



Sustainability Office



NC Restaurant & Lodging Association



TRIANGLE J COUNCIL OF GOVERNMENTS



Wake County Food Recovery Summit February 2017

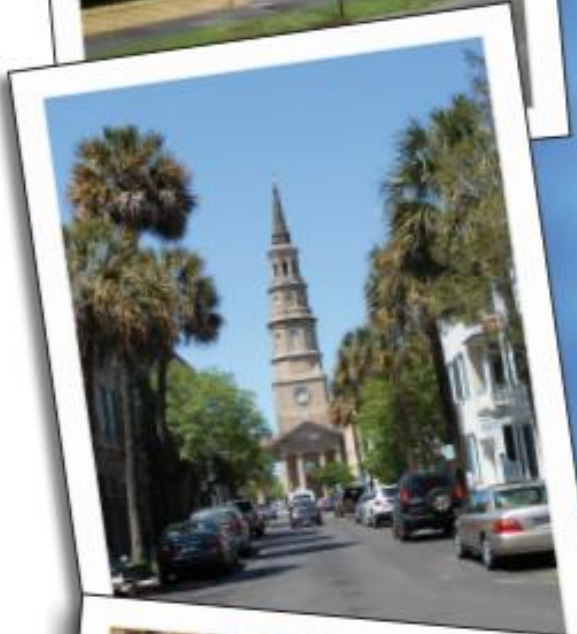


Framing the Issue: Hunger & Food Waste

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NC Division of Environmental Assistance & Customer Service
NC Department of Environmental Quality

Wake County Food Recovery Summit
Raleigh, North Carolina
February 6, 2017





FOOD

RECOVERY SUMMIT

Charleston, SC • November 16-18, 2015

HOSTED BY





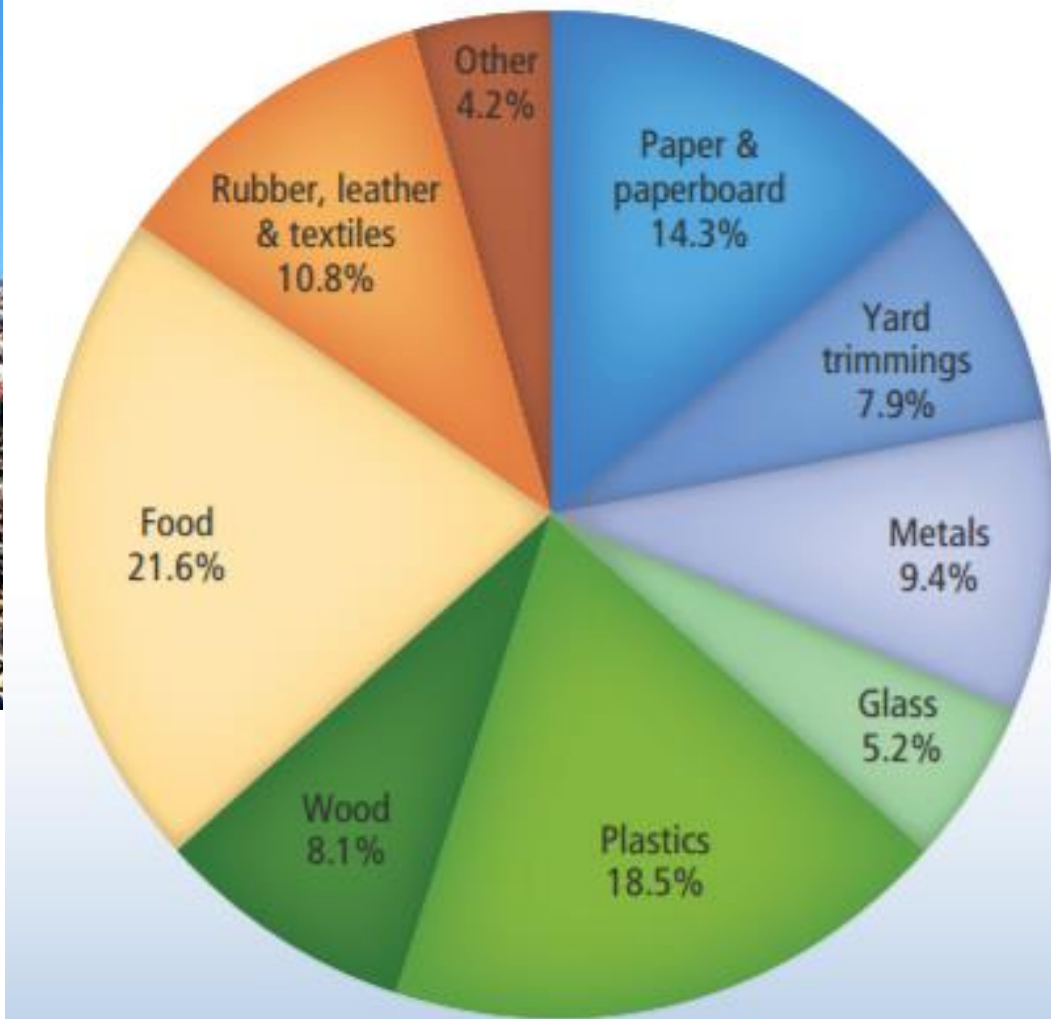


Food Waste

Any food that is grown and produced for human consumption but ultimately is not eaten; including food residuals, and food manufacturing byproducts.

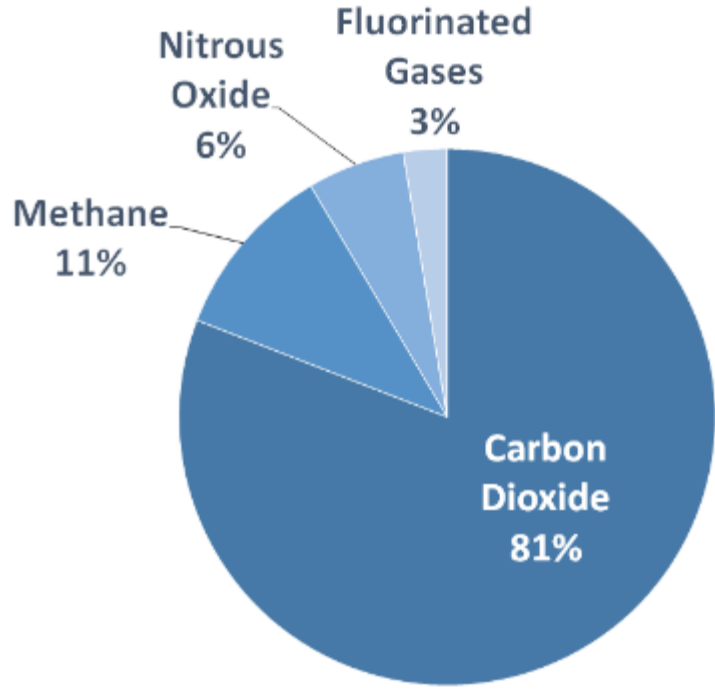


**Figure 8. Total MSW Landfilled (by material), 2014
136 Million Tons**



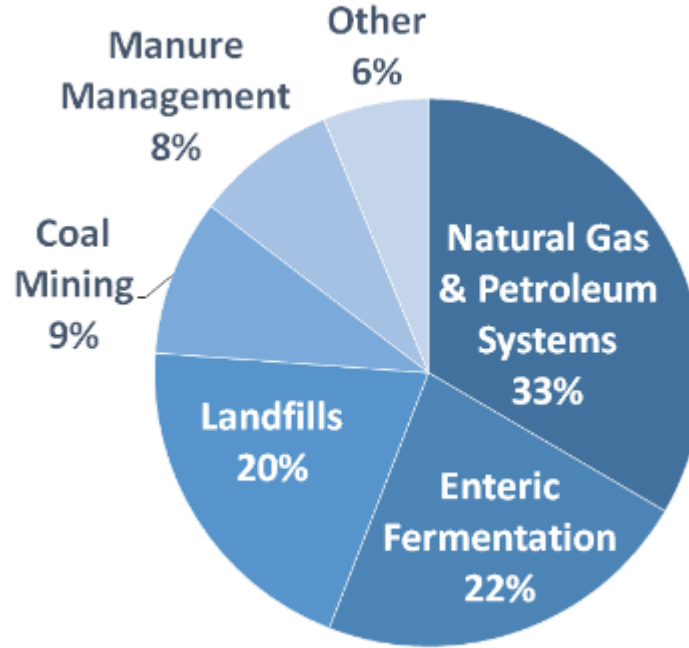
Wasted: How America Is Losing Up to 40 Percent of Its Food from Farm to Fork to Landfill

U.S. Greenhouse Gas Emissions in 2014



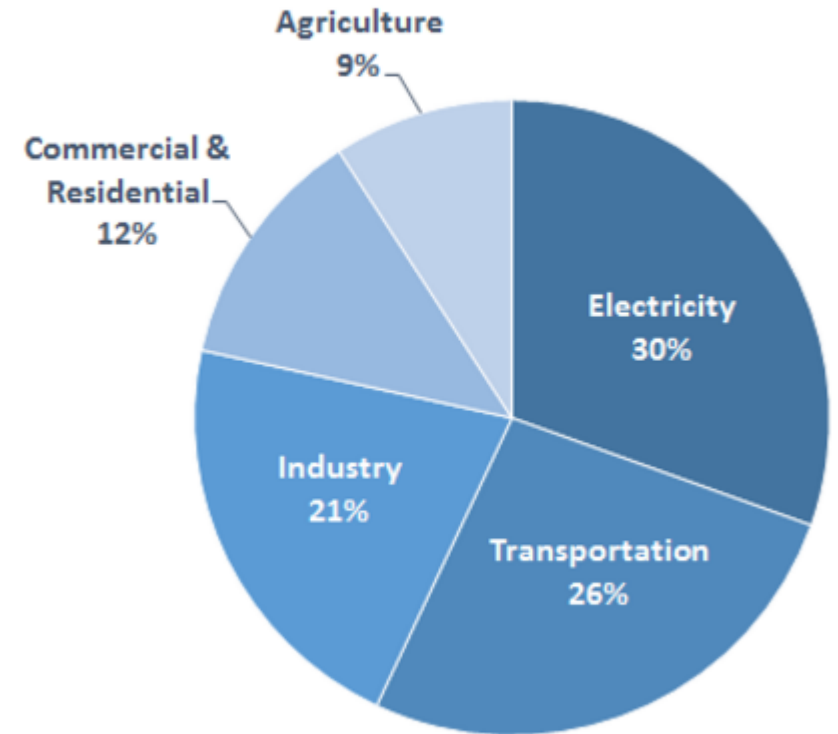
Total Emissions in 2014 = 6,870 [Million Metric Tons of CO₂ equivalent](#).

U.S. Methane Emissions, By Source



Note: All emission estimates from the [Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2014](#).

Total U.S. Greenhouse Gas Emissions by Economic Sector in 2014



Total Emissions in 2014 = 6,870 [Million Metric Tons of CO₂ equivalent](#)

EPA Sources from left to right:

Greenhouse Gas Emissions by type: <https://www.epa.gov/ghgemissions/overview-greenhouse-gases>

Methane Emissions by source: <https://www.epa.gov/ghgemissions/overview-greenhouse-gases>

Greenhouse Gas Emissions by economic sector: <https://www.epa.gov/ghgemissions/sources-greenhouse-gas-emissions>

Boneless Skinless Chicken Breast

BEST IF USED.



ITEM #020213

TOTAL PRICE

\$1,500.00

**A FAMILY OF FOUR SPENDS \$1500
A YEAR ON FOOD THEY DON'T EAT**

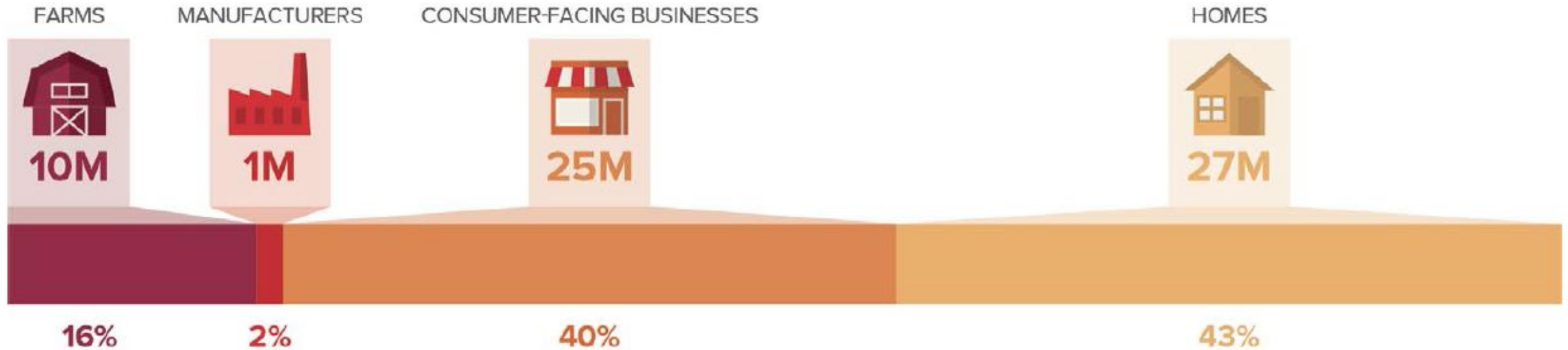
COOK IT, STORE IT, SHARE IT.
JUST DON'T WASTE IT.

SAVETHEFOOD.COM



Rethink Food Waste *Through Economics and Data*

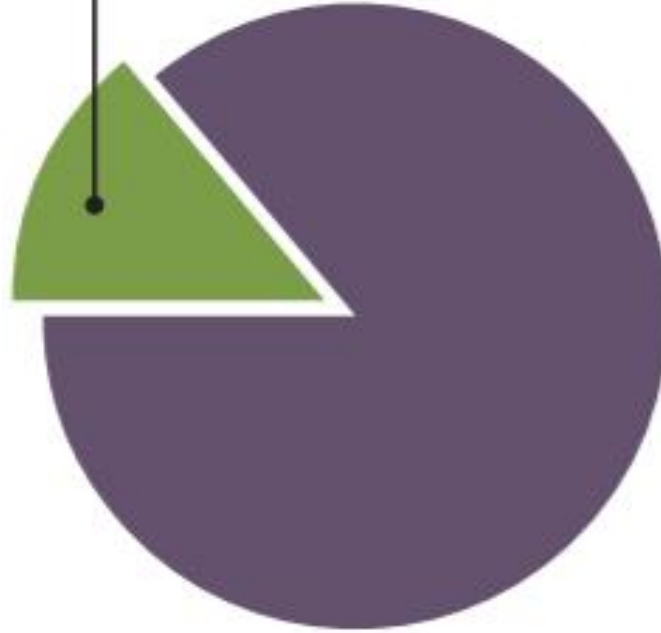
FOOD WASTED BY WEIGHT — 63 MILLION TONS



How much is edible?
How much are you paying to dispose of excess food?

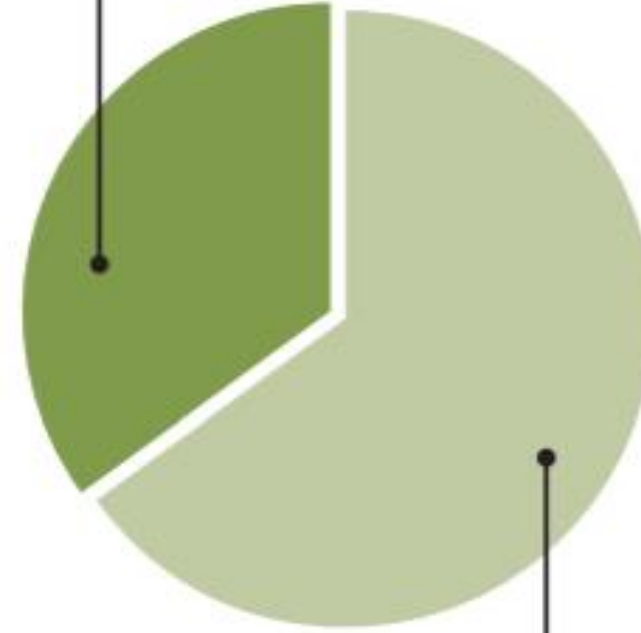
13.8%

**131,800 people
are food insecure
in Wake County.**



33.9%

**44,730 children under
18 are food insecure
in Wake County.**



66.1%

**87,070 adults over 18
are food insecure in
Wake County.**

North Carolina 2012 Food Waste Generation Study

August 2012



A comprehensive report quantifying the amount of food waste generated in North Carolina by residents and commercial businesses.



2012 Wake County

Estimated 107,100 tons of MSW food waste
952,143 (2012 population)

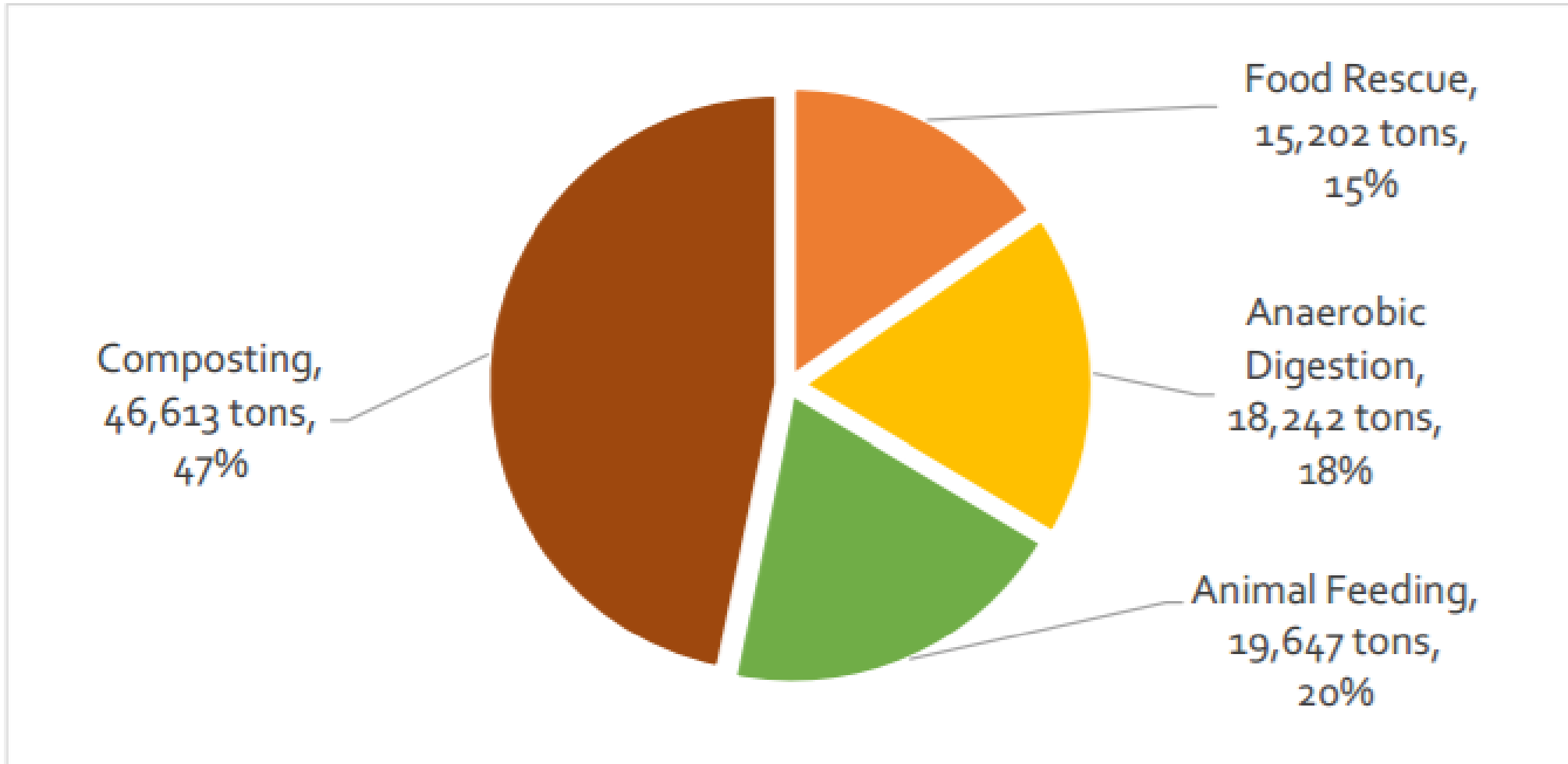
225 lbs food waste/Wake County resident/year

How much is edible?

Source: NC DEQ North Carolina 2012 Food Waste Generation Study

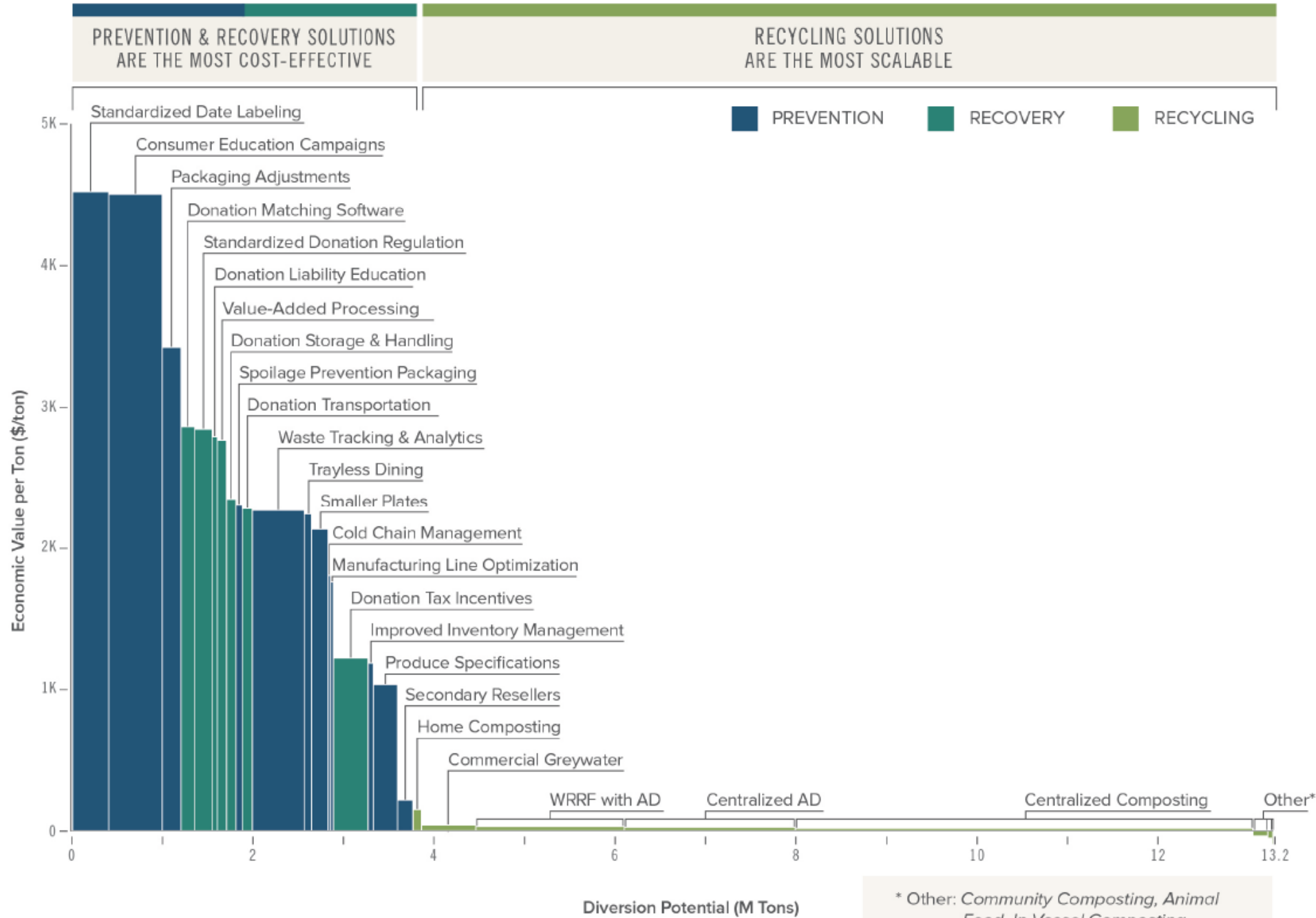
<https://ncdenr.s3.amazonaws.com/s3fs-public/North%20Carolina%202012%20Food%20Waste%20Generation%20Study.pdf>

Figure 16 – 2015 Food diverted from the landfill through food rescue/donations, anaerobic digestion, animal feeding, and permitted commercial composting facilities (total 99,704 tons diverted).





MARGINAL FOOD WASTE ABATEMENT COST CURVE



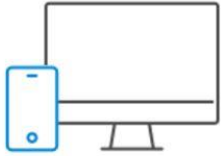
* Other: Community Composting, Animal Feed, In-Vessel Composting



GIVE FOOD

RECEIVE FOOD

1. Sign Up Online



2. Wait for a Match



3. Connect with Your Driver



FOOD COWBOY

USES LOCATION-BASED TECHNOLOGY TO ROUTE FOOD "WASTE" TO ITS HIGHEST AND BEST USER



FOOD RESCUE US

formerly community plates



Donate



Deliver



Feed



Freshspire connects people with their grocers, rerouting food that would otherwise be wasted.



"LIKE MATCH.COM FOR FOOD WASTE"

- MODERN FARMER

NORTH CAROLINA FOOD RECOVERY PLAN?

