



Climate Focus Area

January 9, 2020



Agenda

CMAP's climate focus area

Scale of climate issues

Discussion

Next steps

CMAP focus areas

Transportation funding

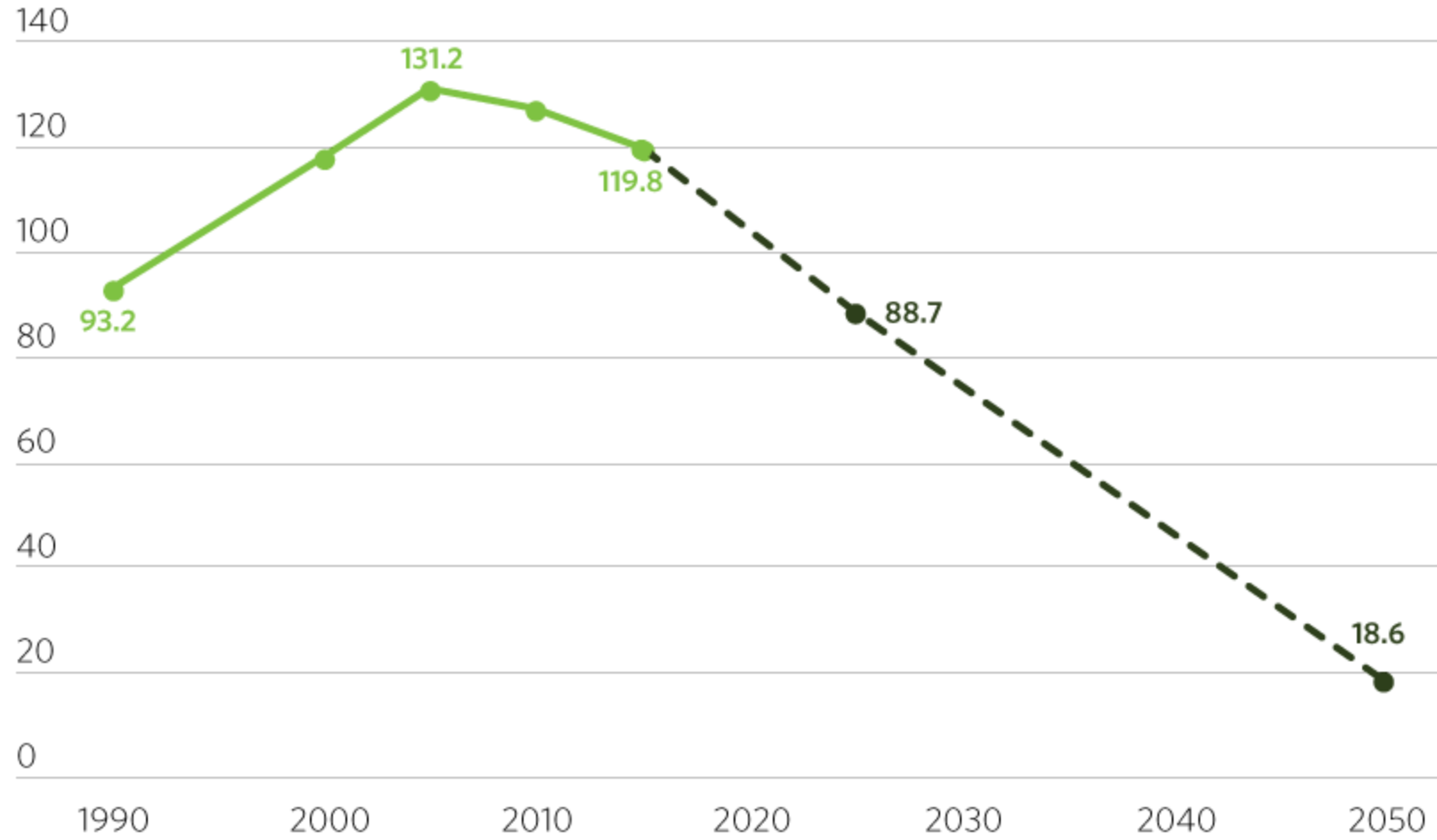
Regional economic competitiveness

Climate

Scale of climate issues

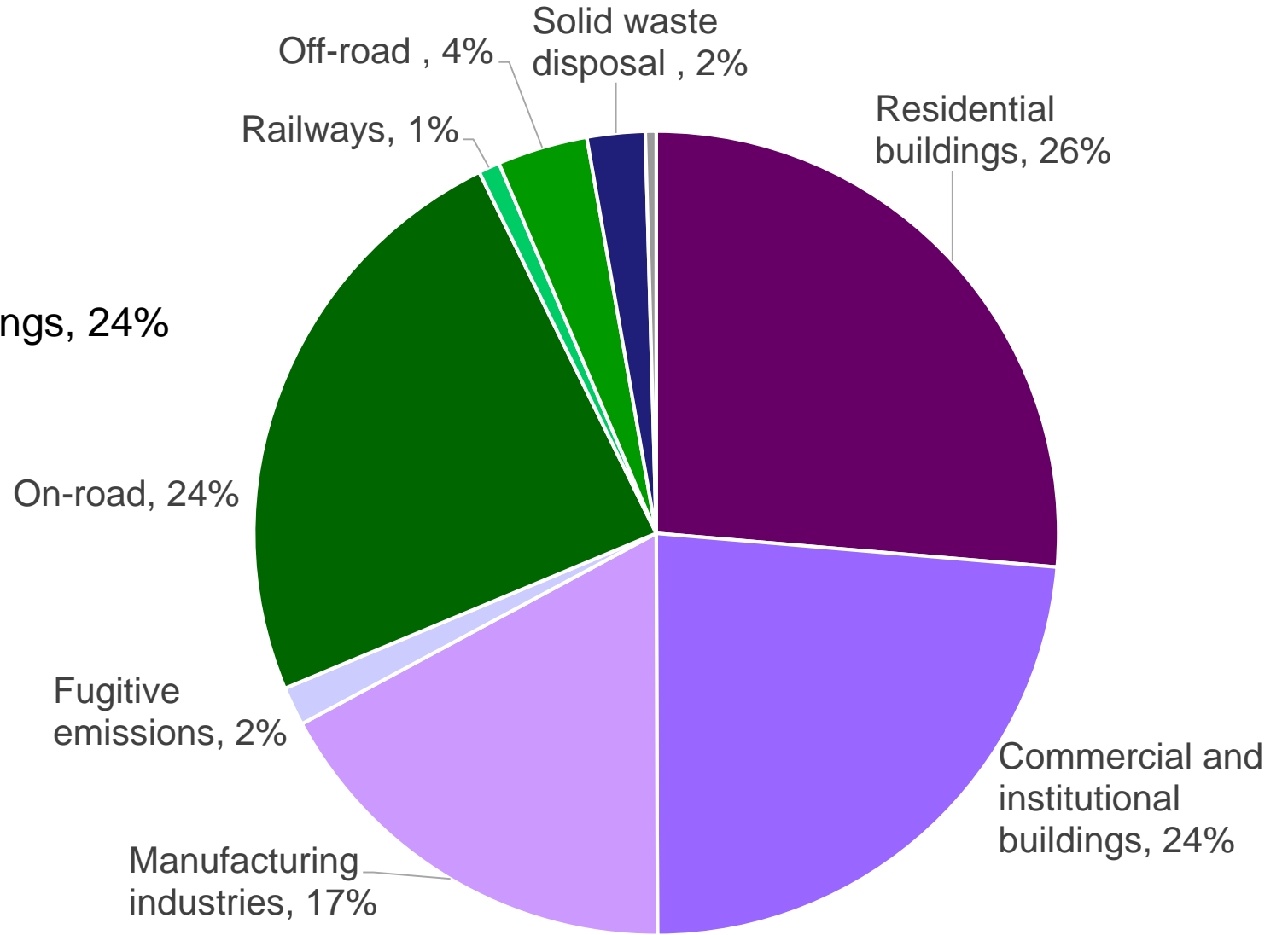
Greenhouse gas emissions for Chicago region, MMTCO₂e

- Actual
- Target



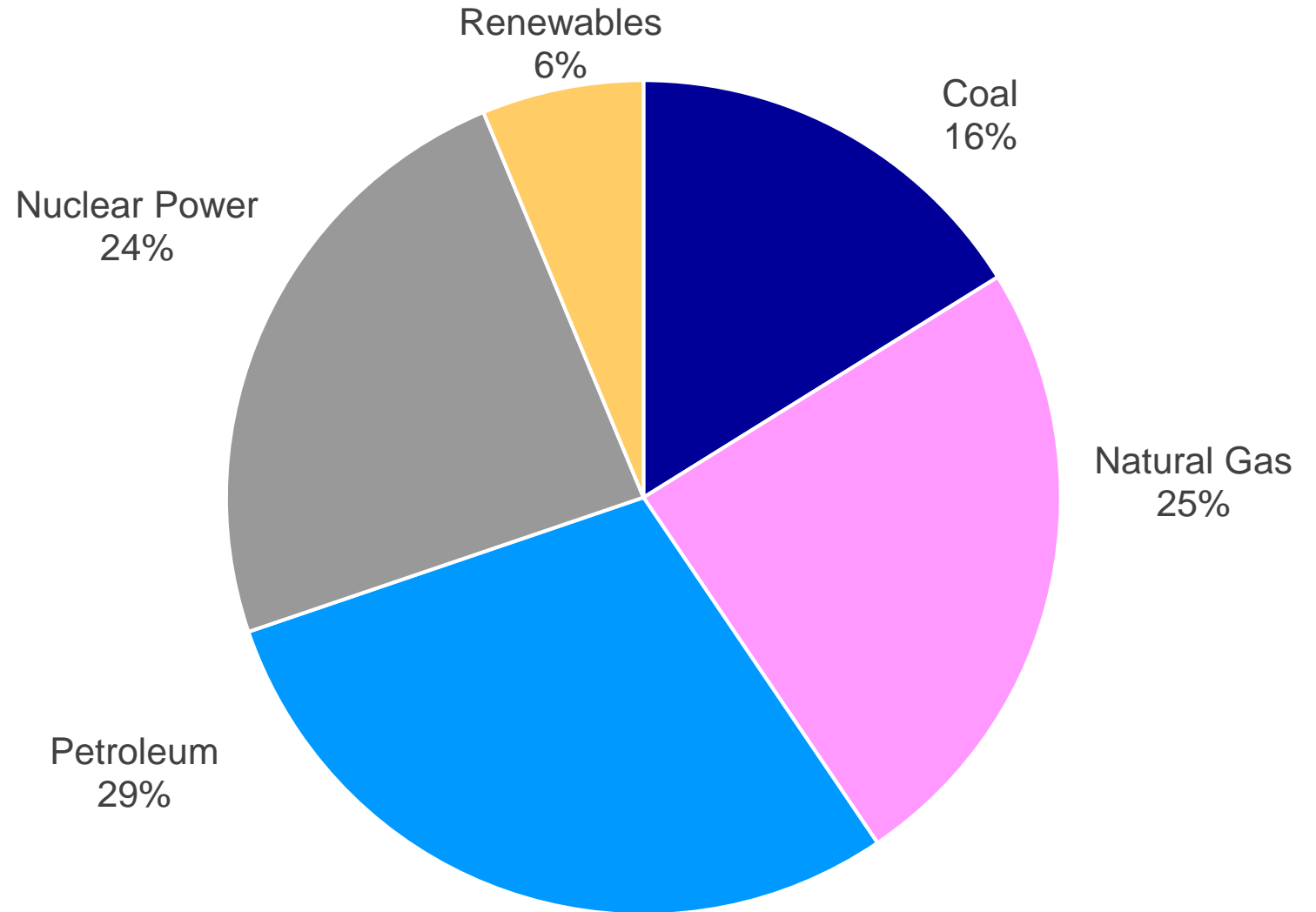
Greenhouse gas emissions by subsector for Chicago region, 2015

- Residential buildings, 26%
- Commercial and institutional buildings, 24%
- Manufacturing industries, 17%
- Fugitive emissions, 2%
- On-road, 24%
- Railways, 1%
- Off-road, 4%
- Disposal of solid waste, 2%
- Other, 0.43%*



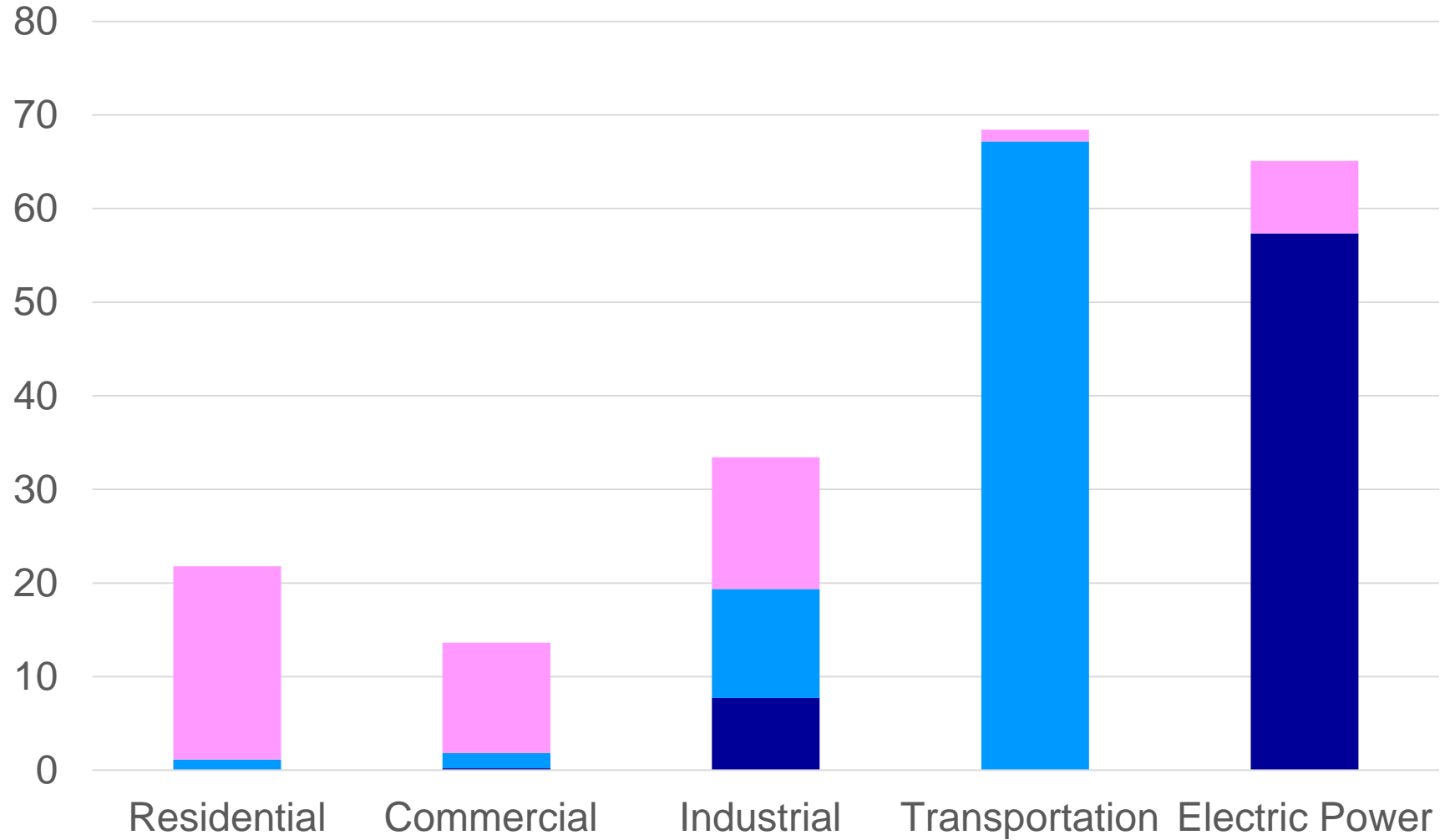
Energy consumption estimates by source for State of Illinois, 2017

- Coal, 16%
- Natural Gas, 24%
- Petroleum, 29%
- Nuclear, 24%
- Renewables, 6%



Carbon dioxide emissions data by subsector for State of Illinois, 2017, MMTCO₂

- Coal
- Petroleum products
- Natural gas



A commitment to electrification and decarbonization makes it substantially easier to meet our energy demands.



Before:
100 Quads
Required

75 Quads

59 Quads

53 Quads

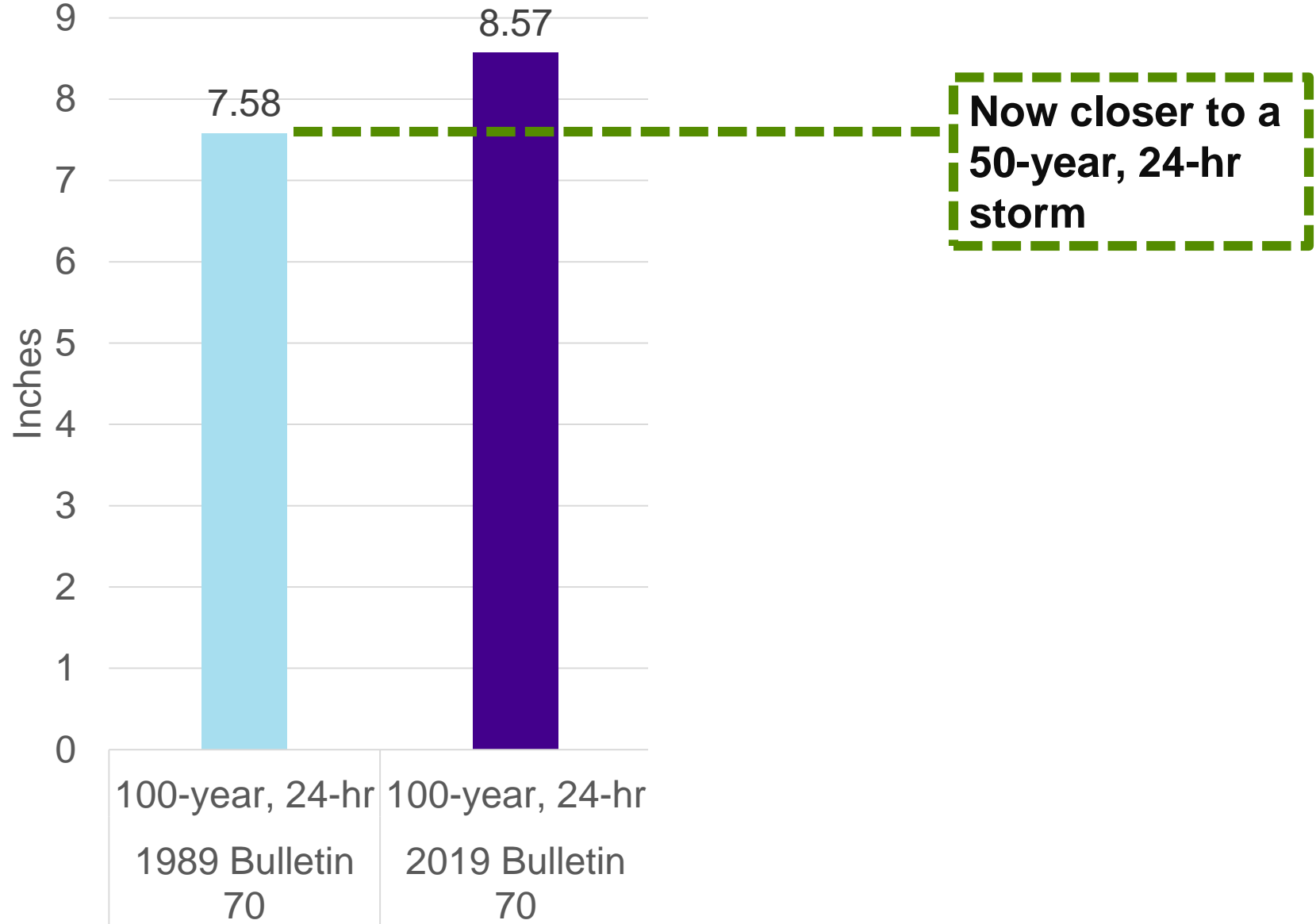
47 Quads

42 Quads

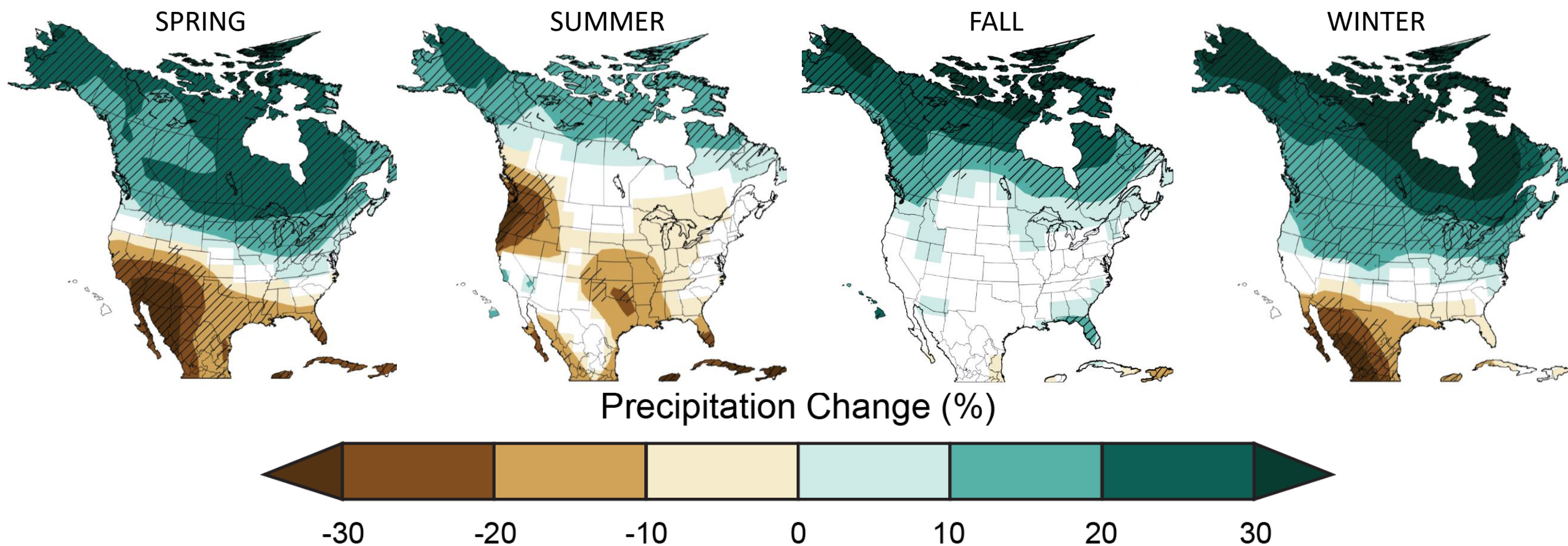
After :
42 Quads
Needed.

Comparison of rainfall amounts in Northeast Illinois

- Older standard
- Updated Bulletin 70

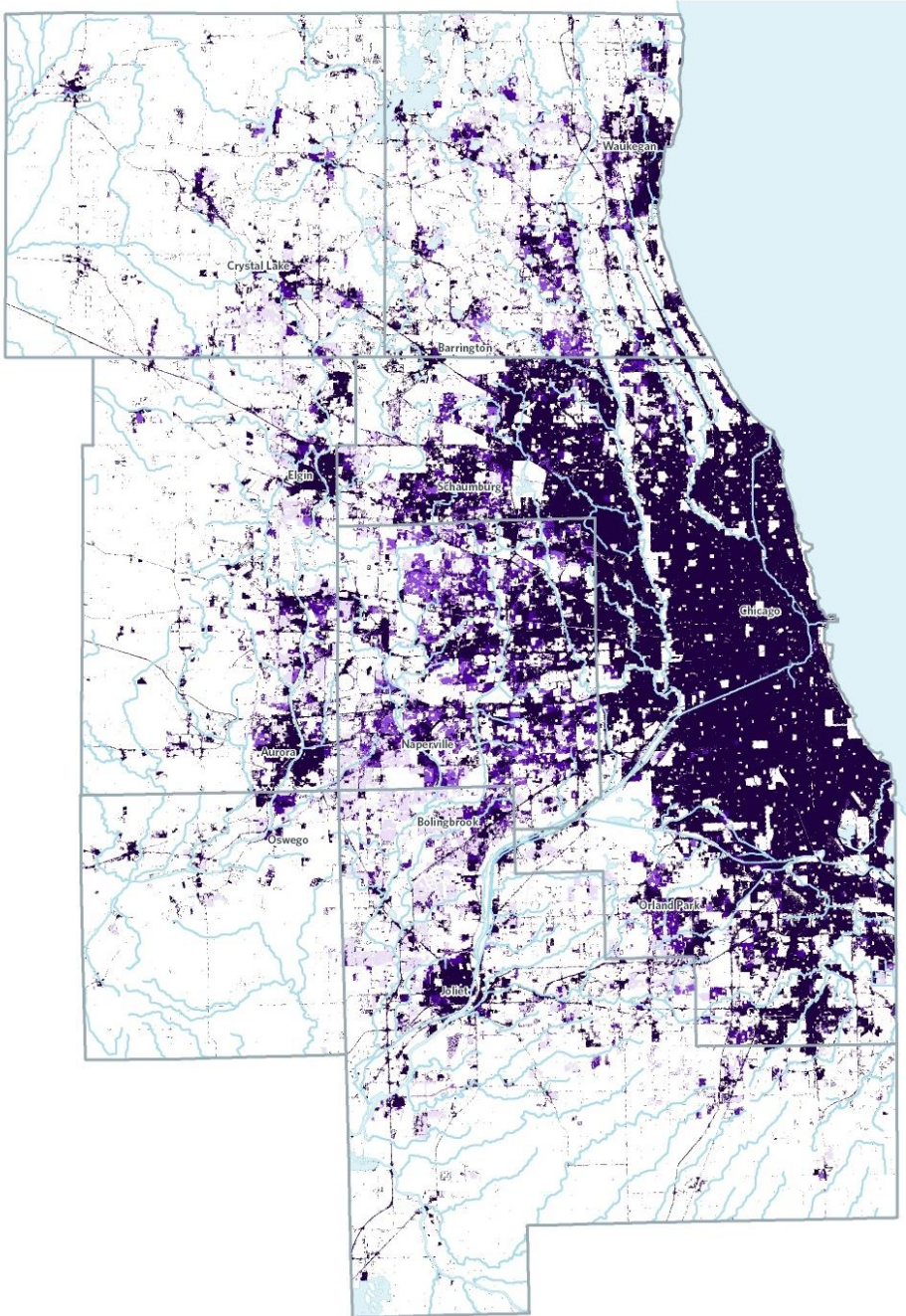


Higher emissions (A2) scenario, 2071-2099



Age of first development

- Prior to 1974
- 1974 - 1981
- 1982 - 1991
- 1992 - 2012



Discussion

Questions

- 1. What are the big actions that need to occur and who are the influential actors in that space in Illinois or the Chicago region?**

CMAP program areas

Planning Resources

Collaborating with communities to address local and regional challenges

Policy Development

Seeking solutions to complex regional issues

Research and Innovation

Creating new tools and methods to inform data-driven decisions

Transportation Programming

Investing the region's federal transportation funds efficiently and effectively

Leadership Development

Expanding the ability of individuals and communities to succeed

Civic Coordination

Bringing communities and partners together to achieve common goals

Questions

2. Which of these are aligned with one of more of CMAP's six program areas?

Questions

3. Which present the best opportunities for CMAP to advance action / change?

Questions

4. Who are the critical people/organizations CMAP should be communicating with as we develop our approach?



www.cmap.illinois.gov/onto2050

Jason Navota
jnavota@cmap.illinois.gov

Nora Beck
nbeck@cmap.illinois.gov