



Indicators for the GO TO 2040 plan update

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Environment and Natural Resources Committee

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CMAP



GO TO

20

40



Indicator Review Process

- **Assess GO TO 2040 indicators**
- Develop list of proposed indicators for plan update
- Develop new and revised indicator target values



Indicator Review Process

- **Assess GO TO 2040 indicators**
 - *Reasonable measure of what plan hopes to achieve?*
 - *Understandable to non-planner?*
 - *Are there quality issues with underlying data?*
 - *What level of effort is required to update indicator?*
 - *Can it be updated frequently enough to serve as benchmark?*
 - *Is there an alternative data set available?*
 - *Indicator should be based on actual measured values, not modeled or estimated*

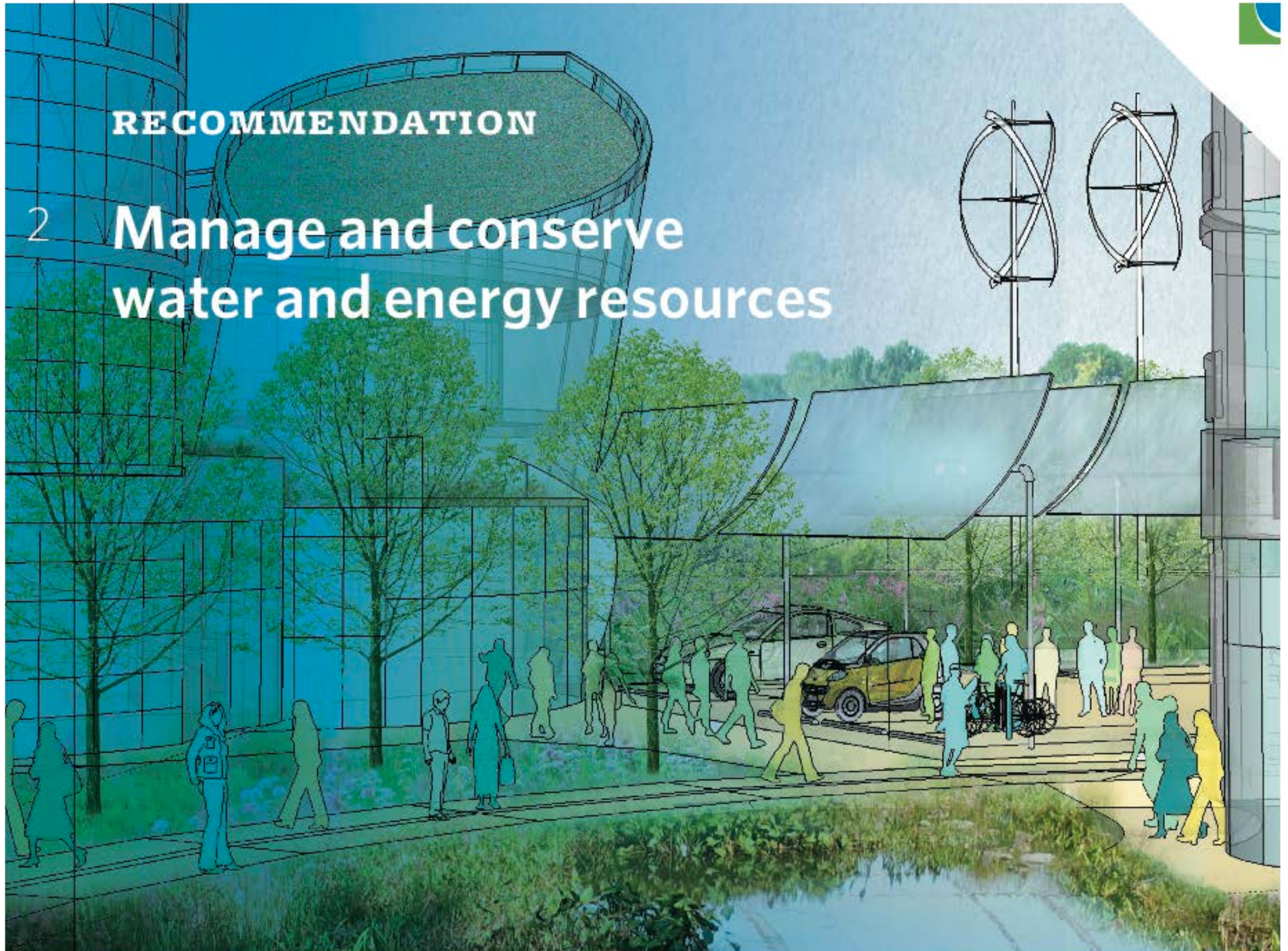


Indicator Review Process

- **Assess GO TO 2040 indicators**
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RECOMMENDATION

2 Manage and conserve water and energy resources





Water Demand

Millions of gallons of water per day:

- public supply
- self-supplied industrial and commercial
- self-supplied domestic
- irrigation and agriculture
- power generation



Water Demand

- Water 2050: Northeastern Illinois Water Supply/Demand Plan
- Future projections developed by Southern Illinois University
- 11-county regional water supply planning area



Public Supply Water Demand

Water withdrawn, treated, and delivered to users via public water supply

- 80% of water demand in region
- County-level data published by U.S. Geological Survey
- Focus on 7-county region

Manage & Conserve Water and Energy Resources



Acres of Connected Impervious Area

Amount of impervious surfaces that cause runoff and drain directly to surface waters

Manage & Conserve Water and Energy Resources



Acres of Impervious Area

**No change in measurement – merely
clarification**



Kindred Indicators

- Secondary measures to supplement the plan performance measures
- Useful in annual GO TO 2040 Moving Forward implementation reports
- Tell a more complete story of progress and address data gaps



Kindred Indicators

- **Lake Michigan withdrawals**
- **Deep Bedrock aquifer withdrawals**



Greenhouse Gas Emissions

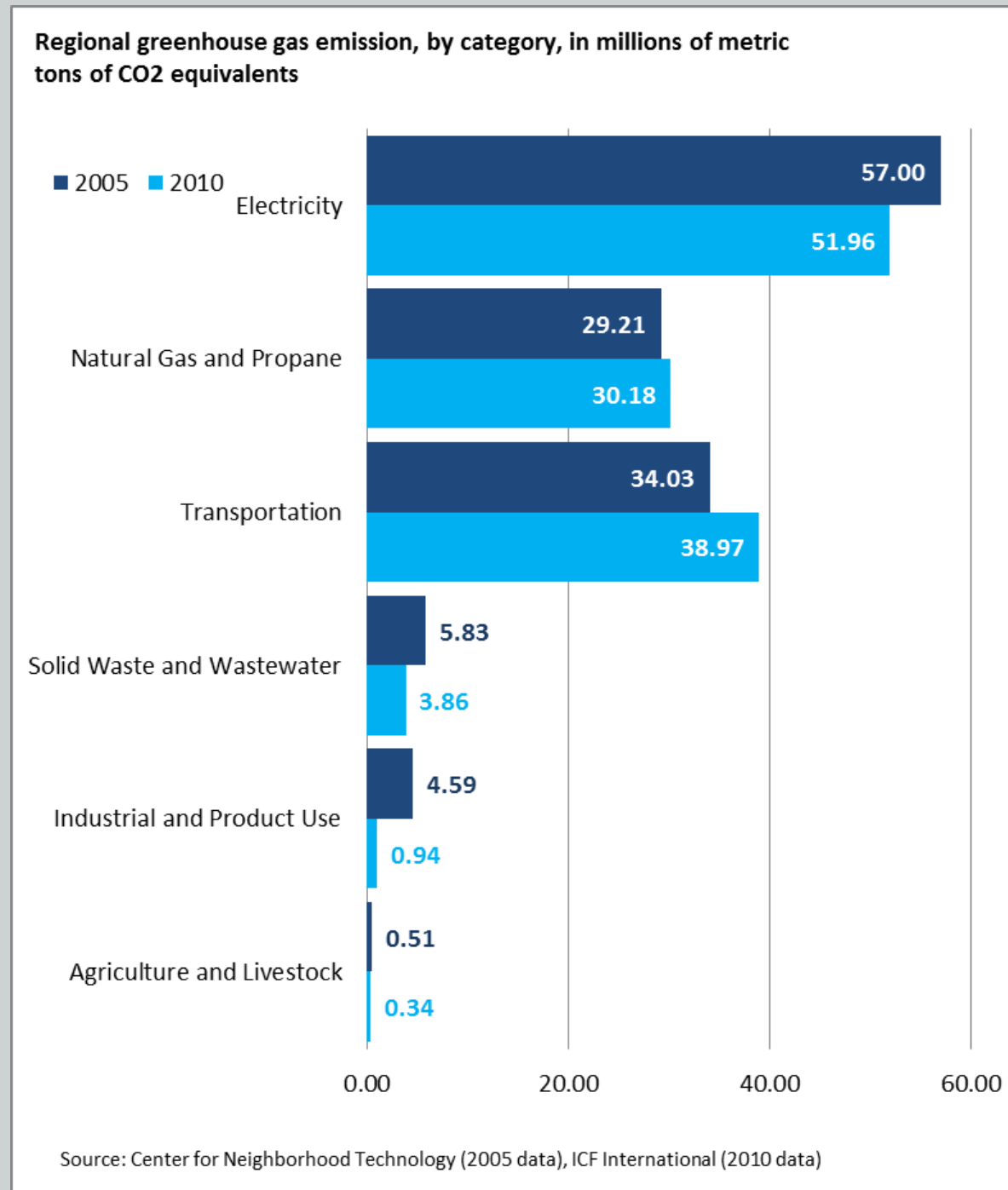
Total GHG emissions in region

MMTCO₂e – million metric tons of carbon dioxide equivalents

Manage & Conserve Water and Energy Resources



Greenhouse Gas Emissions



Manage & Conserve Water and Energy Resources



Greenhouse Gas Emissions

no change proposed for plan update



RECOMMENDATION

3

Expand and improve parks and open space



Expand and Improve Parks and Open Space

Acres of Conservation Open Space

Acres in the region geared for recreation (parks) or conservation (preserves and natural areas)



Expand and Improve Parks and Open Space

Acres of Conservation Open Space

no change proposed for plan update

Expand and Improve Parks and Open Space



Regional Access to Parks

**Aggregate measure of park accessibility
based on proximity to park land**

- Dense areas: population with access to 4 acres per 1,000 people
- Less dense areas: population with access to 10 acres per 1,000 people



Expand and Improve Parks and Open Space

Regional Access to Parks

no change proposed for plan update

Expand and Improve Parks and Open Space



Trail Greenway Mileage

Trail greenways are off-street trails for walking or bicycling that connect parks or conservation areas



Expand and Improve Parks and Open Space

Trail Greenway Mileage

no change proposed for plan update



Kindred Indicator

Percentage of Regional Trails Plan Completed

- Total miles of trails in Northeastern Illinois
Regional Greenways and Trails Plan completed
or let

RECOMMENDATION

4 Promote sustainable local food





Acres of Land Harvesting Food for Human Consumption

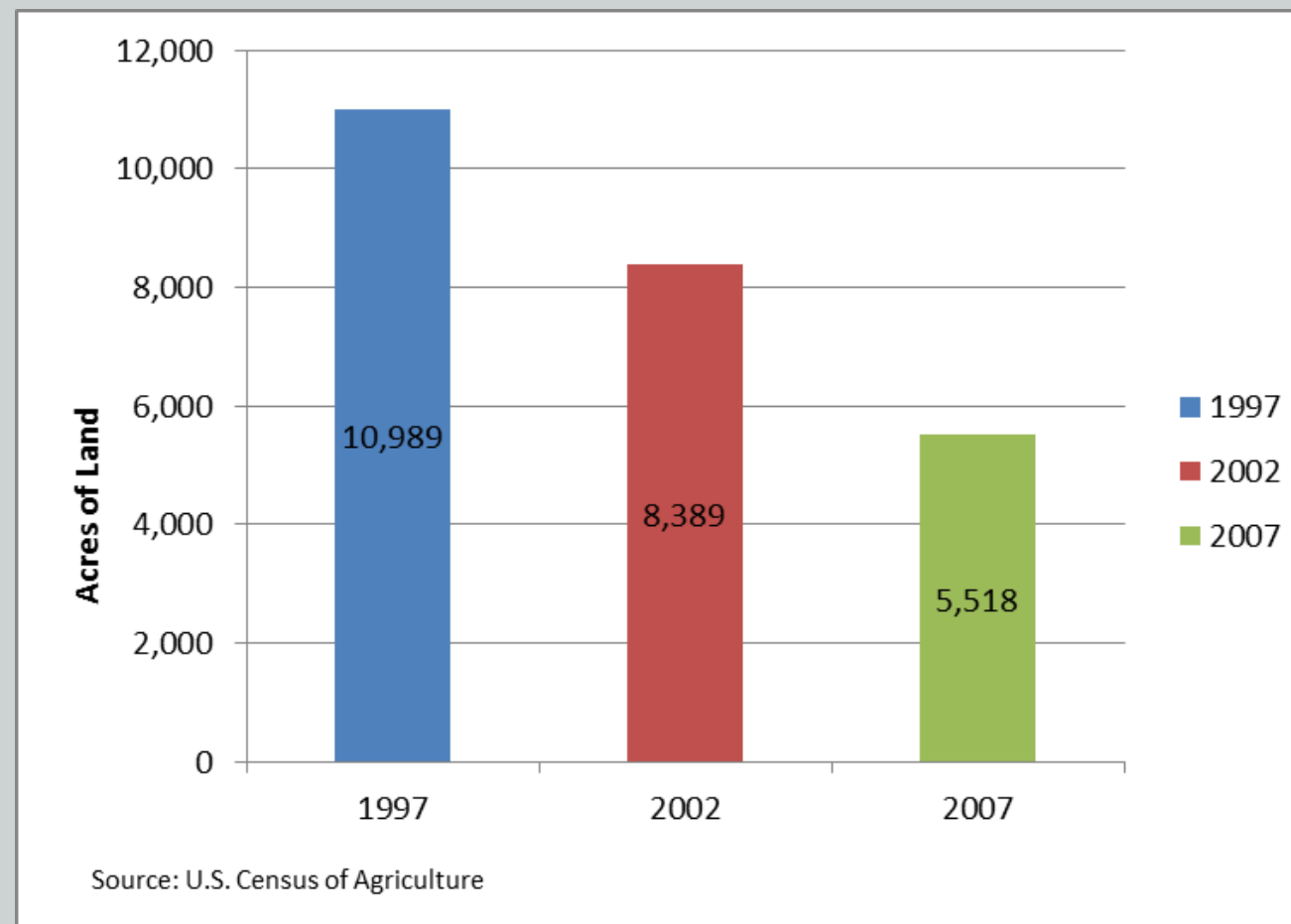
Direct consumption includes:

- Orchards
- Peanuts
- Potatoes and sweet potatoes
- Vegetables



Promote Sustainable Local Food

Acres of Land Harvesting Food for Human Consumption





Promote Sustainable Local Food

Acres of Land Harvesting Food for Human Consumption

no change proposed for plan update

Promote Sustainable Local Food



Value of Agricultural Products Sold Directly to Individuals for Human Consumption

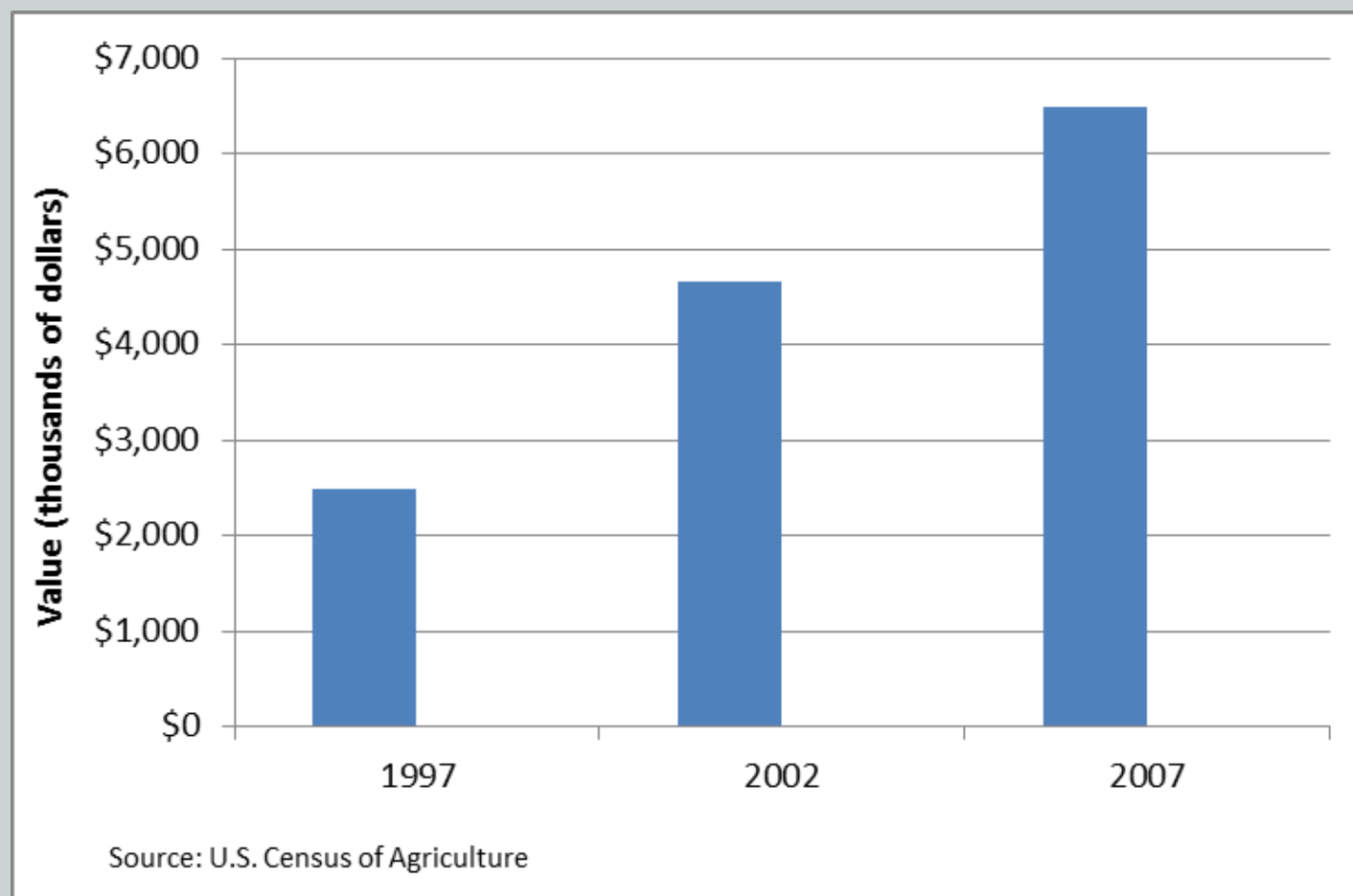
**Dollar value of products sold directly to
individuals for consumption from:**

- Roadside stands
- Farmers' markets
- Pick-your-own sites



Promote Sustainable Local Food

Value of Agricultural Products Sold Directly to Individuals for Human Consumption





Promote Sustainable Local Food

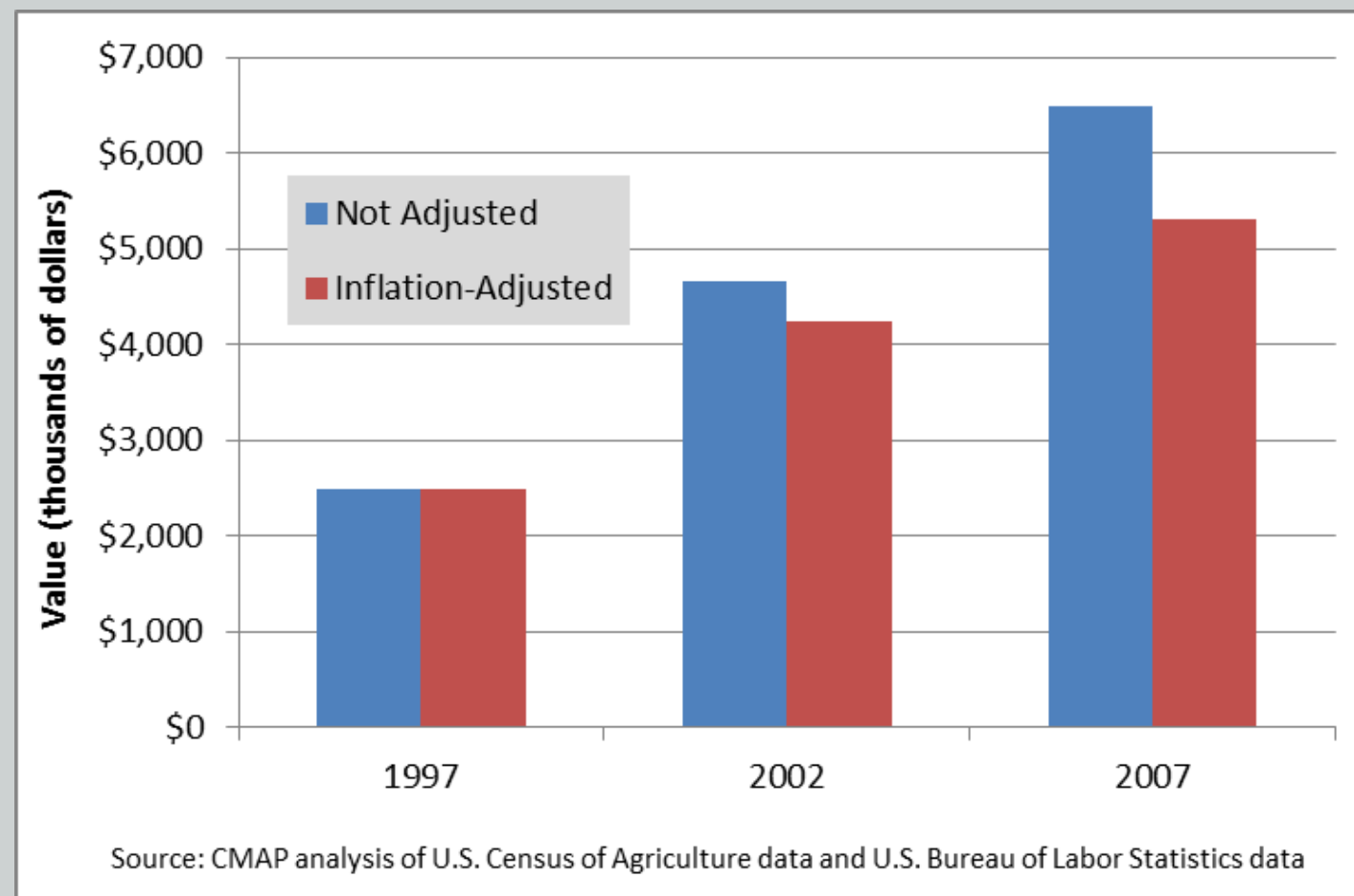
Value of Agricultural Products Sold Directly to Individuals for Human Consumption (Inflation-Adjusted)

- Remove effects of inflation to show true growth in value
- Use Consumer Price Index for “Food at Home” to convert to real dollars
- Convert value to 1997 dollars



Promote Sustainable Local Food

Value of Agricultural Products Sold Directly to Individuals for Human Consumption (Inflation-Adjusted)





Promote Sustainable Local Food

Percentage of Population Living in Food Deserts

- Chicago State University study
- Accessibility to large supermarkets
- Normalized for urban/suburban/rural areas
- Census tracts where median household income below regional median

Low access areas

10 Miles



Promote Sustainable Local Food

Percentage of Population Living in Food Deserts

no change proposed for plan update



Promote Sustainable Local Food

Percentage of Population Living in Food Deserts

Original study –

9% of population low food access

Updated study –

7.4% of population low food access



Kindred Indicator

Farmers' Markets

- Farmers' markets operating in the region
- Offer fresh, affordable food in local communities
- Can fill an important role providing nutritious food to under-served areas



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THANK YOU

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