UNITED
IN FIGHTING HUNGER

OCTOBER 14, 2014 • DES MOINES, IA

WWW.IOWAHUNGERSUMMIT.ORG

A Collective Impact Model for a Hunger Free Community

Iowa Hunger Summit
October 14, 2014

INDY HUNGER NETWORK (IHN) MISSION:

Create a sustainable system that ensures anyone who is hungry can access the nutritious food they need.

FOOD INSECURITY IS PERVASIVE

Children

Seniors

Suburbanites

Food insecurity touches 1 in 5

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OUR GOAL - ENOUGH FOR ALL

Enough for all is possible, and in the near term

What is needed?

“And” not “or”

- Public and private
- Faith-based and secular
- For and not-for-profit

Five Elements of Collective Impact

Common Agenda

Shared Measurement

Mutually Reinforcing Activities

Continuous Communication

Backbone Organizations

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STRATEGIC FOCUS of IHN

Meals Needed

Meals Provided

Assure Access
- Hotspots
- 211

Improve Nutrition

Increase Meals

Understand system, build relationships

2009

2013

2015

IHN PHILOSOPHY

- Data-based systemic solutions
- Project-based
- Collaboration
- Outcome focused , seeking to meet all the need
- Sustainability by strengthening the partners

Collective Impact – Working Together to Assure Access

"There is no deficit in human resources; the deficit is in human will."
Martin Luther King Jr., Nobel Peace Prize lecture

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WHAT WE ARE DOING

Gleaners doubling output

Second Helpings doubling meals

Midwest Food Bank doubling output

St Vincent de Paul serving 3000 families/week

Pantry Partner Network grown from 2 to 11 pantries

Summer Servings expanded

Gleaners purchasing fresh in bulk

Fresh via Fresh Bucks, Glean Team

Connect2Help, CICOA, Gleaners assisting with SNAP

Meals on Wheels, EAT outreach to seniors

FSSA enrollment system for SNAP improved

Promoting 211

Multiple collaborative efforts

And lots more....

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Addressing hunger and poverty through capacity building : Iowa State University's programs in Uganda

Dorothy Masinde
Global Resource Systems, Iowa State University

Iowa Hunger Summit

October 14, 2014

College of Agriculture and Life Science's (CALS) Uganda program

- CALS at Iowa State University has academic and service programs that are addressing global hunger and poverty in Uganda
- The Center for Sustainable Rural Livelihoods, which was established in 2004
- The service learning school garden and lunch program students receive hands on training and experience while fighting hunger and poverty with rural Ugandan communities
- Global Resource Systems is a college wide major that trains graduates that are skilled to solve complex global challenges

Center for Sustainable Rural Livelihoods

- Mission to combat global hunger, malnutrition and poverty in the developing world through various programs
- ISU-UP is registered as a non-governmental organization in Uganda
- Using participatory approaches and starting with local knowledge, partner with institutions to develop technologies that sustainably enhance rural livelihoods
- Works through farmer to farmer approach
- Build capacity of local farmers to provide extension services in crop and livestock
- Works across different livestock and crops value chains
- Promote improved livestock breeds and crop cultivars and other husbandry practices

Service learning, school garden and lunch program

- Program began in Kamuli District of Uganda in 2006, the goal of the program is to develop *the Next Generation of Change Agents* for rural Uganda.
- Experiential learning is the main approach adopted by the project, with participants "learning by doing"
- Provide a service to the community and schools
- Students contribute to development project that includes teaching, school garden work, team projects and ISU-UP work that impacts the community in which they work
- Students function as a bi-national team, which transforms personal perspectives and learn technical, personal, and life skills while participating in the program.

Nutrition Education Program

- Women of reproductive ages, children 0-5 years and school going children
- Build capacity of children, mothers and fathers and local trainers
- Collaborate with local Ministry of health to provide complimentary services like family planning, vaccinations
- Nutrition rehabilitation for moderate to severely malnourished children
- Training and production of ingredients to ensure continuous consumption of diversified diets
- Microcredit and entrepreneurship enhance incomes
- ISU students participate through research and internships

Global Resource Systems (GLOBE)

- The GLOBE employs an interdisciplinary and systemic approach to understanding complex global resource issues.
- Graduates of the GLOBE major are skilled in developing a systemic perspective and solving complex global problems
- As part of their training they undertake 5-10 week global internship
- GLOBE faculty and students have contributed to CALS' work in Uganda through service and research that have improved program work

Accomplishments

- CSRL program has impacted over 10,000 people in Kamuli district
- Increased access to clean water for 5,000 households
- Six Nutrition Education Centers have served over 800 clients directly
- Over 100 trained community change agents are providing services
- Service learning program impacts over 3000 children annually
- School lunch program serves over 3200-850kcal meals per week in 3 schools
- 156 students and 8 faculty have participated in the program since 2006
- 18 GLOBE students have completed their internship on the program

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"No Food Left Behind"

A tech solution to food waste and hunger

Food Waste

The Impact

A Solution

The Innovation

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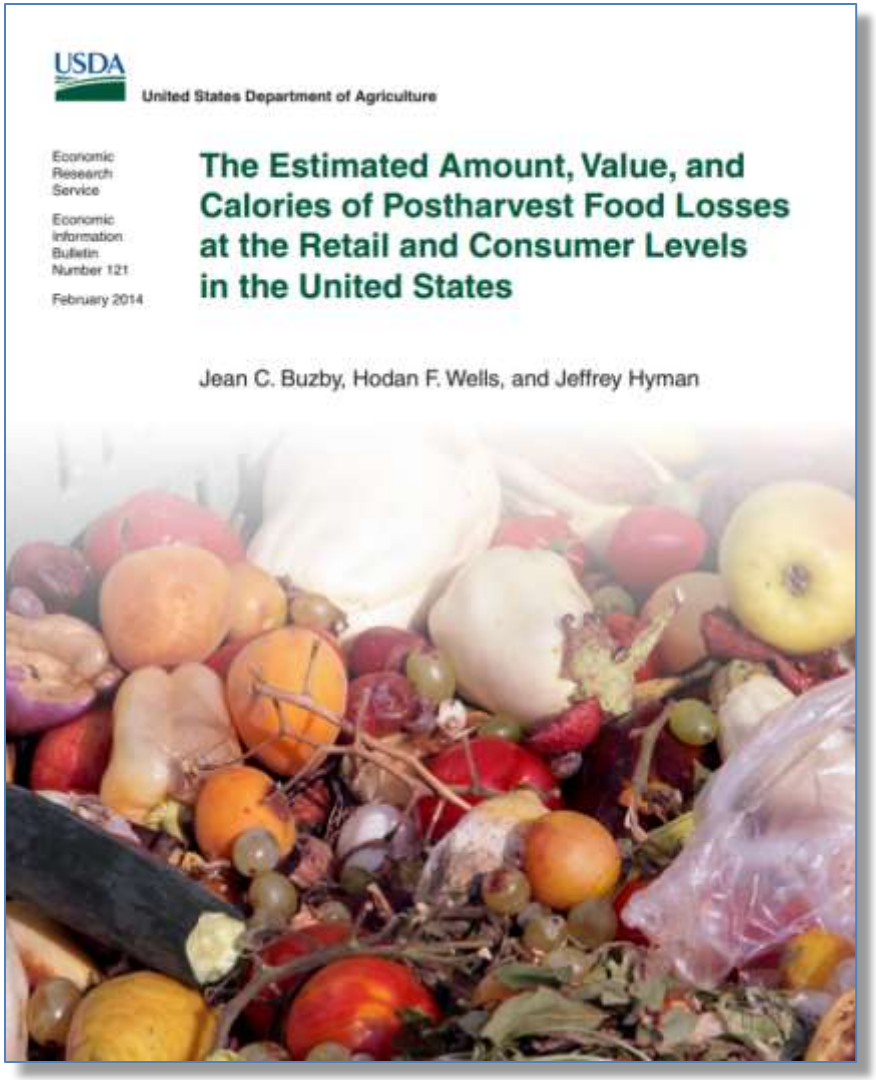
The Documented Problem

Food Waste:
31% of our food is wasted
50% of produce lost
1 lb. per person daily

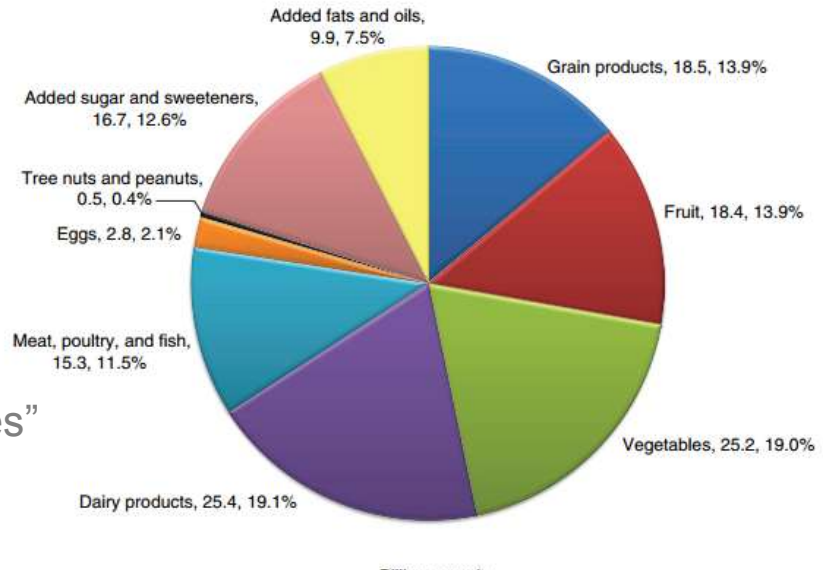
Cost:
$161 billion in 2010 alone
4% of all our energy
32% of our fresh water usage



The Documented Problem

Documented Sources of Food Waste

- **Farms**
  - Not Fit for Market
  - Not Priced for Market
  - Not harvested
- **Storage**
- **Processing**
- **Transportation**
- **Retail**
  - Damage
  - Misuse of “Sell by Dates”
- **Consumer level**
  - Restaurant
  - Home
  - School
  - Misuse of “Sell by Dates”



Billions of Pounds of Food Lost

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The Undocumented Problem

Documented Sources of Food Waste

- **Farms**
  - Not Fit for Market
  - Not Priced for Market
  - Not harvested
- **Storage**
- **Processing**
- **Transportation**
- **Retail**
  - Damage
  - Misuse of "Sell by Dates"
- **Consumer level**
  - Restaurant
  - Home
  - School
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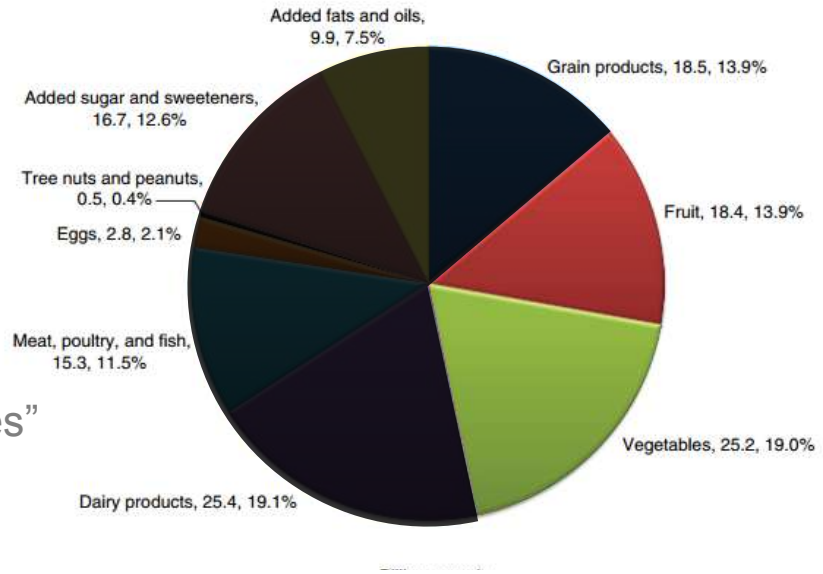

Billions of Pounds of Food Lost

Additional Source of Food Waste

- **Home / Community Gardens**

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A Problem No One Ever Noticed

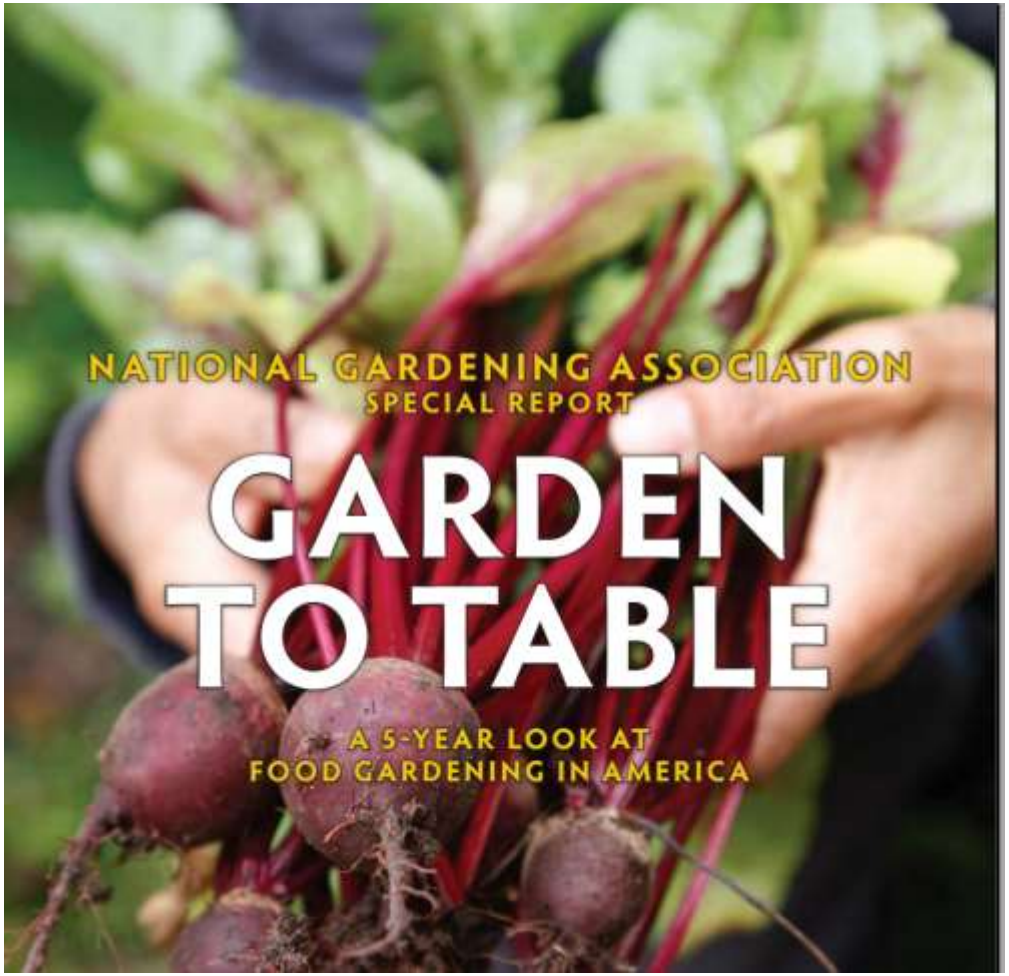
America's Home Gardeners And Food Waste

35% of all households (42 million) grow food

17% increased in past 5 years

Average harvest: 300 lbs.

From National Gardening Association Reports of 2009 and 2014



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A Problem No One Ever Noticed

America's Home Gardeners And Food Waste

9 million urban households grow food

200% increase in community gardening in 5 years

63% increase in growing food among millennials

A Problem No One Ever Noticed

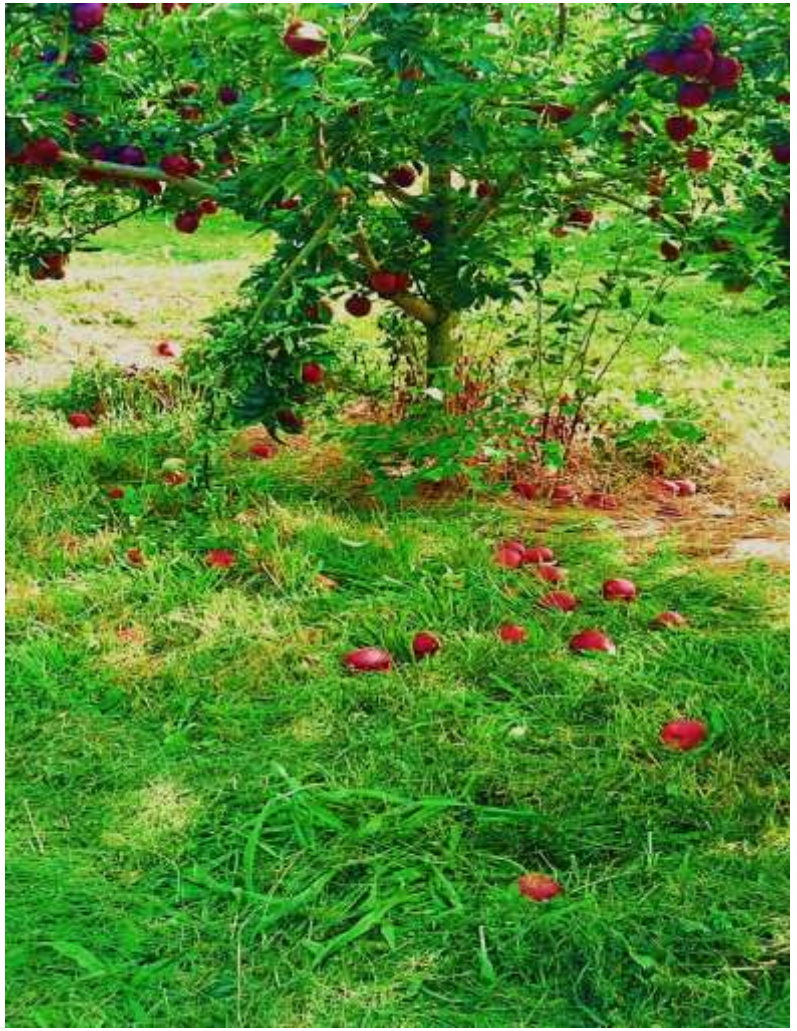
America's Home Gardeners And Food Waste

The Gardeners:

- **Over planting/producing**
- **Not preserving/canning**
- **Bored/overwhelmed**

Food Drives:

- **Not accepting fresh food**



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Food Waste

The Impact

A Solution

The Innovation

Our Neighbors

1 out of every 6 Americans (50 million) are food insecure

Impacts 1 in 4 children under six *(1 in 3 if Hispanic)*

Consequences:

- Childhood Obesity
- Type II Diabetes
- Food Related Illnesses
- Hypertension

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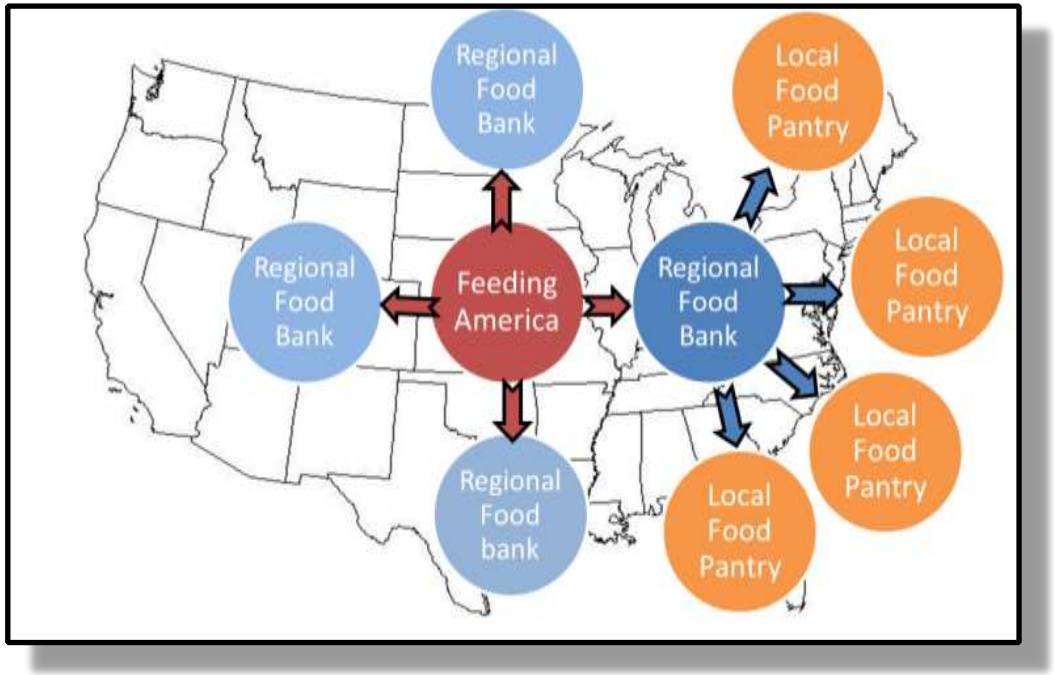
The Heart Of The Problem



50 M Hungry People

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The Heart Of The Problem

203 Food Banks Nationwide

Time

50 M Hungry People

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Food Waste

The Impact

A Solution

The Innovation

A technology solution to food waste & hunger:

1. Bypass the chokepoint
2. Open the floodgate of local food and community good will

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A Tech Solution To Food Waste

Find A Nearby Pantry

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Register to be Searchable

50 M Hungry People

Local Pantries

Food Banks Nationwide

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A Tech Solution To Food Waste

Growers home location

Listing of pantries sorted by distance

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A Tech Solution To Food Waste

Address & Contact Info

Donation times

Details on store bought items most needed

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A Tech Solution To Food Waste

Innovations

- **Food System**
  - Gets fresh food to pantries – first time
  - Uses existing ubiquitous infrastructure
  - Reduces food waste
  - "Just in time" inventory logic
  - Market efficiency from pantry feedback loop
- **Behavioral Changes**
  - Lifelong solution for growers
  - Charity by reaching into backyard - not back pocket
  - Community empowerment/engagement
- **Environmental Impact**
  - Reduced waste stream
  - Reduced methane emissions
  - Reduced carbon footprint
- **Impact on society**
  - Lower national healthcare costs
  - Incorporates ethics in charity giving
  - Reduced taxes

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Taking Hold

First Day of National Rollout

AmpleHarvest.org Impact Map May 20, 2009
1 Food Pantry – Pompton Plains NJ

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Taking Hold

AmpleHarvest.org Impact Map June 20, 2009
100 Food Pantries

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Taking Hold

60 Days Later.....

AmpleHarvest.org Impact Map Aug 20, 2009
500 Food Pantries

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Taking Hold

AmpleHarvest.org Impact Map Oct 15, 2009
1,000 Food Pantries

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Taking Hold

AmpleHarvest.org Impact Map May 30, 2010
2,000 Food Pantries

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Taking Hold

AmpleHarvest.org Impact Map Dec 8, 2010
3,000 Food Pantries

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Taking Hold

AmpleHarvest.org Impact Map Jul 17, 2011
4,000 Food Pantries

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Taking Hold

AmpleHarvest.org Impact Map Apr 1 2012
5,000 Food Pantries

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Taking Hold

AmpleHarvest.org Impact Map Today
More than 7,000 Food Pantries

Taking Hold

Food from a grower in urban Bridgeport Ct. donated to a food pantry.

Taking Hold

What Makes This So Extraordinary?

Simple

1. “Makes Sense”
2. Uses existing resources
3. Viral spread

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1. No Logistics
2. No Warehousing
3. Moves Information – Not Food

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Universal

1. Works in any community
2. Works with home growers & farms
3. Builds community bridges

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Universal
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Meets Pressing Needs
1. Childhood Obesity
2. Type II Diabetes
3. Environment

What Makes This So Extraordinary?

The Other Good Stuff

1. Costs a fraction of any other national program
2. Sustainable
3. Relies on inherent good will
4. Food donations are tax deductible
5. Supported by all faith communities
6. Essentially cost free to the community
7. Well positioned to solve a problem and "go home"
8. "Feels right."

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Partners

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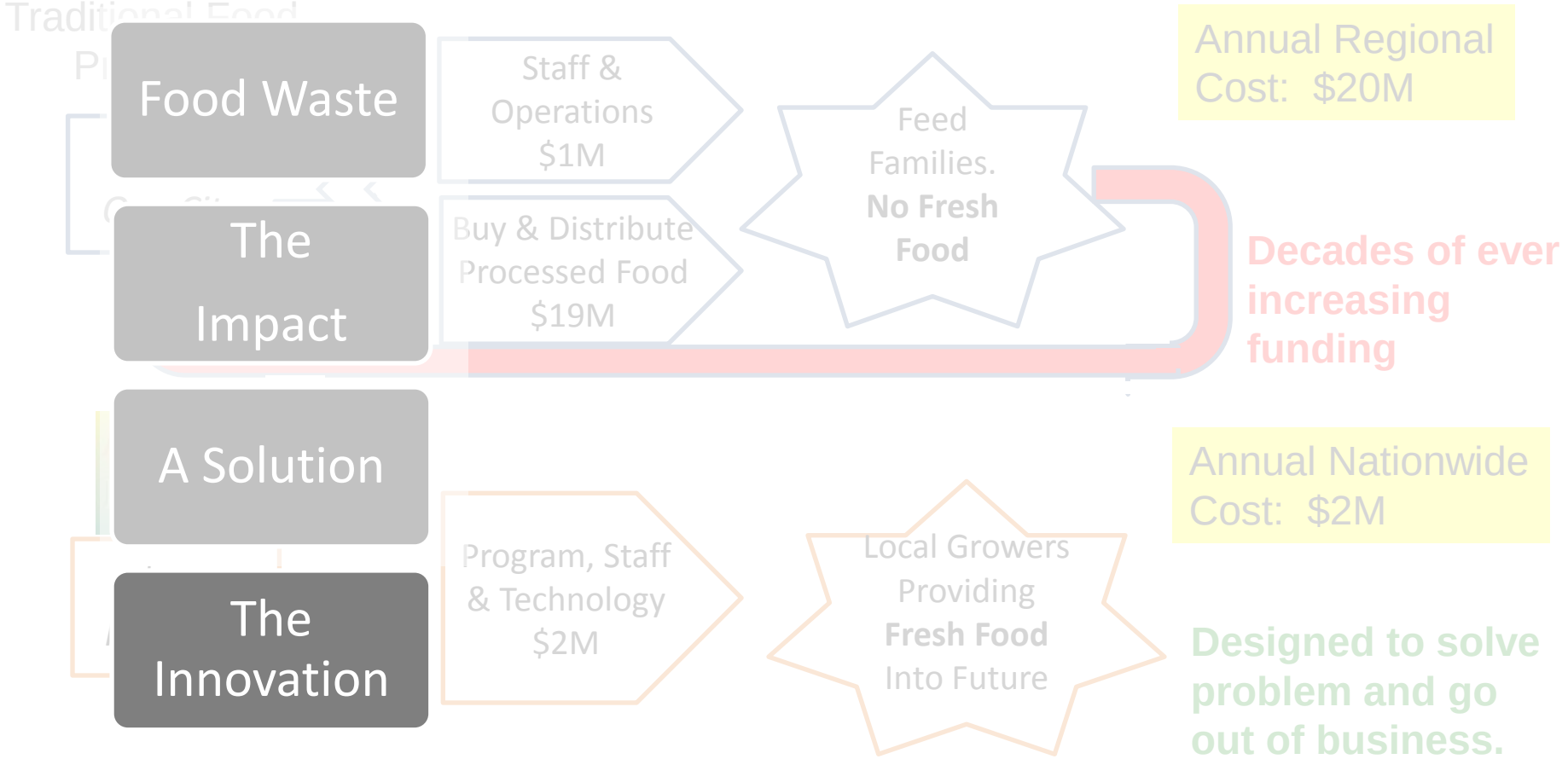
Innovative!

Fiscally & Logistically Efficient Sustainable Long Term Solution



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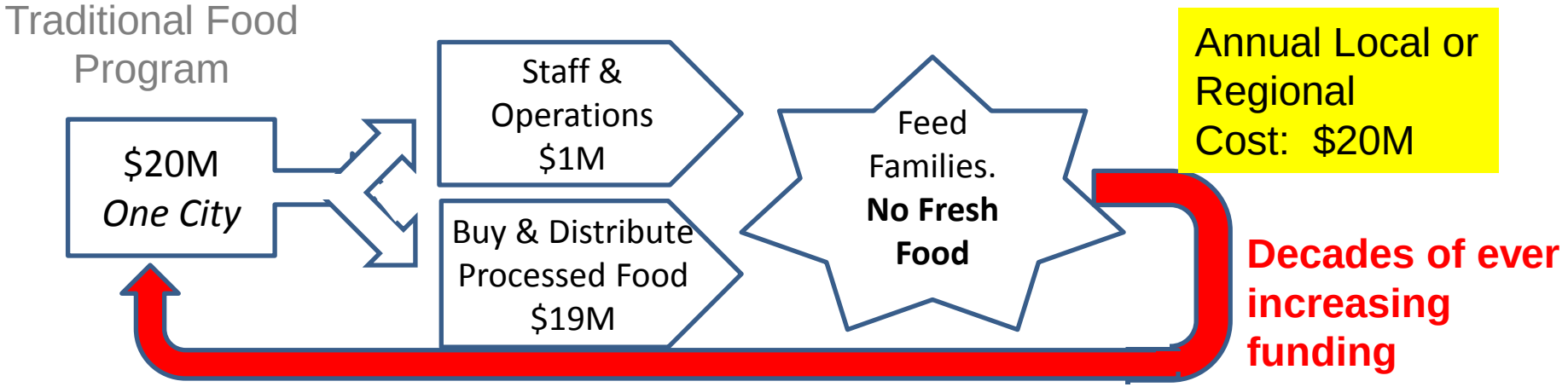
Innovative!

Fiscally & Logistically Efficient Sustainable Long Term Solution



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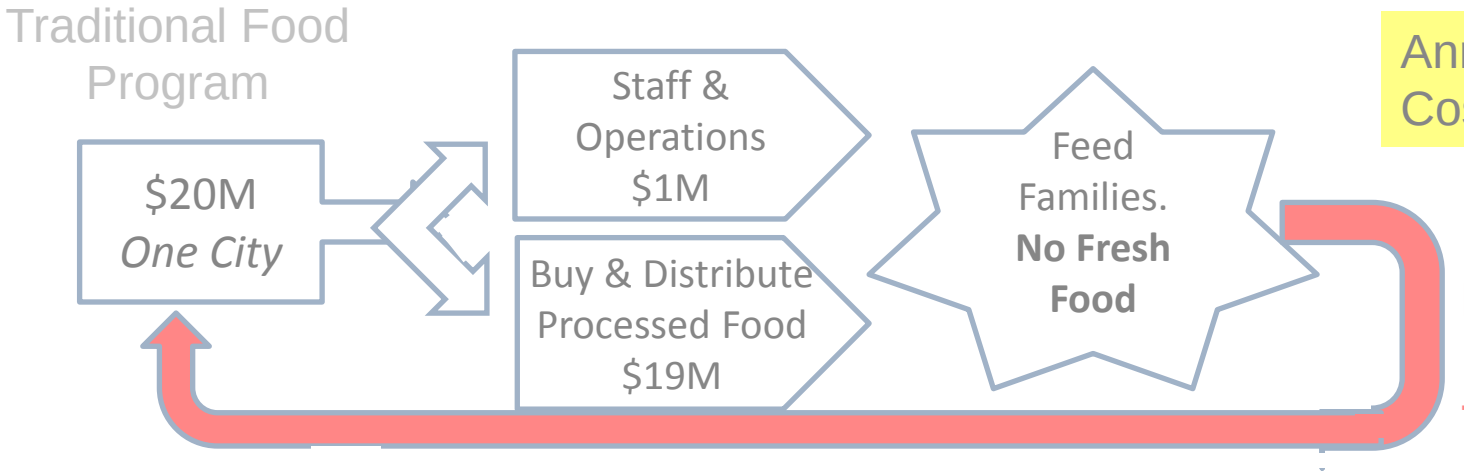
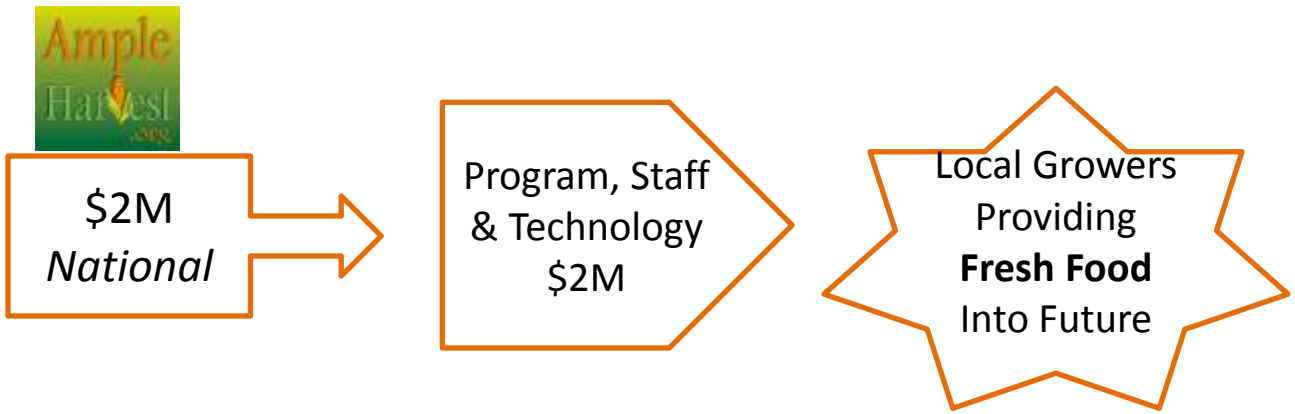
Innovative!

Fiscally & Logistically Efficient Sustainable Long Term Solution





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Joining Our Effort Helps America End Food Waste & Hunger. For Good!

What you can do	How?
Share	www.AmpleHarvest.org/local
Support	www.AmpleHarvest.org/support
Get Keynote Speaker	www.AmpleHarvest.org/speaker
Get Involved	gary@AmpleHarvest.org