THE LAST FOOD MILE CONFERENCE

Conclusions and Road Ahead

Dr. Alan Kelly

Dr. Dave Galligan

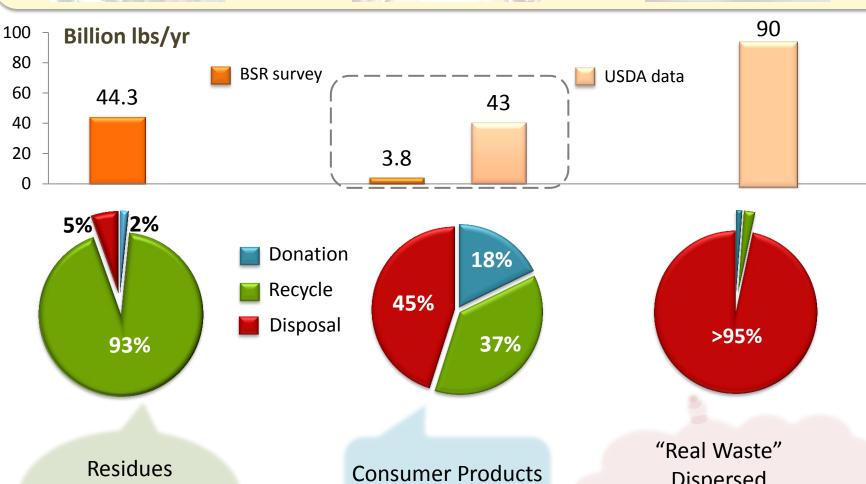
Dr. Jim Ferguson

Mr. Steve Finn

Dr. Zhengxia Dou

Summary: Food Loss & Waste in US Supply Chain

Processing _____ Distribution ____ Consumption



Residues Concentrated (27,400 sites)

Consumer Products
Scattered
(179,000 stores)

"Real Waste"
Dispersed
(1 million restaurants
117 million households)

Wasted Food = Wasted Resources & Money!

\$161 billion for retail and consumer food loss (Jean)

Consumer level Food L Family of 4: 1164 lb/yr



Many Are Engaged in Food Rescue,

Emergency Food Network Gleaners Community Food Bank Mid-Atlantic Gleaning Network Philadelphia Orchard Project Project **SHARE** Society of St. Andrew **Ample Harvest**

Campus Kitchen at Gettysburg College Chester County Food Bank

City Harvest Convoy of Hope

CropMobster Community Exchange

Farm to Fork Feeding America Food Cowboy

Food Donation Connection Food Recovery Network

Food Research and Action Center (FRAC)

Food Shift

Food Waste Reduction Alliance

FoodStar Fork It Over!

Greater Berks Food Bank **Grocers Against Hunger** Hunger-Free Pennsylvania

Narberth Community Food Bank No Kid Hungry

No Kid Hungry 2

No More Empty Pots

PareUp

Pennsylvania Association of Regional Food Banks

Philabundance

Project Bread Rock and Wrap It Up!, Inc.

Second Helpings, Inc.

The Campus Kitchens Project

Waste No Food The Food Journal The Green Source News

The Hungry Hack

U.S. Composting Council

Waste and Resources Action Programme (WRAP)

Waste Not

Waste to Wealth Initiative

Wasted Food

World Hunger Education Service

World Resources Institute

Zero Waste America

Zero Waste Canada

Bon Appétit Management Co. and Foundation

End Food Waste Now Feeding the 5000

Food Alliance

Food Day

Food Marketing Institute Food Recovery Challenge

Food Tank

Food Waste Focus

Future Food 2050

Good Food Web

GRACE Communications Foundation (GCF)

Green Restaurant Association

GreenBiz Group, Inc.

Harvard Food Law and Policy Clinic

Harvest Power of We

Institute for Local Self-Reliance (ILSR) Institute of Food Technologists (IFT)

International Food Policy Research Institute

iWasteNot Systems, Inc.

Just-Food

Mayor's Office of Sustainability, City of Philadelphia

National Restaurant Association

Natural Resources Defence Council

New York City Coalition Against Hunger Northeast Recycling Council (NERC)

Northern California Recycling Forum

Penn Eco-Reps Program

Penn Green Campus Partnership Pennsylvania Association for Sustainable

Agriculture (PASA)

PA Green Colleges/PA Environmental Resource Consortium (PERC)

Pennsylvania Resources Council, Inc. (PRC) Philadelphia Society for Promoting Agriculture (PSPA)

Postharvest Education Foundation

Recycling Alliance of Philadelphia

ResponsEcology

Recovery, Recycling

Roberts Environmental Center, Claremont

McKenna College

Rodale Institute

Save Food Initiative (FAO)

School Nutrition Organization

Small Plate Movement

SmartBlog on Food and Beverage

Sodexo Foundation

Stop Waste

Sustainable America

Sustainable Foodservice

Sustainable Table

Sustainable Waste Solutions

Switchboard (Dana Gunders' NRDC blog)

The Food Journal

The Green Source News

The Hungry Hack

¥ (U.S. Composting Council

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Bon Appétit Management Co. and Foundation

Center for Health Promotion and Disease Prevention, UNC

G'Dickinson College Organic Farm

Food Hero LeanPath

Wharton Initiative for Global Environmental

Leadership (IGEL) **Arborganic Acres**

Bennett Compost BioBag

SC HA

BioCycle Magazine

BIOFerm Energy Systems

Bio-Techno, Inc.

Blue Bag Organics

Blue Hen Organics

Brown Bear Corporation

Coalition for Resource Recovery

Converted Organics

DTEnvironmental

DVO Anaerobic Digesters, Inc.

EcoSafe Zero Waste

EcoVision Environmental

Engineered Compost Systems

Food Waste Disposal

Green Mountain Technologies

Harvest Power

Komptech

Novamont North America, Inc.

NYC Recycles

Organic Diversion of Marlton

Organic Waste Systems, Inc.

Penn State Extension Waste to Energy

PlanET Biogas USA, Inc.

quasar Energy Group RCM International LLC

State College Food Waste Composting Pilot

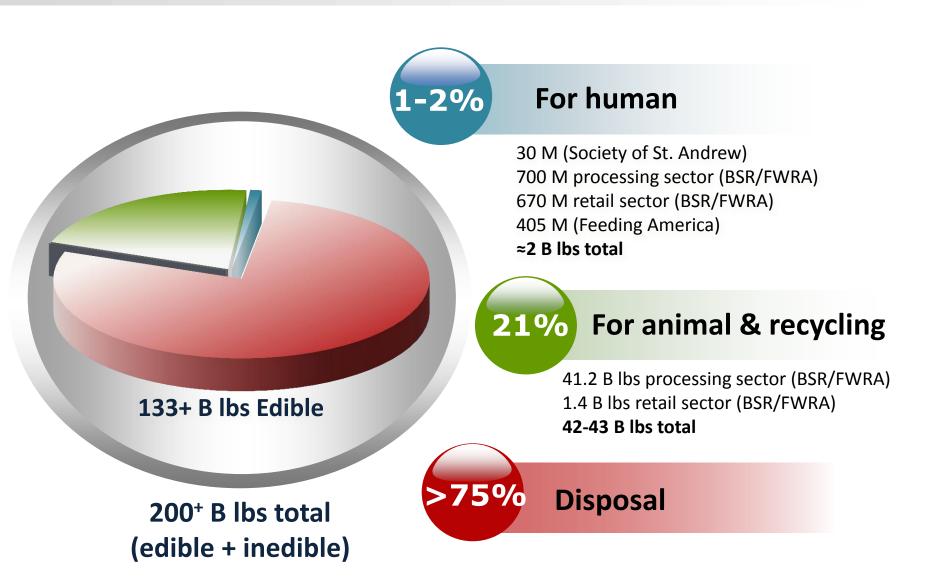
Program

WeCare Organics

Wilmington Organic Recycling Center (WORC)

Yield Energy, Inc.

Food Recovery & Waste Diversion: A Glance



Road Ahead

- Consumer-level food waste is the critical control point.
- Source reduction (homes, restaurants) is the key.
- Three critical needs at the national scale:
 - We need to better understand consumer food behavior and affecting factors.

Without in-depth knowledge, we can't work effectively.

We need to characterize food waste streams quantitatively.

If we don't measure it, we can't manage it.

We need to set food waste reduction target.

Without target, we won't get there.

Engagement!

THANK YOU!



Fertilization





Pest control Harvest

A Long Journey.











Slaughter

Cleaning

Milking

Feeding

Silage

The Last Food Mile....







Storage Transport







Consumption

Processing