



## Williamson County Multi-Hazard Mitigation Plan

### List of Potential Mitigation Strategies



Use this document as a reference for the **Mitigation Strategies Exercise**.

This is not a complete list; Planning Partners are encouraged to come up with their own mitigation strategies as well.

#### **All Hazards**

- Promote Disaster Resilience Through Workshops, Education Materials, and Planning Guides
- Continue liaison groups that meet regularly to discuss hazard mitigation
- Enhance emergency communication system infrastructure, warning system enhancements
- Develop a Vulnerable Population List
- Prepare essential facilities: equip with back-up generators, emergency survival and first aid supplies, etc.
- Create and update list of emergency equipment and parts for utility services, emergency vehicles, other
- Improve aging infrastructure
- Update/maintain list of temporary shelters

#### **Tornado/severe storms**

- Construct safe rooms in essential facilities and other community buildings
- Retrofit existing buildings to withstand high winds

#### **Earthquake**

- Provide information to residents on structural and non-structural retrofitting
- Develop earthquake emergency action plans
- Construct new safe rooms
- Install automatic shutoff valves
- Construct backup water mains

#### **Disease Outbreak/Epidemics**

- Enhance reporting and contact tracing protocols

- Develop/update plans for mass care situations
- Develop plan and mutual aid agreement for use of portable morgue

### **Hazardous Materials Release**

- Acquire protective gear for first responders and locations with high probabilities of occurrence (colleges, factories/warehouses, energy plants)
- Develop and update HazMat emergency action plans
- Equip facilities with centralized positive-pressure HVAC systems

### **Ground Failure/ Mine Subsidence**

- Maintain a list of buildings constructed over underground mines
- Education programs/brochures regarding mine subsidence insurance for home and landowners

### **Severe Winter Weather**

- Purchase/maintain stockpiles of salt and other de-icing chemicals
- Build snow fencing in areas vulnerable to dangerous snow drifts
- Collaborate with neighboring counties to keep an updated list of available plow/salt trucks and parts

### **Flooding, Dam & Levee Failure**

- Institute a buy-out plan for repetitive loss properties
- Regularly perform drainage system maintenance
- Culvert replacement
- Update urban areas to withstand stormwater (rain gardens, bioswales, urban tree planting, permeable pavement)
- Outreach/education for homeowners regarding flood insurance options, and home/landscape improvements that can reduce flooding impacts
- Raise vulnerable structures on stilts/piles
- Conversion of flood prone areas back to wetlands
- Review/update EAPs for high potential loss dams and levee districts
- Review/update evacuation protocols for high potential loss dams and levee districts

### **Drought & Extreme Heat**

- Reduce Urban Heat Island effects with various methods: green infrastructure, urban tree planting, permeable pavement, reflective pavement/roofs, others
- Establish wildfire prevention management strategies
- Provide cooling centers for vulnerable population

## **Cyber Attack**

- Encourage businesses and government offices to review and utilize the steps in the Cybersecurity & Infrastructure Security Agency (CISA) Cyber Essentials Starter Kit- this is free educational material provided by the Federal Government
- Make local businesses and government offices aware of the Illinois Attorney General's office data breach reporting system
- Provide resources for the public on cyber security for home computers and smartphones; make residents aware of the IL identity theft hotline