

ON TO 2050

# Draft Climate Resilience Strategy

Joint meeting of the  
Land Use and Environment &  
Natural Resources Committees  
April 14, 2016

## Climate Resilience and ON TO 2050

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- Build off of foundation set by GO TO 2040 by
  - Refining existing policies
  - Exploring new, relevant topics
- Connect climate resilience to other CMAP priority areas

# Outline

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## **1. Introduction: Moving toward a resilience framework**

- a. Purpose of the strategy paper
- b. Definition of regional climate resilience
- c. Why is climate change important to CMAP and the region ?

## **2. Climate impacts on the region**

- a. Climate changes in northeastern Illinois
- b. Impacts of climate change (transportation, land use, natural resources, communities)

## **3. The climate resilience landscape**

- a. Prior agency work on climate change
- b. External policies driving climate resilience

## **4. Climate resilience policy framework**

- a. Guiding principles of the vision for regional climate resilience
- b. CMAP strategy areas
- c. Stakeholder strategy areas

## **5. Next steps**

- a. Measurement of success
- b. Future areas of research

## Guiding principles of a resilient region

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1. Stronger and smarter infrastructure
2. Participatory and integrated processes
3. Equitable reduction of vulnerability

A region resilient to climate change will have:



Stronger and smarter infrastructure to withstand extreme weather.



Participatory and integrated processes that bring together stakeholders across sectors and jurisdictions to cultivate shared ownership of resilience-building strategies.



Equitable reduction of vulnerability by building community capacity and ensuring provision of critical services, particularly in communities that bear the brunt of climate impacts.

## Resilience strategy directions

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- Planning for climate change
- Climate-resilient infrastructure design and management
- Resilient transportation networks
- Addressing climate change through natural resource management
- Resilient economic development
- Capacity building for climate resilience

## Planning for climate change

	Responsive and Robust Infrastructure	Participatory and Integrated Processes	Equitable Reduction of Vulnerability
Support <b>livable communities</b> that are resilient to climate change	x	x	x
Integrate resilience policies into the existing <b>planning process</b>	x	x	x
Update <b>development regulations</b> to prepare for a changing climate	x	x	

## Climate-resilient infrastructure design and management

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	Responsive and Robust Infrastructure	Participatory and Integrated Processes	Equitable Reduction of Vulnerability
Update <b>infrastructure design standards</b>	x		
Encourage infrastructure that provides <b>multiple benefits</b>	x	x	x
Protect <b>critical assets</b>	x		x

## Resilient transportation networks

	Responsive and Robust Infrastructure	Participatory and Integrated Processes	Equitable Reduction of Vulnerability
Strengthen <b>transportation infrastructure</b> to withstand climate changes	X		
Ensure <b>multiple transportation options</b>	X	X	X
Adopt <b>smarter transportation infrastructure management</b> technologies and practices	X	X	
Increase the resilience of regional <b>freight networks</b>	X		



# Addressing climate change through natural resource management

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	Responsive and Robust Infrastructure	Participatory and Integrated Processes	Equitable Reduction of Vulnerability
Encourage <b>biodiverse ecosystems</b>	x		x
Support adaptive management of <b>water resources</b>		x	
Improve climate resilience through the use of <b>green infrastructure</b>	x	x	x
Prepare <b>agricultural resources</b> for climate change	x		
Mitigate and build resilience to climate change in the <b>energy sector</b>	x	x	x

## Resilient economic development

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	Responsive and Robust Infrastructure	Participatory and Integrated Processes	Equitable Reduction of Vulnerability
Grow an <b>inclusive economy</b> to improve climate and economic resilience	x		x
Explore strategies to build resilience for the region's <b>economic clusters</b>		x	x

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## Capacity building for climate resilience

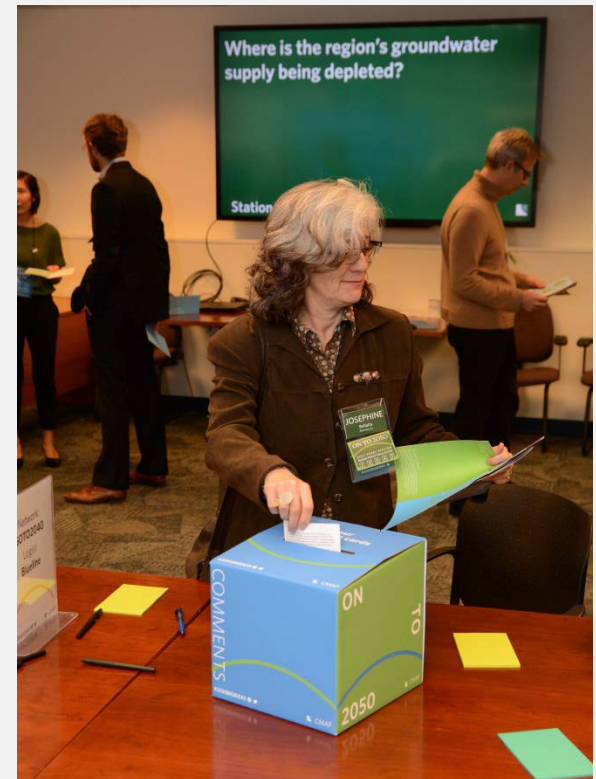
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	Responsive and Robust Infrastructure	Participatory and Integrated Processes	Equitable Reduction of Vulnerability
Build <b>community capacity</b>		x	x
Explore a platform for <b>coordinating regional resilience</b> initiatives		x	
Provide <b>climate data</b> to build climate literacy and make informed decisions		x	

## Next Steps

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- Finalize strategy paper based on stakeholder comments
- Explore indicators to measure climate resilience
- Continue to get feedback on the strategies from regional partners
- Continue engagement through workshops and forums



## Discussion

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- What strategies resonates with your interests and efforts?
- What are the enabling drivers of resilience actions that you have undertaken? Barriers?
- Are there good examples of past climate resilience actions we should know about?
- What are other strategies that you and other partners can take the lead on?

# ON TO 2050

## Stay involved!

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