



MANAGING FOOD WASTE & THE FOOD RECOVERY CHALLENGE

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Who does this “Food Waste & Emissions Reduction Fellow” work for?



KUPU

LEARN • SERVE • RESTORE

RISE is a core program of local nonprofit org, Kupu. RISE’s purpose is to lead sustainable development in Hawaii by leveraging cross-sectorial partnerships *and* by providing meaningful paid fellowships in emerging green professions from clean energy to robust food systems development.



RISE

A PROFESSIONAL
DEVELOPMENT
PROGRAM OF KUPU

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- What to do about Food Waste and How
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- Participating in the Food Recovery Challenge
- Q & A + Contact info

What is the Food Recovery Challenge?

- An EPA-led initiative where participants commit to reducing food waste reaching landfills through prevention, donation, repurposing/recycling, and composting.

What is food waste?



Pre-consumer Food Waste (FW) – prep scraps*



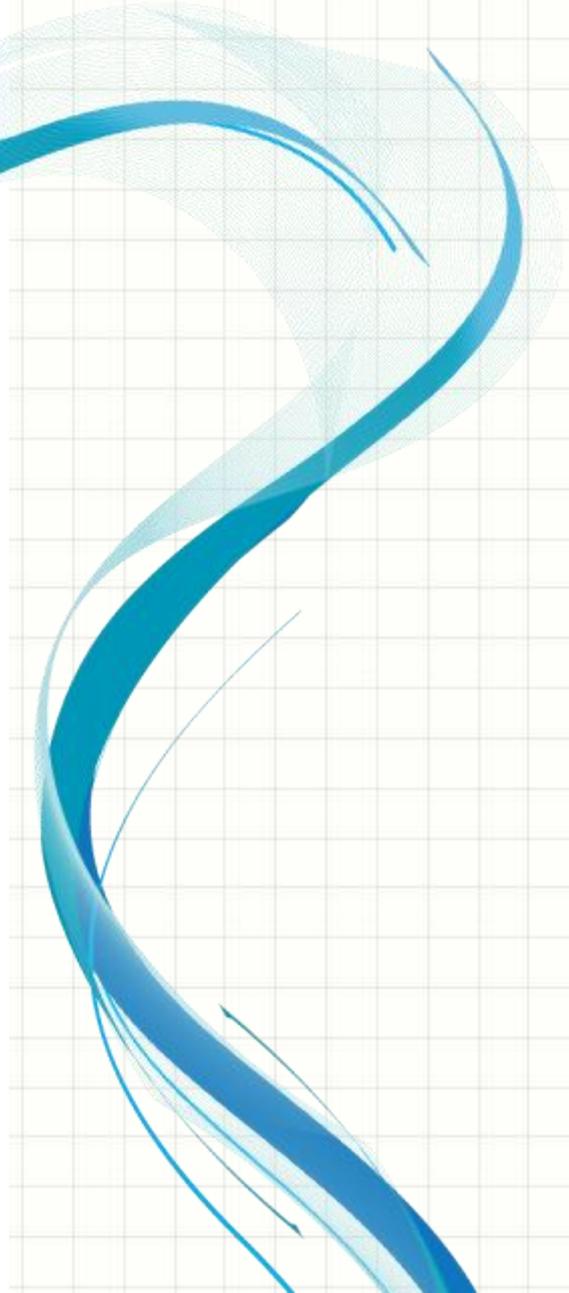
What is food waste (continued)?



Post-consumer FW – leftovers
*Grey area: surplus prep & spoilage

Is food waste bad? Why?

- Pre-consumer
 - Unsold items can be shared/donated!
 - If landfilled, it just emits methane
 - If incinerated (HPower), it's wet and not optimal
 - There are reuse/repurpose/recycle opportunities for all types
- Post-consumer
 - Many of the same reasons above...
 - ...what about justice and moral/ethical implications?



What to do
about it?

Donate:

- Aloha Harvest
- Hawaii Food Bank
- Staff, friends, family, neighbors



Courtesy: Aloha Harvest

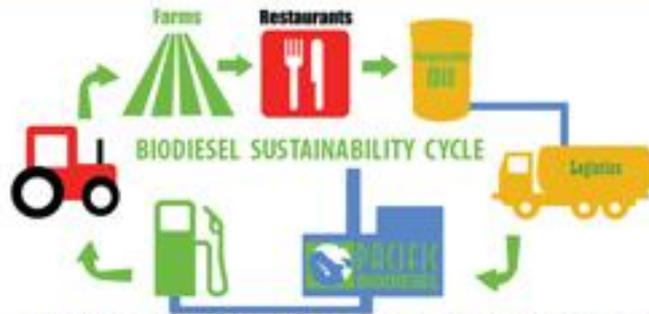
Feed livestock



Recycle! Industrially...

Be the Change!

Switch to clean, premium quality,
earth-friendly biodiesel



Click here for a list of fueling station
where biodiesel is available!

Subsidiary of Baker
Commodities, Island
Commodities, specializes in
meat/fish carcass recovery



<http://www.bakercommodities.com/product-detail.php?pid=15>

Courtesy: Pacific Biodiesel

Source: <http://www.biodiesel.com/fuel-sales/where-to-buy/>

...and Compostably!

- The Ritz-Carlton, Kapalui, Maui
- Efforts led by Communications Director Deanna Miller and Chef Zaner
- Helped by kitchen staff, groundskeepers, facilities personnel—a **full-on coordinated approach**
- Feeds gardens, fruits and veg, herbs, garnish, and cocktails!
- They also partner with a nearby pig farmer



Chef Zaner showing mature compost on left accompanied by mulch material, aka landscape trimmings at right





Absolutely stunning garden and soon-to-be wedding venue!





Either Loco, or Moco, this resident piggy's on the move

MAMA'S FISH HOUSE



Blue bins of varying sizes capture food waste



Coffee grounds are extremely rich in nitrogen



Another bigger blue bin situated by the dish pit to capture post-consumer food waste







Mature compost mounds in background, newer ones in fore

Kapiolani Community College

- Combining high-tech with low
- Earth Tub/Biofuel Converter
- Worm Bins
- Aquaponics
- Herb Garden
- Post-consumer opportunities?
 - In development



The Earth Tub by Green Mountain Technologies composts 100 pounds/day!

<http://compostingtechnology.com/products/compost-systems/earth-tub/>

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ILE FOOD SERVICE

sel Processing

ean-burning renewable
igh a chemical process
vegetable oils or animal
fuel consisting of long-
l methyl esters (FAME).

xicity and safer to handle
n-based diesel fuel, meets
l standards, can be used in
rs and is biodegradable.



KCC committed to diverting 5 tons FW from landfill just by utilizing this bio converter



Aquaponics: nutrient-rich fish poo water that feeds plants which filter that water back into the fish's habitat



Their garden: a flourishing of veg fed by rich compost and even richer worm castings. Absolutely brilliant!

Why join?

- Improve your bottom line
- Support your community
- Reduce environmental impact
- Recognition
- Technical assistance and networked collaboration
 - We make it easy

How to Join

- **Register** for EPA's Food Recovery Challenge at <https://connect.re-trac.com/register/epafrc>
- **Assessment:** Conduct a baseline food waste assessment within 90 days of joining and enter into EPA's waste tracking system, Re-TRAC
 - This is where I come in to help

Questions

- Cyrus Howe's contact info:
 - cyrus.howe@risehi.org
 - 206.499.3181
- Kupu/RISE
 - Kupuuhawaii.org
 - Risehi.org
 - **Need a fellow?** <http://www.risehi.org/overview-needafellow/>
- EPA Food Recovery Challenge
 - <http://www.epa.gov/foodrecoverychallenge>
 - <https://connect.re-trac.com/>