Collaborative Approach for a Resilient Maricopa County: Sustainability Benchmark Recommendations

SOS 498: Urban Sustainability Best Practices Application
Fall 2018
Food and Agriculture in Maricopa County

Outline:
- Hunger, Food Insecurity, and Food Access
- Diet Related Health
- Food Waste
- Food Literacy
- Agriculture
20% of Maricopa County Residents are characterized as “Low Access”

37% of Maricopa County Residents are characterized as “Low Income”

5.7% of Maricopa County Residents are characterized as “Low Income and Low Access”
Is the Focus on Food Deserts Fruitless? Retail Access and Food Purchases across the Socioeconomic Spectrum

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Abstract

Using novel data describing the healthfulness of household food purchases and the retail landscapes consumers face, we measure the role of access in explaining why wealthier and more educated households purchase healthier foods. We find that spatial differences in access, though significant, are small relative to spatial differences in the nutritional content of sales. Socioeconomic disparities in nutritional consumption exist even among households with equivalent access, and the healthfulness of household consumption responds minimally to improvements in local retail environments. Our results indicate that access-improving policies alone will eliminate less than one third of existing socioeconomic disparities in nutritional consumption.
Berkeley breaks through on soda tax

By HELENA BOTTEMILLER EVICH | 11/05/2014 03:18 AM EST | Updated 11/09/2014 10:39 PM EST

Berkeley, California, a city known for its progressive politics, made history Tuesday night by approving the first real sin tax on soda in the United States.

Voters approved Measure D, a penny-per-ounce tax, by a 3-to-1 margin after a bitter campaign battle, with the beverage industry spending more than $2.1 million to oppose the initiative. The pro-tax campaign was bolstered by more than $650,000 from former New York City Mayor Michael Bloomberg.
40% of U.S. food is wasted each year while 1 in 8 Americans don’t know where their next meal will come from.
A ROADMAP TO REDUCE U.S. FOOD WASTE BY 20 PERCENT

2016

Food Recovery Hierarchy

- Source Reduction
- Feed Hungry People
- Feed Animals
- Industrial Uses
- Composting
- Incineration or Landfill

United States Environmental Protection Agency

Too Good To Waste

food
MarCo’s Farmland has been in free fall since the 1950’s due to urban sprawl and water doctrine.
One of MarCo’s few renewable sources of water is over allocated and in decline.
Lorenz Curve of Farmland

- If Every Farm was of Equal Size
- MarCo's Distribution of Farmland

Most of MarCo’s Farmland is held by a few big farmers.

Gini Coefficient = 0.93