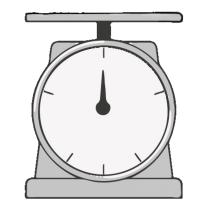
Food Waste and Climate Change: School Solutions

Jennifer Shukaitis Assistant Professor Department of Family & Community Health Sciences Rutgers Cooperative Extension

Background on Food Waste



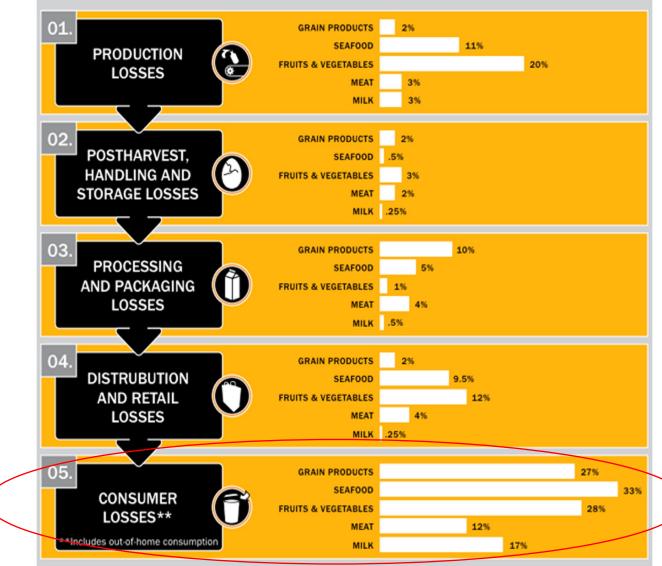
of our food system.



On average, each person wastes more than 20 pounds of food per month 80 billion pounds each year Enough to fill the Empire State Building 1,000 times.

NORTH AMERICAN* FOOD LOSSES AT EACH STEP IN THE SUPPLY CHAIN

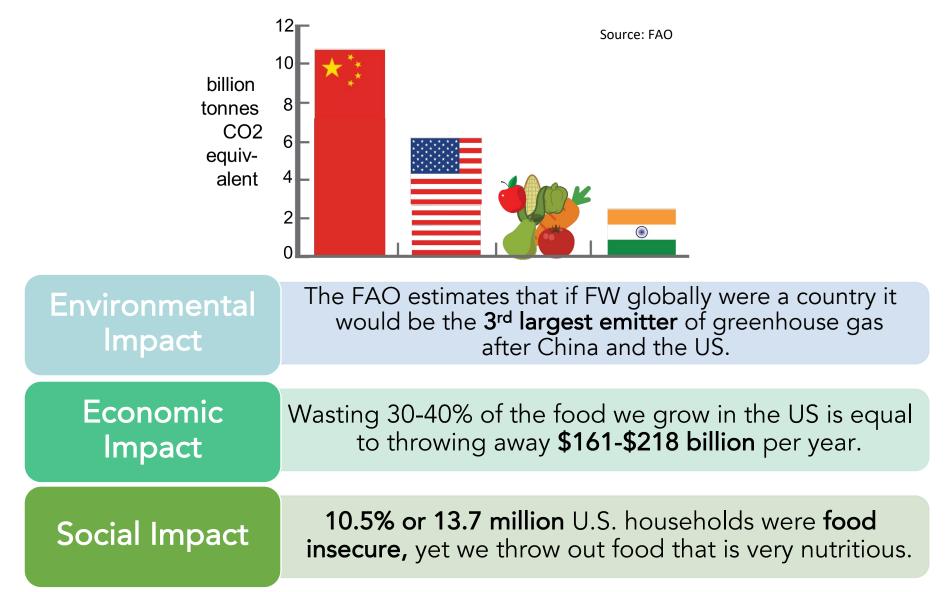
*Percentages calculated collectively for USA, Canada, Australia, and New Zealand.



Where Does Food Loss & Food Waste Happen?

Food and Agriculture Organization of the United Nations-Sustainability Pathways http://www.fao.org/nr/sustainability/food-lo Source: Food and Agriculture Organization 2011 Gunders, Dana. (2012). Wasted: How America Is Losing Up to 40 Percent of Its Food from Farm to Fork to Landfill. Retrieved from Wasnington, D.C.

Why Food Waste Matters



Focus on School Food Waste



- Stowng students to consider the phone bruck of feed term for person phone stream the school cars.
- Dang ardinetics lates on the Senarter Landscores Self-Assessment Score Cant while to two your could wave
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- A 1 Togli Latin .

USDA

- Collectors ing with loss farmers on compacting or feedbackspectores.
- Collecting excess a placene web, here calments denote a horizoid e vigo racion.
- Sign up for the U.S. Food Winter Challenge to chare your very on the spin the relating render (by the hydrog back size).

The State of New Jersey School Food Waste Guidelines





K-12 Schools Edition

November 2019



New Jersey Department of Environmental Protection New Jersey Department of Agriculture New Jersey Department of Education New Jersey Department of Health New Jersey Office of the Sceretary of Higher Education





School Solutions in Action: Training Food Service Staff

Paterson Public Schools



Through a partnership with the Paterson
Public Schools we implemented an
intervention to reduce cafeteria food
waste

Intervention Design



Food Waste Audit



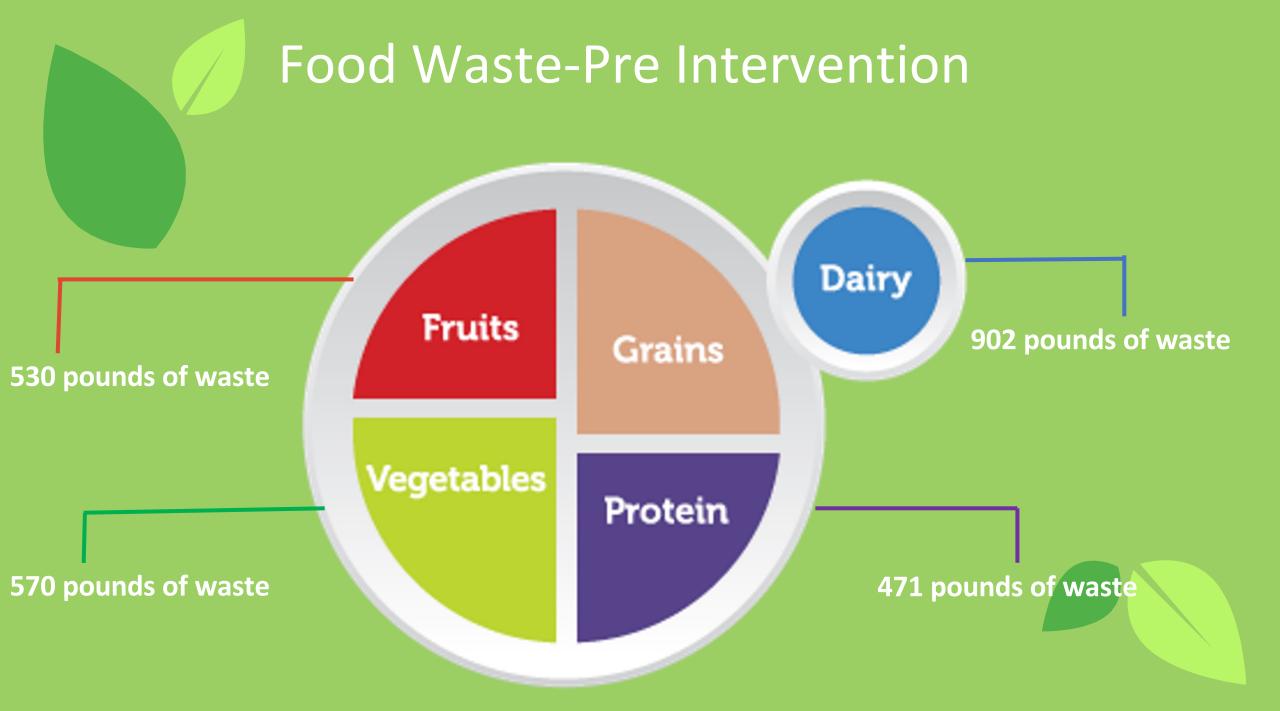
Training School Food Service Personnel Smarter Lunchroom Movement, OvS, Share Tables



Technical Assistance



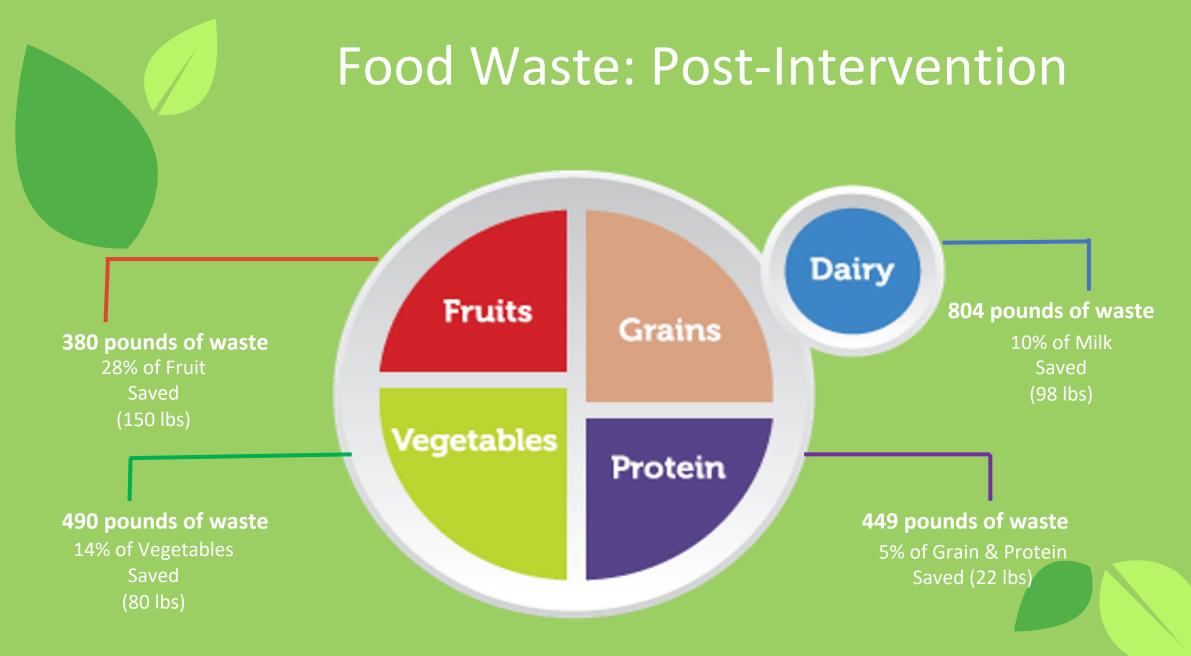
Repeat of Food Waste Audit



2,473 pounds

Wasted in our 30 visits in schools





350 pounds

of food saved after our training



17% Reduction in Food Waste



What does this mean?

 ~12 pounds of waste SAVED per school per day

- ~2,160 pounds of waste SAVED a year per school.
- ~90,720 pounds of food waste SAVED for the whole district for the year.

\$76,452

cost savings for the school district per yea







COVID

NJDEP to the Rescue

- NJ DEP Recycling Enhancement Act FY 2021
- Proposal: Create a curriculum that teaches kids about food waste & climate change
- (Did you know that NJ is the first state in the country to mandate climate change education for K-12?)





Now what?



AmeriCorps

NJ School Climate Change Corps 10 Service Members

10 school districts

Service Members will:

- Conduct food waste audits
- Train food service staff
- Teach 5th graders about food waste & climate change



What questions do you have?