

ON TO 2050

Draft Climate Resilience Strategy

Land Use Committee

June 15, 2016

Strategy paper outline

1. CMAP and Climate Change: Moving Toward a Resilience Framework
2. Climate Change in Northeastern Illinois
 - a. Temperature
 - b. Precipitation
3. Climate Impacts on CMAP Priority Areas
 - a. Transportation
 - b. Land use
 - c. Natural resources
 - d. Regional economy
 - e. Climate-vulnerable populations
4. The Climate Resilience Landscape
 - a. Climate change work at CMAP
 - b. External policies driving climate resilience
5. Regional Climate Resilience Framework
 - a. Guiding principles of a resilient region
6. Regional Climate Resilience Strategies
7. Next Steps

Guiding principles of a resilient region

>> Responsive and robust infrastructure

>> Participatory and integrated processes

>> 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

- Planning for climate change
- Promoting climate-resilient infrastructure
- Building resilient transportation networks
- Addressing climate change through natural resource management
- Building resilience in the energy sector
- Fostering economic resilience
- Building capacity for resilience planning

Planning for climate change

- Achieve greater livability through resilience planning
- Integrate resilience policies into existing planning processes
- Update development regulations to prepare for a changing climate

Promoting climate-resilient infrastructure

- Update infrastructure design standards
- Encourage infrastructure that provides multiple benefits
- Protect critical assets

Ongoing work: asset management

Building resilient transportation networks

- Strengthen transportation infrastructure to withstand climate changes
- Ensure multiple transportation options
- Adopt smarter transportation infrastructure management technologies and practices

Upcoming and ongoing work: highway operations, transportation technology

Addressing climate change through natural resources management

- Increase biodiverse ecosystems
- Support adaptive management of water resources
- Build climate resilience through green infrastructure
- Prepare agricultural resources for climate change

Upcoming work: water strategy paper

Building resilience in the energy sector

- Increase renewable energy generation
- Strengthen energy infrastructure for a changing climate
- Support decentralized energy generation and distribution

Upcoming work: energy strategy paper

Fostering economic resilience

- Reduce community vulnerability to climate change
- Increase the resilience of freight networks
- Build resilience for the region's economic clusters

Upcoming and ongoing work: economic resilience, inclusive growth

Building capacity for resilience planning

- Build community capacity
- Provide climate data to build climate literacy and facilitate informed decisions
- Explore a platform for coordinating regional resilience initiatives

Upcoming work: community capacity strategy paper

Next Steps

- 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

