Proposed ON TO 2050 Environment Recommendations

CMAP Land Use Committee March 21, 2018



## Foundation from GO TO 2040

#### **Environmental recommendation areas**

- Manage and Conserve Energy and Water Resources
- Expand and Improve Parks and Open Space
- Promote Sustainable Local Food

# **Other environmental themes**

Greenhouse gas emission reductions, climate mitigation, brownfield remediation



# **Environment Chapter Goals and Recommendations**

# A region prepared for climate change

- Plan for climate resilience
- Intensify climate mitigation efforts

# **Development practices that protect natural resources**

- Improve natural resources through the redevelopment process
- Preserve and enhance key natural and agricultural areas

#### Integrated approach to water resources

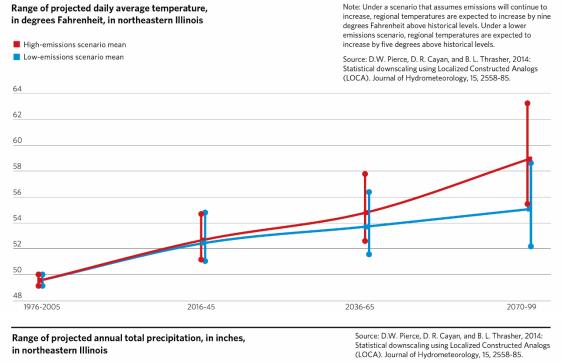
- Manage stormwater to reduce flooding
- Protect and enhance the integrity of aquatic systems
- Coordinate shared water supply resources



# **A region prepared for climate change** *Plan for climate resilience Intensify climate mitigation efforts*

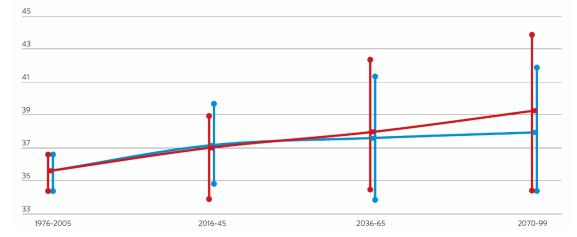


#### Climate change context



High-emissions scenario mean







### Plan for climate resilience

- Incorporate climate resilience and adaptation measures into planning and development
- Strengthen grey and green infrastructure to withstand climate change
- Improve the operational response to weather events to ensure mobility
- Create a more flexible and decentralized energy grid
- Diversify agricultural systems to promote resilience
- Explore a regional climate resilience platform to coordinate initiatives and provide data and resources

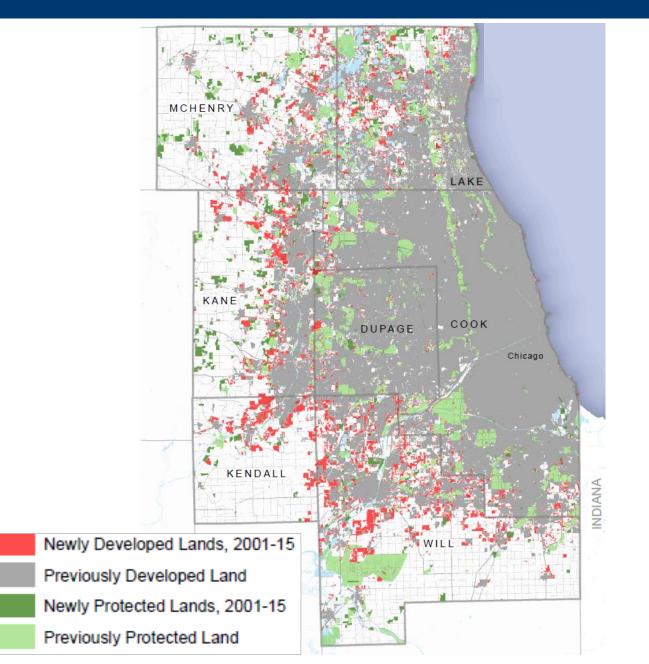


# Development practices that protect natural resources

*Improve natural resources through the redevelopment process Preserve and enhance key natural and agricultural areas* 



#### Preservation context



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#### Improve natural resources through redevelopment

- Apply environmental best practices
- Develop strategies for addressing environmental challenges in disinvested areas
- Increase community greening efforts



# Preserve and enhance key natural and agricultural areas

- Identify high-priority natural areas and key agricultural lands
- Plan for the protection of agricultural and natural lands
- Prioritize and fund preservation and stewardship of critical lands
- Deploy sensitive development techniques in new development



#### Integrated approach to water resources

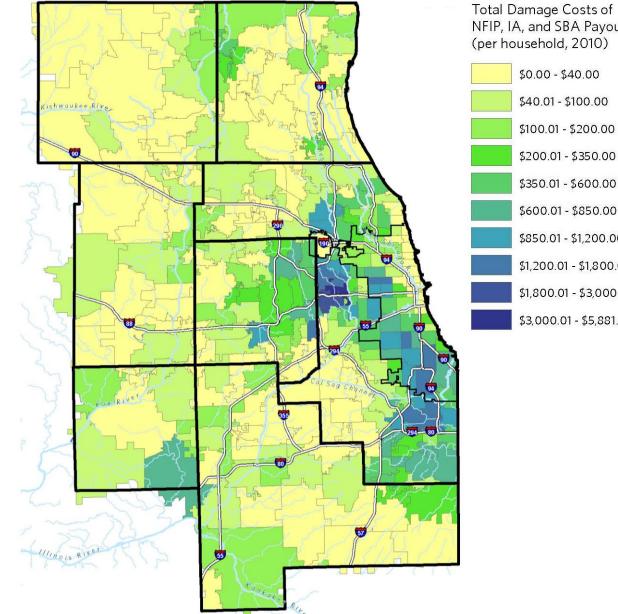
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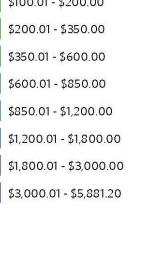
# Manage stormwater to reduce flooding



#### Flooding context



NFIP, IA, and SBA Payouts



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#### Manage stormwater to reduce flooding

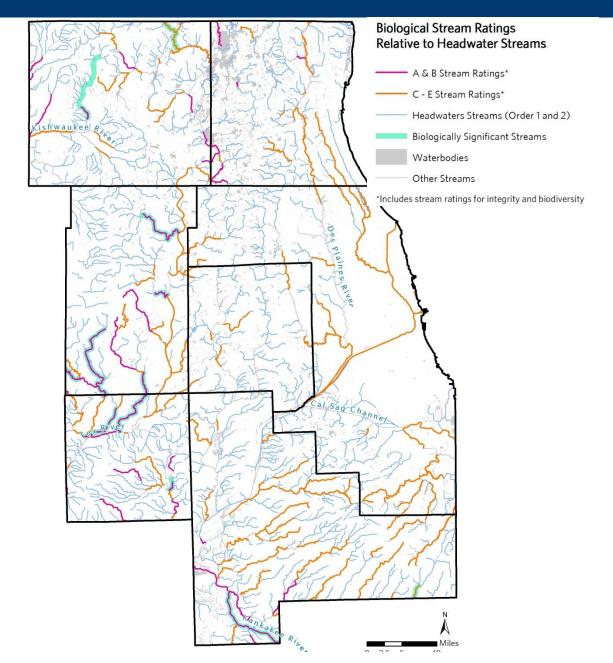
- Identify and communicate flooding risk
- Advance planning and development techniques to reduce current and future risk
- Maintain and invest in grey and green infrastructure
- Address flooding vulnerability of critical transportation assets
- Integrate stormwater management into transportation projects



Protect and enhance the integrity of aquatic systems



#### Water quality context





# Protect and enhance the integrity of aquatic systems

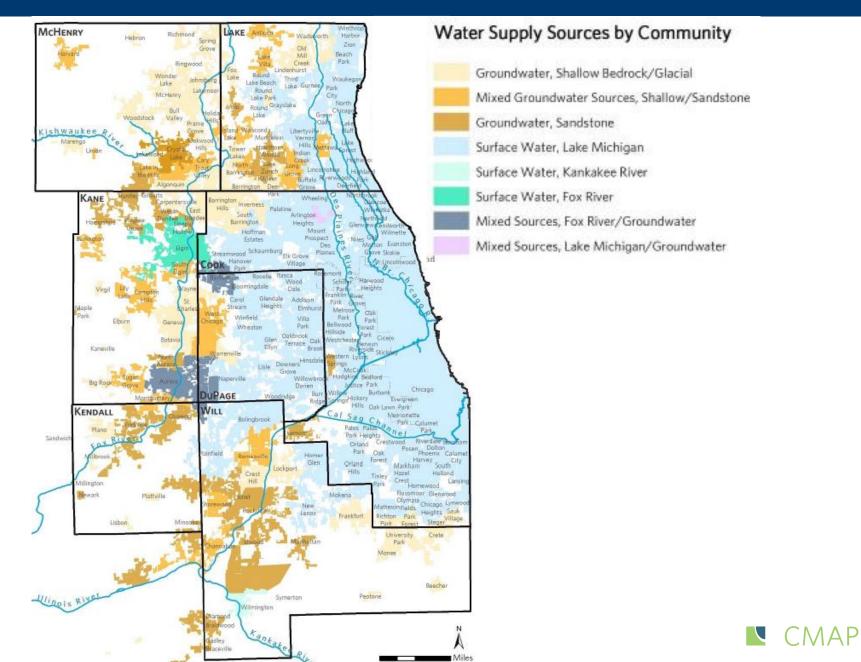
- Improve water resource management and coordination
- Incorporate water resource management into local planning
- Create and implement multi-objective watershed plans
- Optimize water infrastructure investment
- Be a steward of Lake Michigan, the Great Lakes, and the Chicago Area Waterway System



Coordinate shared water supply resources



#### Water supply context



#### Coordinate shared water supply resources

- Incorporate water supply and demand considerations into local and regional planning
- Strengthen regional water supply management
- Maintain drinking water infrastructure and manage demand



- March: Full draft released for committee and partner review
- **April-May:** Revise and finalize the draft plan
- June-August: Release the plan for public comment



# Comments or questions?

