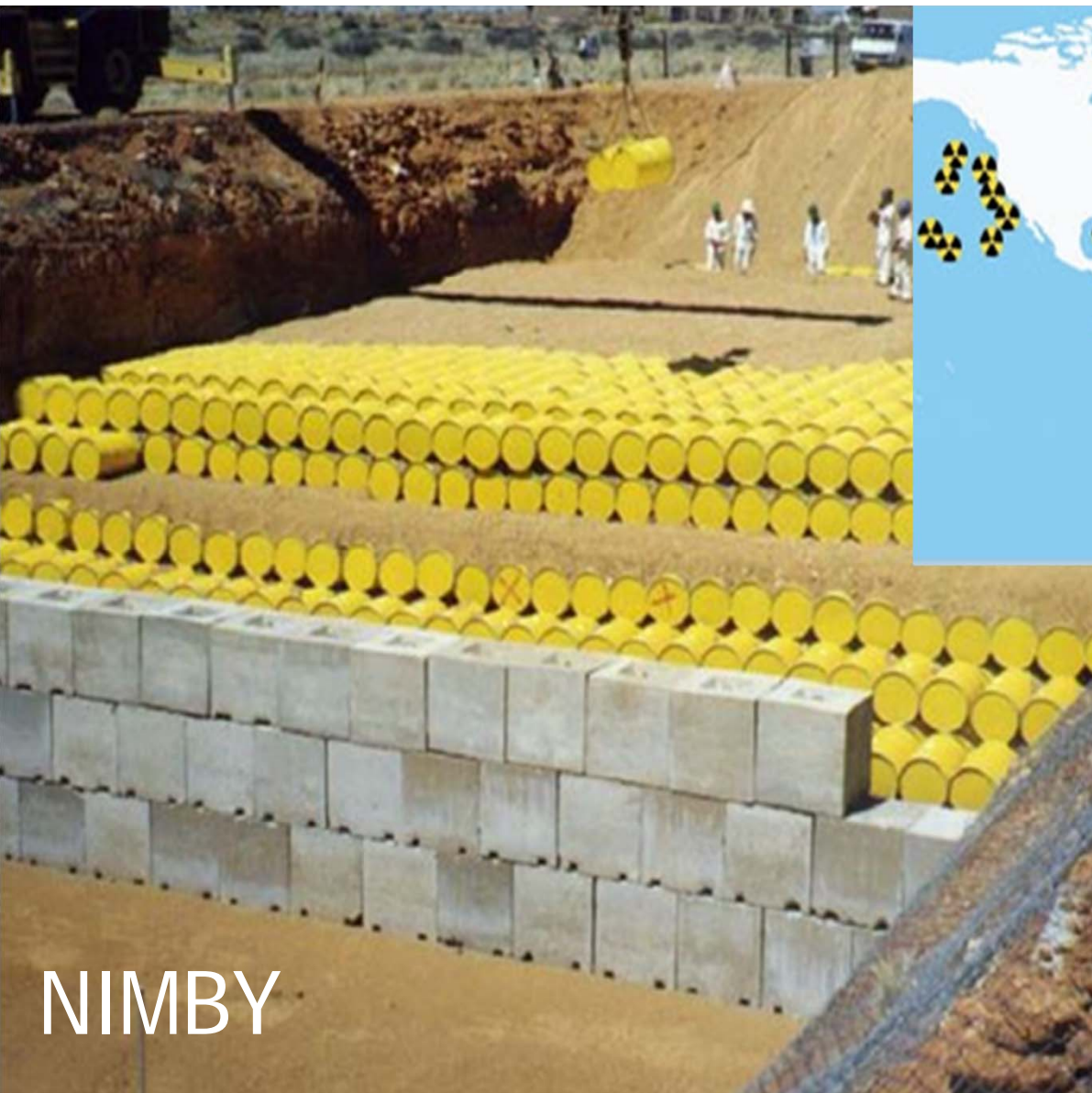
Carbon-Free

CHERNOBYL: THE SPREAD OF RADIATION



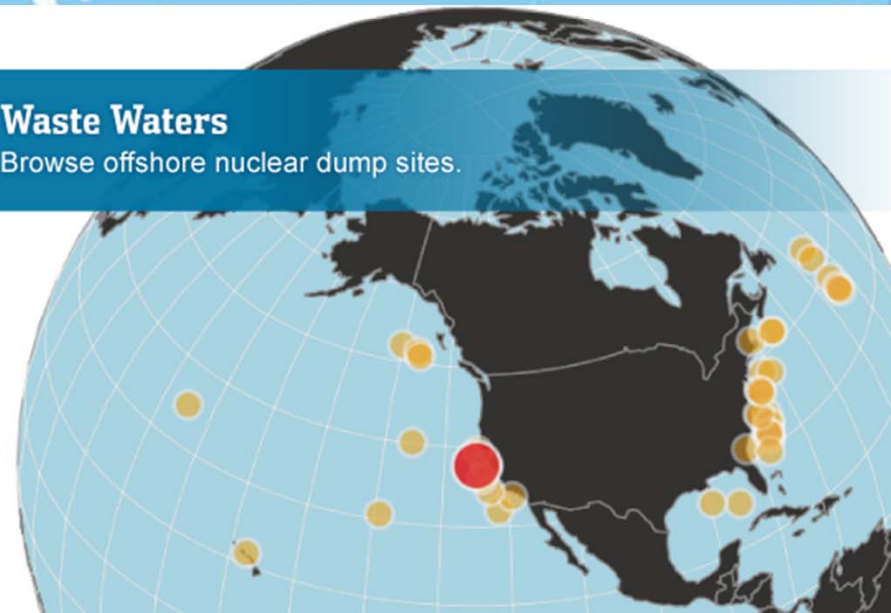
No new plants in 30 years





Waste Waters

Browse offshore nuclear dump sites.





4%



What's missing?



© CURT TEICH & CO., INC.

PACE

Finance energy
improvements through
property tax bill

115 S Andrews Ave, Fort Lauderdale, FL 33301, X Q



Analysis complete. Your roof has:



1,745 hours of usable sunlight per year

Based on day-to-day analysis of weather patterns



55,281 sq feet available for solar panels

Based on 3D modeling of your roof and nearby trees

\$9,000 savings

Estimated net savings for your roof over 20 years

FINE-TUNE ESTIMATE

SEE SOLAR PROVIDERS

Wrong roof? Drag the marker to the right one.

Shade

Making it popular

March 30, 2017



Making it affordable

PACE
Broward



Property Assessed Clean Energy
Financing Program

Measurements

-  SOLAR
-  HEATING & A/C
-  WINDOWS & DOORS
-  ROOFING
-  LIGHTING
-  INSULATION
-  HURRICANE

PACE
Broward



Bulk Purchase

What if we just
go nuts?



I Want **You** For
Energy Independence



**CONGRATULATIONS
ST. PETERSBURG, FL!**



Clean Energy For All!



dpaNZE

Net Zero Energy -100
existing commercial
buildings in
downtown Palo Alto
by 2017

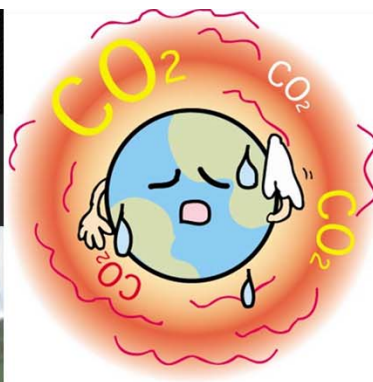


TESLA



Powerwall 2

Full Disclosure



PACE Broward

Commercial property owners
Go Solar
Finance energy improvements
through property tax bill

www.broward.org/climate

Joanna Berens Buschman

- ▶ President, Joanna Berens Hospitality
- ▶ Food Rescue Chair, GMIC FL/Caribbean Network
- ▶ Sea Level Rise Solutions, Temple Solel
- ▶ Scholarship Chair, SFMPI



John

- ▶ Adjunct Instructor, Chaplin School of Hospitality & Tourism Management
- ▶ Doctoral Student, Robert Stempel College of Public Health & Social Work
- ▶ Food Rescue Committee, GMIC FL/Caribbean Network
- ▶ Food Rescue Coordinator, South Beach Wine & Food Festival

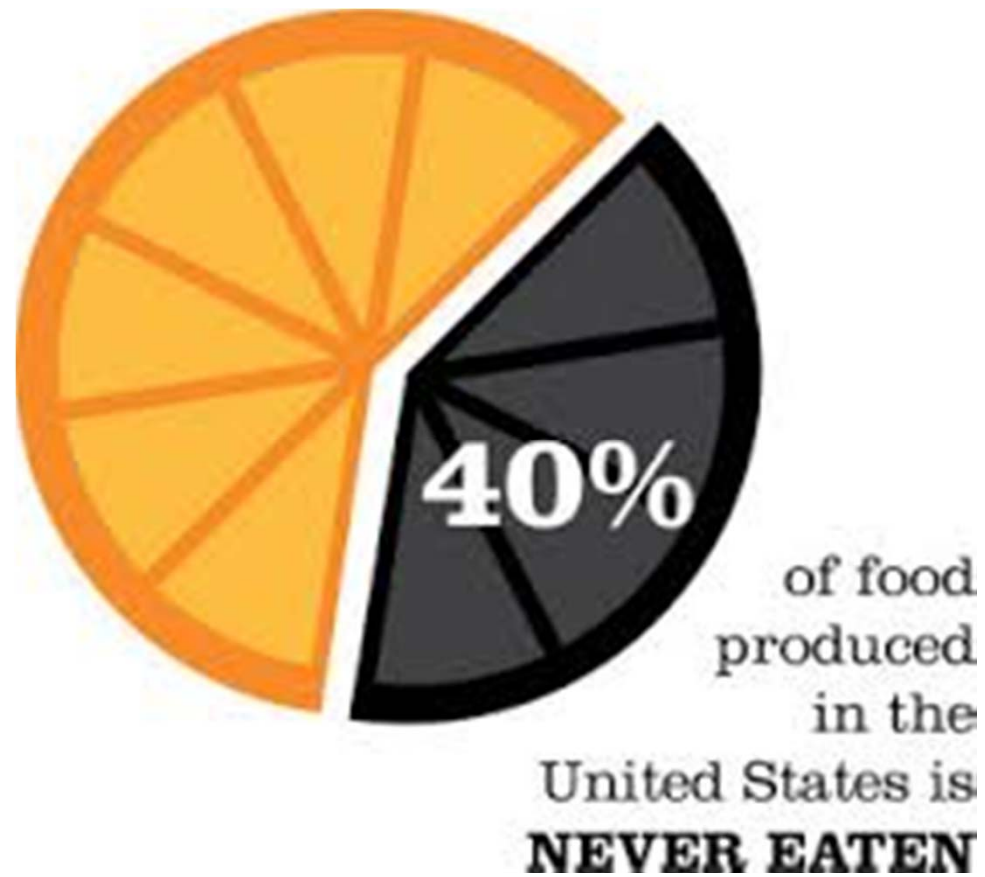




Supply



Supply



USDA, 2010
Hall et al., 2009

Supply



19% of restaurant,
cafeteria and catering
food is wasted

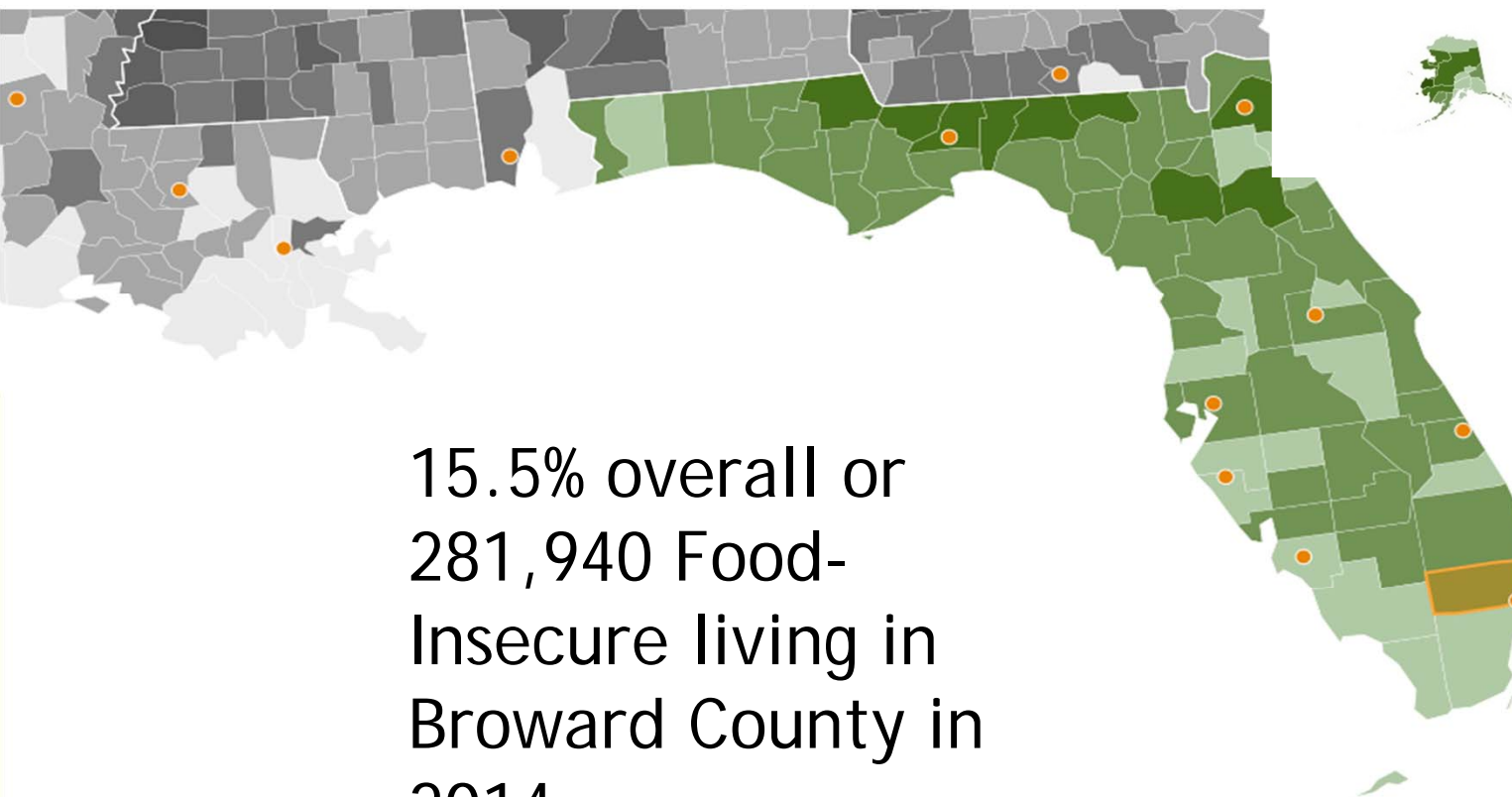
Buzby et al., 2011

Demand

Over 42 million people
living in food-insecure households in the U.S.

Coleman-Jensen, Rabbitt, Gregory, & Singh, 2016





15.5% overall or
281,940 Food-
Insecure living in
Broward County in
2014



Child FI Rate
for Broward is
20.6% or
81,710 food-
insecure
children

What can we do?

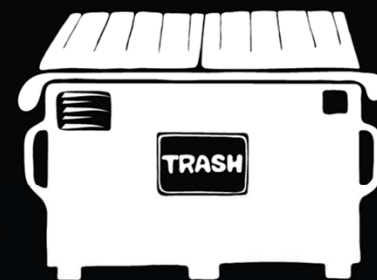
25 million people could be fed if we reduced food waste by 15 percent



NRDC, 2012



Feed People
Not Landfills



Catered Events



H. R. 2428

Bill Emerson Good Samaritan Act



One Hundred Fourth Congress of the United States of America

AT THE SECOND SESSION

*Begun and held at the City of Washington on Wednesday,
the third day of January, one thousand nine hundred and ninety-six*

An Act

To encourage the donation of food and grocery products to nonprofit organizations for distribution to needy individuals by giving the Model Good Samaritan Food Donation Act the full force and effect of law.

*Be it enacted by the Senate and House of Representatives of
the United States of America in Congress assembled,*

SECTION 1. CONVERSION TO PERMANENT LAW OF MODEL GOOD SAMARITAN FOOD DONATION ACT AND TRANSFER OF THAT ACT TO CHILD NUTRITION ACT OF 1966.

(a) CONVERSION TO PERMANENT LAW.—Title IV of the National and Community Service Act of 1990 is amended—

(1) by striking the title heading and sections 401 and 403 (42 U.S.C. 12671 and 12673); and

(2) in section 402 (42 U.S.C. 12672)—

(A) in the section heading, by striking “MODEL” and

NACE
EXPERIENCE
July 17-20, 2016 | Ft. Lauderdale, FL
WHERE CULINARY ARTS & EVENT DESIGN MEET

DIPLOMAT
RESORT & SPA
HOLLYWOOD, FLORIDA

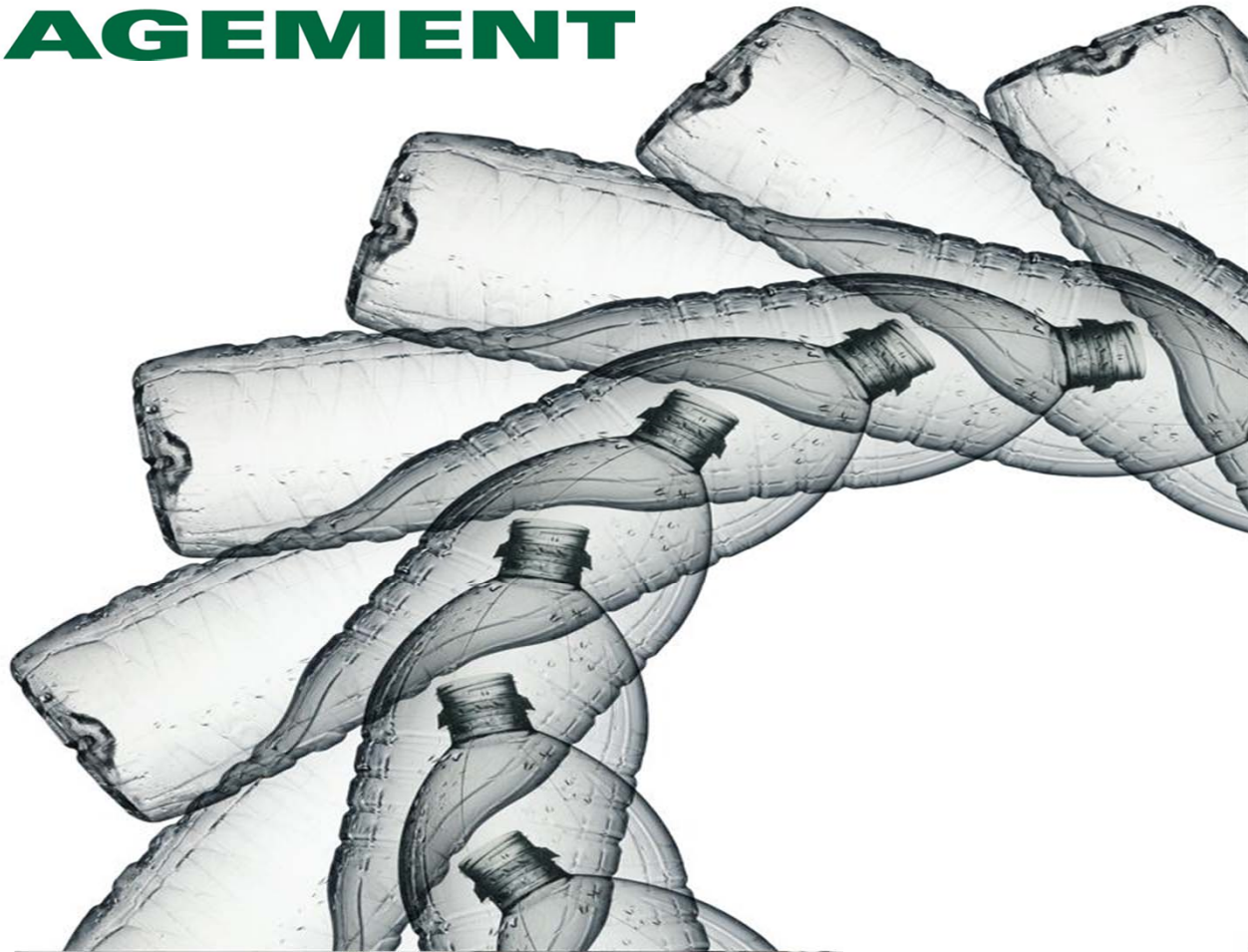


SOUTH FLORIDA CHAPTER
NATIONAL ASSOCIATION FOR
CATERING AND EVENTS





Shiraz Kashar
Outreach and Education Manager



Waste Collections and Landfill



THINK GREEN.®



Recycle Often. Recycle Right. x

recycleoftenrecycleright.com

Apps Amazon.com Concur Solutions T&E Wallet YouTube Earth Day Celebration Zorch Hightail.com Aestiva Power Offic... Other Book

RECYCLE OFTEN. RECYCLE RIGHT.

ABOUT MYTHS RESOURCES NEWSROOM CONTACT

45% of aluminum cans end up in the garbage

SOURCE: U.S. ENVIRONMENTAL PROTECTION AGENCY

Maybe it's time to rethink recycling.

Make the promise. Doing just these three things will make a huge difference.

1 Recycle all my empty bottles, cans and paper.

2 Keep food and liquids out of my recycling.

3 Keep plastic bags out of my recycling.

First Name * Last Name *

Email * Zip/Postal Code *

City *

SUBMIT

☒ Sign me up to receive news, updates and information about Recycle Often. Recycle Right.™ to help me keep my promise.

15936 Others have made the promise. Will you?

Twitter Facebook LinkedIn Email

Sponsored by WM WASTE MANAGEMENT

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THINK GREEN.®

Recycling Best Practices



Steel, Tin & Aluminum Cans
Latas de acero, hojalata y aluminio
Bwat metal ak bwat aliminiòm



Plastic Bottles & Containers #1-5 & 7
Botellas y envases de plástico
Boutèy ak bwat plastik



Office Paper, Brown Paper Bags, Newspaper, Magazines & Junk mail
Bolsas de papel marrón, papeles de oficina no confidenciales, periódicos, revistas, correspondencia no solicitada
Papye ki sot nan biwo, sachè papye, papye jounal, magazin ak vye papye lapòs



Paper Cardboard, Dairy & Juice Containers
Envases de papel cartón, productos lácteos y jugos
Bwat katon, bwat lèt ak bwat ji



Flattened Cardboard & Paperboard
Cartón y cartulina aplastados
Gwo bwat katon ki plati ak ti bwat katon



Glass Bottles & Jars
Botellas y frascos de vidrio
Boutèy ak bokal fayans



DO NOT INCLUDE: Food waste, plastic bags, or polystyrene foam cups & containers

NO INCLUYA: Comida desechada, bolsas de plástico o vasos y contenedores de goma de poliestireno

PA GEN LADAN: Fatra manje, sache plastic, tas polystyrene oswa nan veso

Single-Stream Recycling

Reciclaje de corriente única



THINK GREEN.®



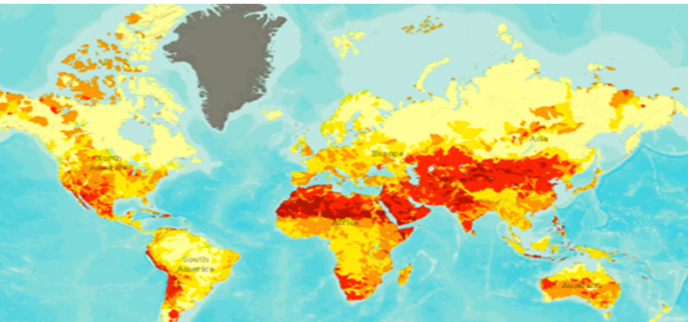
let's

You recycle, right?



Recycling is the #1 action

society can do to improve our impact on the environment,
and to simultaneously improve the economy, to green-up manufacturing,
to prevent waste from going into oceans and to mitigate climate change.





But the way recycling is presented to the public is confusing



Actor and spokesperson for Recycle Across America:
Johnny Galecki

Society-wide standardized labeling system for recycling bins



Making it easy for people to begin to recycle more and recycle right,
wherever they might be. **It's that simple.**

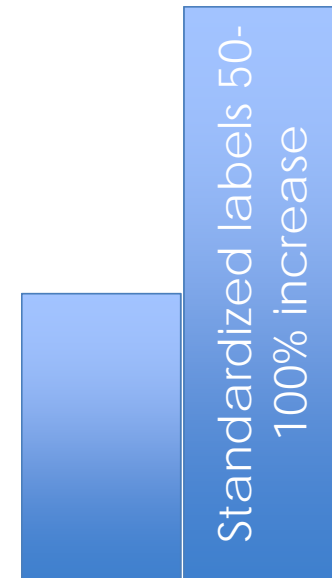
Musician Alanis Morissette (spokesperson for Recycle Across America)



The standardized labels work!

THE STANDARDIZED LABELS
ARE DRAMATICALLY
INCREASING
RECYCLING LEVELS

50-100% increases
in recycling levels



recycling increase

Across the State of Florida

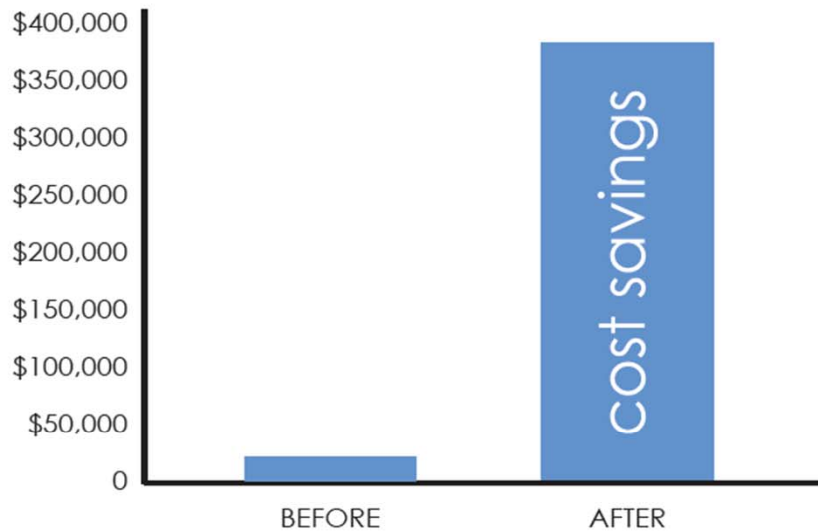


Across the Nation

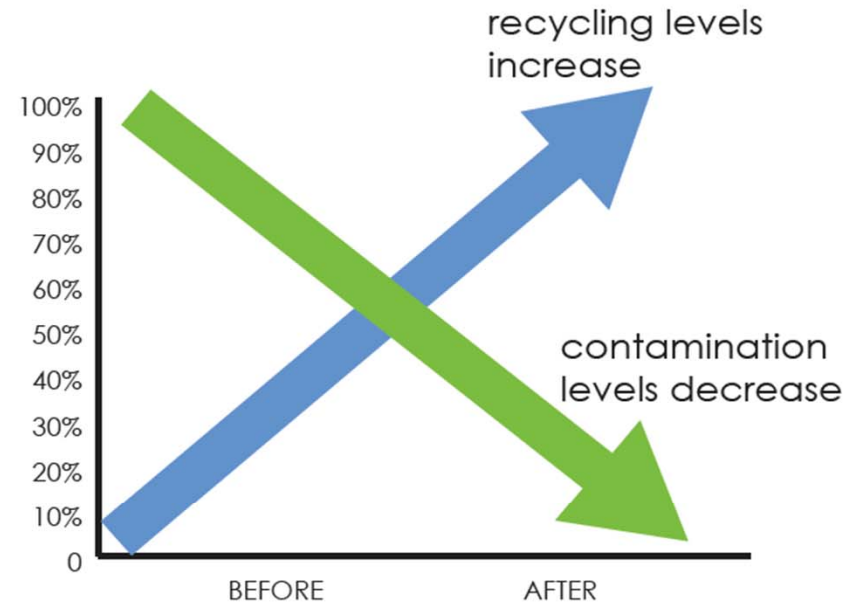


**MINNESOTA
STATE FAIR**





K-12 schools in Orlando saved \$369,000 in their first year, because their recycling levels increased when they began using the standardized labels



The University of Denver's recycling levels increased significantly and their contamination levels decreased 90% as a result of the standardized labels.



Recycling
is far too
important
...
to be
confusing.



Thank you,
Winter Park for starting to use the
societywide standardized labels on
recycling bins to make it easier for
people to recycle *right!*

Johnny Galecki

Let's recycle right!

Be part of the solution: recycle.across.america.org

The celebrity-led
"Let's recycle right!" PSA
campaign is available
for participating municipalities and
government agencies.

in central florida



Standardizations help us act on our good intentions everyday in many ways. Let's apply the same logic to recycling bins.



Nutrition Facts	
Serving Size 172 g	
Amount Per Serving	
Calories 200	Calories from Fat 8
% Daily Value [*]	
Total Fat 1g	1%
Saturated Fat 0g	1%
Trans Fat	
Cholesterol 0mg	0%
Sodium 7mg	0%
Total Carbohydrate 36g	12%
Dietary Fiber 11g	45%
Sugars 6g	
Protein 13g	
Vitamin A 1%	Vitamin C 1%
Calcium 4%	Iron 24%
<small>*Percent Daily Values are based on a 2,000 calorie diet. Your daily values may be higher or lower depending on your calorie needs.</small>	
NutritionData.com	



Breakout Sessions

- Small group discussion format that requires your candid and active participation!
- We encourage you to use the time to:
 - Identify synergies and possible partnerships
 - Discuss challenges
 - Successful initiatives
 - Biggest opportunities and obstacles standing in the way of progress
- Bell will be used to signal the beginning, halfway point and 10 minutes to end of session

Breakout Session Locations

- **Food Recovery**: Move towards the **front** of the room
- **Energy**: Take your chair and gather on **left** side of room
- **Waste & Recycling**: Take your chair and gather on **right** side of room

Do not feel obligated to attend the session you originally signed up for!

Breakout Sessions Report Out

Team Leaders Report Key Findings Back to Group

Kahoot Game #2

Join at **kahoot.it**

With game-pin:

4953807

kahoot.it

Kahoot!

Game pin

Enter

0
Players

Kahoot!

Start now ▶

★

Waiting for players...

Kahoot!

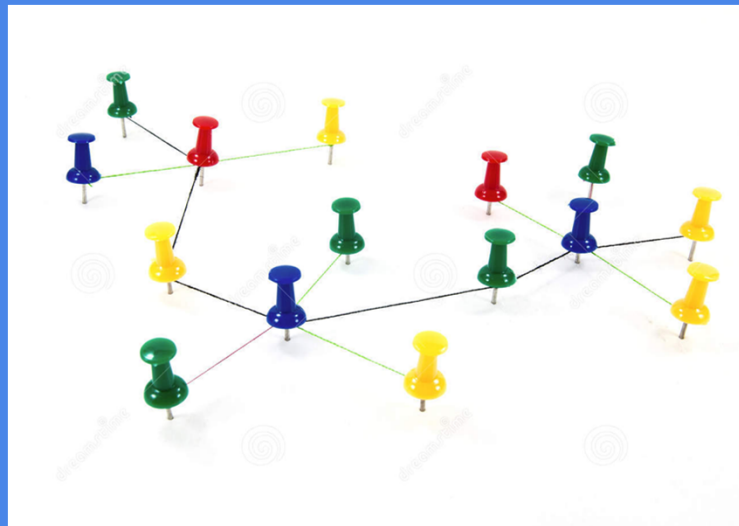
Game pin

Enter

Make your own at getkahoot.com

Making the Connection

Visual Art Survey Recap



Thank you!

We look forward to seeing you again soon!

