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

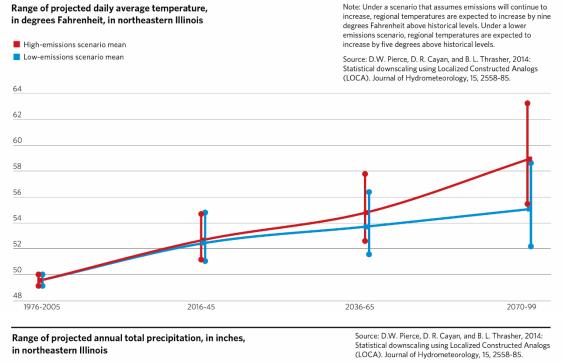
- Manage stormwater to reduce flooding
- Protect and enhance the integrity of aquatic systems
- Coordinate shared water supply resources



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

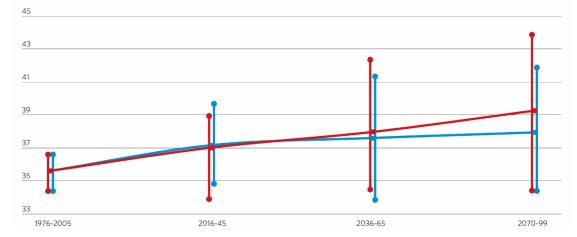


Climate change context



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

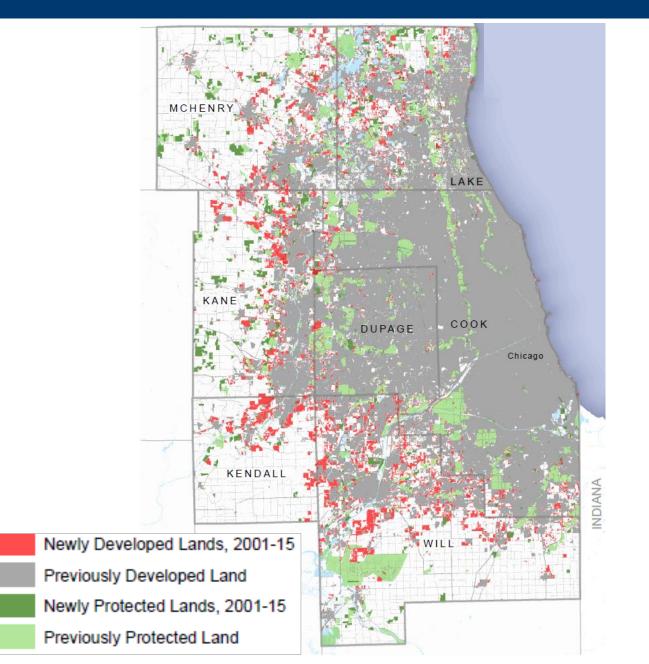


Development practices that protect natural resources

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

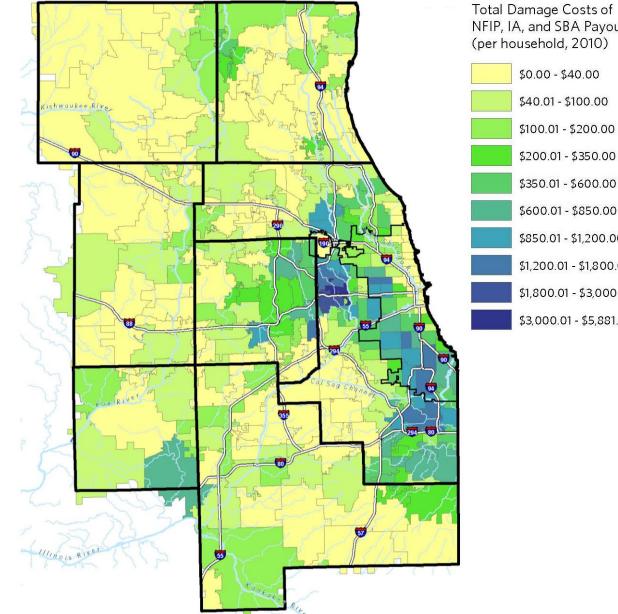
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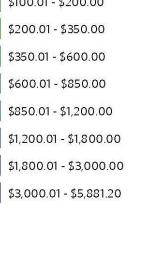
Manage stormwater to reduce flooding



Flooding context



NFIP, IA, and SBA Payouts



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Manage stormwater to reduce flooding

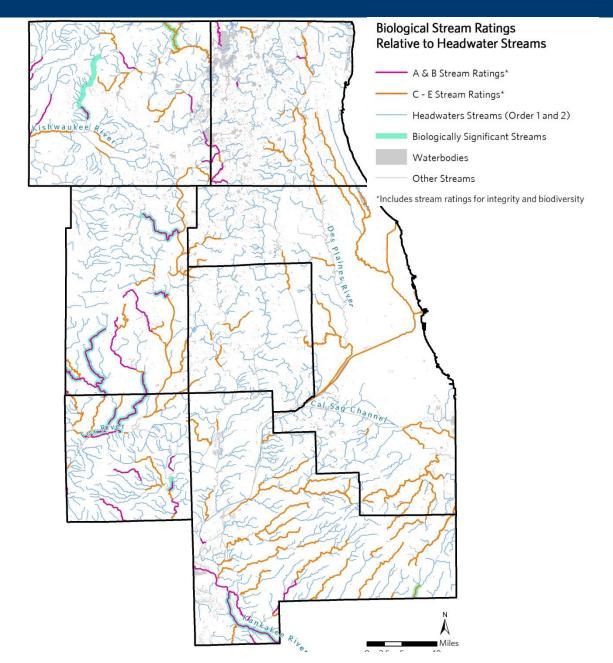
- Identify and communicate flooding risk
- Advance planning and development techniques to reduce current and future risk
- Maintain and invest in grey and green infrastructure
- Address flooding vulnerability of critical transportation assets
- Integrate stormwater management into transportation projects



Protect and enhance the integrity of aquatic systems



Water quality context





Protect and enhance the integrity of aquatic systems

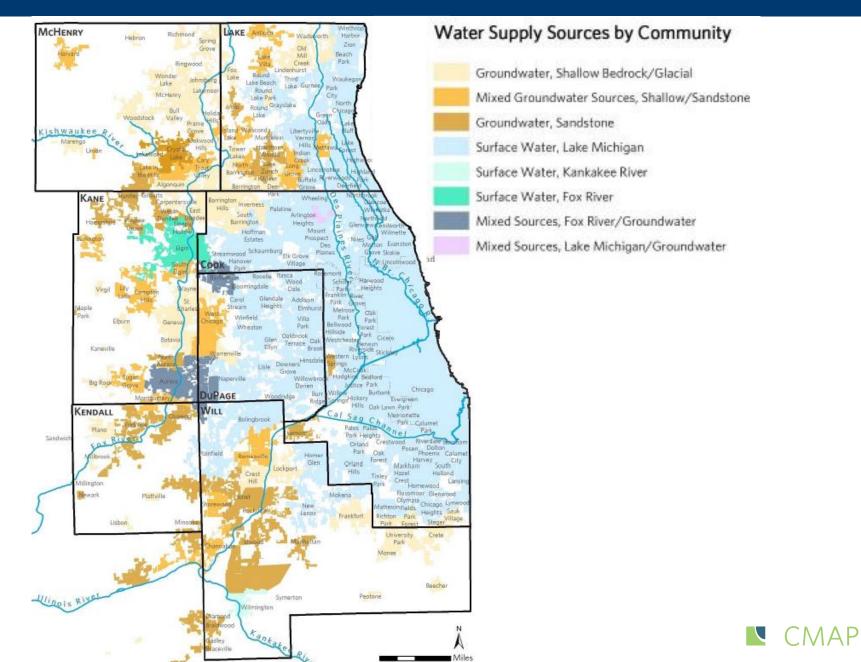
- Improve water resource management and coordination
- Incorporate water resource management into local planning
- Create and implement multi-objective watershed plans
- Optimize water infrastructure investment
- Be a steward of Lake Michigan, the Great Lakes, and the Chicago Area Waterway System



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?

