



2024–2029 Update: Capitol Region Hazard Mitigation & Climate Adaptation Plan (HMCAP)

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Plan Overview



The HMCAP aims to **strengthen resilience against natural hazards and climate impacts**, outlining strategies to manage these hazards and adapt to climate change.



Capitol Region **Hazard Mitigation Plans** were created in 2008, 2014, and 2019, with updates every five years.



The 2024 update now integrates **hazard mitigation and climate adaptation** strategies.



This plan supports regional planning with a detailed analysis of Manchester's challenges, outlining specific hazard mitigation strategies and actions.



Scope of Natural Hazards

Hurricanes and Tropical Storms

Droughts

Tornadoes and High Wind Events

Dam Overtopping or Failure

Severe Winter Storms

Extreme Heat

Connecticut River Tidal Range

Wildfires

Riverine and Pluvial Floods

Earthquakes





Hazards Intensified by Changing Climate

As the climate changes, the frequency, intensity, and location of certain climatic events are also shifting.

Storm Severity

Sea Level Rise

Changing Precipitation Patterns

Rising Temperatures





Manchester Specific Challenges



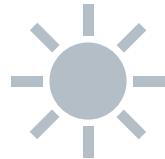
**Damage From
Flooding
Events**



**Stormwater
Infrastructure
Capacity
Issues**



**Frequent
Power Outages
During Storms**



**Heat
Vulnerabilities
From Urban
Heat Islands**



**Impact of
Flooding on
Critical Facility
Access**



**Economic
Losses From
Hazards**



Regional Approach to Hazard Mitigation



Nine region-wide goals were developed for the 2019 Plan.



Four new goals have been added to the 2024 plan to align with the Governor's Council on Climate Change.



These goals help each municipality identify relevant mitigation strategies tailored to local needs.



Hazard Mitigation Planning Goals



Minimize Impact on Buildings & Infrastructure



Support Hazard Mitigation Through Codes & Regulations



Enhance Institutional Awareness & Training



Increase Use of Green Mitigation Measures



Improve Utility & Infrastructure Resilience



Enhance Public Outreach & Warning Systems



Strengthen Emergency Response Capabilities



Address Community Character & Social Equity



Minimize Economic Impact of Hazard Damages



Planning Goals Added for 2024



Enhance Resilience of Critical Facilities



Address Extreme Heat Risks



Reduce Flood & Erosion Risks



Minimize Losses from Various Hazards



Invest in Resilient Corridors



Enhance Critical Facility Resilience & Emergency Power



Improve Access to Cooling Centers & Critical Facilities



Upgrade Flood-Prone Roadways & Stormwater Infrastructure



Evaluate & Maintain Vulnerable Stream Crossings



Educate Property Owners & Engage in Mitigation Efforts



Collaborate on Resilience and Update Preparedness Information

Recommended Actions for Manchester



Importance of the Plan

Funding Requirement: Adopting the plan is critical for securing federal funding for future hazard mitigation projects. A locally approved mitigation plan is required for FEMA grants, including:

- *Building Resilient Infrastructure and Communities (BRIC)*
- *Flood Mitigation Assistance (FMA)*
- *Hazard Mitigation Grant Program (HMGP)*
- *HMGP Post-Fire*

Guides Recommended Actions: The plan outlines strategic actions to enhance Manchester's resilience and preparedness against natural hazards.



Next Steps: Finalizing Plan Adoption

Plan Status: Finalized and active regionally, effective from 7/15/24, for five years.

Manchester's Adoption: Required for FEMA grant eligibility. Delays could impact funding access.

Action Required: Manchester Board of Directors is required to take action on the plan.

Questions?

Full plan available at

crcog.org/natural-hazards-mitigation-planning/