

1 PLAN PROCESS

Scott County was awarded a grant from the Federal Emergency Management Agency (FEMA) under its Hazard Mitigation Grant Program HMGP to develop an updated multi-jurisdiction local hazard mitigation plan. The grant is administered through the Iowa Homeland Security and Emergency Management Division (IHSEMD). The planning grant agreement between Scott County and IHSEMD was fully executed on April 19, 2016 with an approved performance period dated from February 19, 2016 through August 19, 2018. Scott County contracted with Bi-State Regional Commission to guide the preparation of a local hazard mitigation plan that meets the requirements of the Disaster Mitigation Act of 2000 with a contract date to start August 1, 2016. To assure compliance with the process for developing the plan document, the *Local Mitigation Plan Review Crosswalk* from FEMA dated October 1, 2011 was used for guidance in meeting the requirements of the plan.

The *Scott County Multi-Jurisdictional Hazard Mitigation Plan* will be an update from the plan adopted in 2012. The plan update will include thirteen incorporated municipalities, four community school districts, and one community college district.

The first meeting of the Planning Committee was held on September 15, 2016. This was an introductory meeting for the municipal representatives. Bi-State staff presented an overview of the plan requirements as outlined in FEMA guidance, with particular note of multi-jurisdictional requirements for individual participating communities. This introduction included reference to the *2013 State of Iowa Hazard Mitigation Plan* and the hazards that might be considered in the hazard assessment portion of the plan. A plan update time schedule by the Planning Committee was agreed upon, and later revised to expedite the update process to address changes in FEMA’s policy on plan waivers. The 2012 plan lapsed September 1, 2017 and required an accelerated timeline to allow for local jurisdictions to apply for pre-disaster mitigation funds.

Who was involved

The Scott County Emergency Management Director was designated as lead staff for Scott County in development of the plan and served as the principal contact person for Bi-State staff. Bi-State Regional Commission was subcontracted to assist with plan development. Bi-State staff made contact with constituent municipalities in Scott County regarding planning participation. It was determined by staff to follow a combination model for participation in the multi-jurisdiction plan. Bi-State was contracted by Scott County to assist with grant administration, support the plan process, and research and write the plan document. The core Planning Committee is made up of staff and representatives of thirteen participating municipalities, four community school districts, and one community college district in addition to Scott County as follows:

- | | |
|--------------------|--------------------|
| City of Bettendorf | City of Donahue |
| City of Blue Grass | City of Eldridge |
| City of Buffalo | City of LeClaire |
| City of Davenport | City of Long Grove |
| City of Dixon | City of Maysville |

City of Panorama Park	Davenport Community School District
City of Princeton	North Scott Community School District
City of Riverdale	Pleasant Valley Community School District
City of Walcott	Eastern Iowa Community College District (Scott County Campuses)
Scott County (includes unincorporated)	
Bettendorf Community School District	

Municipalities agreeing to participate in the multi-jurisdictional plan would designate a primary contact for all correspondence. This would follow the direct representation model as suggested in FEMA guidance for multi-jurisdictional plans. This primary contact, or another designated official or staff person, would attend planning meetings and form the core Planning Committee. The Planning Committee would be responsible for guiding decisions about the contents of the plan in relation to FEMA guidance and for reviewing staff-prepared documents. Since Planning Committee members would also be representing communities looking for individual FEMA approval of the multi-jurisdictional plan, they would also be responsible for noting any variation from the overall planning area for their community. Members of the Planning Committee and staff are listed in Appendix II-1. This includes primary contacts and other community representatives who attended meetings.

Planning Area and Map

The planning area includes all of Scott County with participation of constituent municipalities as described above. A base map of the planning area was developed as follows (Map 2-1) showing jurisdictional boundaries and indicating which are participating in the plan process. The base planning area map includes rivers and water bodies; highways, major roadways, and roads; railroads; and streams and creeks. This map will be used to overlay identified hazard areas, vulnerable facilities, and other features with a geographic reference in following parts of the plan document.

Plan Development

Following the initial meeting, Bi-State staff reviewed each hazard profile to be included in the update. Hazards to be included were limited to the natural hazards required as defined by FEMA excluding hazards that would have no impact to the planning area. A final list of hazards considered in this update can be found in Chapter 3 of this plan. Once the hazard profiles had been updated, the draft profiles were made available to planning committee members and the public via posting on Scott County's website. Comments received were incorporated into the hazard profiles where appropriate.

Concurrently, while updating hazard profiles, Bi-State communicated with participating communities to acquire information regarding critical assets, status of and changes to mitigation actions, and a hazard scoring tool to help determine hazard prioritization. This communication was initiated via memorandum both mailed and e-mailed to individual participating communities. Follow-up was conducted via phone and e-mail to ensure participating communities were able to provide the necessary information. Some communities chose to affirm their input formally at council meetings open to the public.

Once input from communities was received, Bi-State incorporated it into the draft plan. The draft plan was made available for review October 31, 2017 via Scott County’s website. That same draft was provided to Iowa Department of Homeland Security and Emergency Management (IDHSEM) for review. Comments received from IDHSEM were incorporated into the plan, and a final draft was submitted to FEMA for review. After addressing technical assistance comments from FEMA the plan was approved by FEMA June 28, 2018.

Map 2-1 Planning Area

Advisory Group

In addition to the Planning Committee, a broader list of community groups and agencies was developed using FEMA guidance to add more participation and expertise to the planning process. Representatives were invited to participate in the planning process in an advisory capacity. They would be available to staff as resources in their respective areas of interest and provide an additional layer of review in development of document drafts. As noted in the previous “Prerequisites” section, the City of Durant was included on the Advisory Group as a neighboring community, since it was not actively participating in the plan process. The City of McCausland elected not to participate in the planning process and was similarly included in the advisory group. An invitation list of contacts was further developed. A copy of the invitation letter is included as Appendix II-2. A list of agencies contacted, indicating those who actively participated, is included as Appendix II-3. Media contacts were included in the Advisory Group invitation, which provided another opportunity for public information and participation.

Public Involvement

At its first kick-off meeting, the Planning Committee discussed public involvement and participation. Scott County would make use of its website, <https://www.scottcountyiowa.com/planning/hazard-mitigation-plan> to provide information about the planning process, including meeting information and schedule, links to related mitigation information and plan guidance, and draft document sections for review and comment. Scott County has the ability to send out e-mail updates through a subscription process to those who would like updated information on the planning process. Hazard profiles were posted to the Scott County website prior to a full draft review, and notice was sent through the subscription group as a call for input on the hazards. The plan was also discussed at the Quad City Emergency Planning Committee meeting on September 28, 2017 as part of stakeholder outreach within the emergency planning community.

In order to assure formal notification of public participation in the plan, notice of meetings was published in newspapers of general circulation on at least two occasions, once during the plan update kickoff meeting and once prior to adoption of the plan. Publication of such notices would be included in two official newspapers used for countywide notices: Quad City Times and Bettendorf News. Participating jurisdictions were encouraged to have their own public meetings, and staff offered to make presentations to individual communities on request. A number reaffirmed the plan goals and their respective hazard priorities at council or county board meetings from August to October 2017. The first public meeting with published notification was held September 15, 2016. A public hearing discussing the plan was held on September 19 as part of Scott County’s Committee of the Whole meeting. One additional public hearing was conducted on October 31, 2017 for review of a draft plan prior to adoption by Scott County. No public comments were received.

Existing Planning Mechanisms

In addition to the persons included in the planning process, many written resources, existing plans, studies, reports, and technical information were reviewed and incorporated into the plan process as appropriate. Technical resources used to develop the hazard profiles are referenced to each profiled hazard, but general references of note include:

- FEMA Local Hazard Mitigation Plan Review Crosswalk October 1, 2011

- FEMA State and Local Mitigation Planning How-To Guides
- 2013 State of Iowa Hazard Mitigation Plan
- Iowa Hazard Analysis and Risk Assessment
- Scott County, Iowa Multi-Jurisdictional Hazard Mitigation Plan 2012

Participating jurisdictions were asked to inventory and review existing planning and technical documents within their own communities that could be incorporated into the plan (see Table 2-2).

**Table 2-1
Record of Review**

Existing Program/ Policy/ Technical Documents	Reviewed by Jurisdiction (Yes/No)	Reviewed by Plan Authors and Incorporated into Plan (Yes/No)
City of Bettendorf		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Stormwater Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y
Capital Improvement Plan	Y	N
Redevelopment Plan	Y	N
Open Space Plan	Y	N
Economic Development Plan	Y	Y
Emergency Response Plan	Y	Y
Emergency Management Plan	Y	Y
Long Range Transportation Plan	Y	Y
Recreation Plan	Y	Y
Transportation Improvement Plan	Y	N
Existing Land Use Map	Y	Y
Flood Insurance Study	Y	Y
Downtown Redevelopment Program	Y	N
Stormwater Management Program	Y	Y
City of Blue Grass		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y

Existing Program/ Policy/ Technical Documents	Reviewed by Jurisdiction (Yes/No)	Reviewed by Plan Authors and Incorporated into Plan (Yes/No)
Open Space Plan	Y	N
Existing Land Use Map	Y	Y
Emergency Plan	Y	Y
City of Buffalo		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Stormwater Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Capital Improvement Plan	Y	N
Redevelopment Plan	Y	N
Existing Land Use Map	Y	Y
Flood Insurance Study	Y	Y
MSA Stormwater Outfall Study	Y	Y
Stormwater Management Program	Y	Y
City of Davenport		
Zoning Ordinance	Y	Y
Subdivision Ordinance Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Stormwater Management Ordinance	Y	Y
Erosion Control Ordinance	Y	N
Site Plan Review Requirements	Y	Y
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y
Capital Improvement Plan	Y	N
Redevelopment Plan	Y	N
Regional Development Plan	Y	N
Watershed Protection Plan	Y	Y
Open Space Plan	Y	N
College Campus Development Plan	Y	N
Economic Development Plan	Y	Y
Emergency Response Plan	Y	Y
Emergency Management Plan	Y	Y
Long Range Transportation Plan	Y	Y
Transportation Improvement Plan	Y	N
Riverfront Development Plan	Y	Y
Critical Facilities Map	Y	Y
Existing Land Use Map	Y	Y

Existing Program/ Policy/ Technical Documents	Reviewed by Jurisdiction (Yes/No)	Reviewed by Plan Authors and Incorporated into Plan (Yes/No)
Flood Insurance Study	Y	Y
Hazard Vulnerability Study	Y	Y
Historic Preservation	Y	Y
Downtown Redevelopment Program	Y	N
Stormwater Management Program	Y	Y
City of Dixon		
NONE	N/A	N/A
City of Donahue		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y
Existing Land Use Map	Y	Y
Flood Insurance Study	Y	Y
City of Eldridge		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Stormwater Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y
Capital Improvement Plan	Y	N
Recreation Plan	Y	N
Existing Land Use Map	Y	Y
Flood Insurance Study	Y	Y
City of LeClaire		
Zoning Ordinance	Y	Y
Subdivision Regulations	Y	Y
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Stormwater Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y
Emergency Response Plan	Y	Y

Existing Program/ Policy/ Technical Documents	Reviewed by Jurisdiction (Yes/No)	Reviewed by Plan Authors and Incorporated into Plan (Yes/No)
Long Range Transportation Plan	Y	N
Recreation Plan	Y	N
Transportation Improvement Plan	Y	N
Critical Facilities Map	Y	Y
Existing Land Use Map	Y	Y
Flood Insurance Study	Y	Y
Stormwater Management Program	Y	Y
Downtown Cultural & Entertainment District Designation (IDED)	Y	N
City of Long Grove		
Zoning Ordinance	Y	N
Subdivision Ordinance	Y	N
Building Codes	Y	N
Comprehensive/Land Use Plan	Y	Y
Capital Improvement Plan	Y	N
Watershed Protection Plan	Y	Y
Emergency Response Plan	Y	Y
Emergency Management Plan	Y	Y
Existing Land Use Map	Y	Y
City of Maysville		
Zoning Ordinance	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
City of McCausland (2012)		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Floodplain Management Ordinance (underway)	N/A	N/A
Stormwater Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Existing Land Use Map	Y	Y
City of New Liberty		
NONE	N/A	N/A
City of Panorama Park		
Floodplain Management Ordinance	Y	Y
City of Princeton		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Solid Waste and Hazardous Waste Regulations	Y	N

Existing Program/ Policy/ Technical Documents	Reviewed by Jurisdiction (Yes/No)	Reviewed by Plan Authors and Incorporated into Plan (Yes/No)
Comprehensive/Land Use Plan	Y	Y
Capital Improvement Plan	Y	N
Emergency Response Plan	Y	Y
Existing Land Use Map	Y	Y
City of Riverdale		
Solid Waste and Hazardous Waste Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Stormwater Management Program	Y	Y
City of Walcott		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Stormwater Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y
Capital Improvement Plan	Y	N
Scott County		
Zoning Ordinance	Y	N
Subdivision Regulations	Y	N
Building Codes	Y	N
Floodplain Management Ordinance	Y	Y
Stormwater Management Ordinance	Y	Y
Site Plan Review Requirements	Y	N
Solid Waste and Hazardous Waste Regulations	Y	N
Comprehensive/Land Use Plan	Y	Y
Economic Development Plan	Y	Y
Emergency Response Plan	Y	Y
Emergency Management Plan	Y	Y
Long Range Transportation Plan	Y	Y
Recreation Plan	Y	N
Transportation Improvement Plan	Y	N
Critical Facilities Map	Y	Y
Existing Land Use Map	Y	Y
Flood Insurance Study	Y	Y

Existing Program/ Policy/ Technical Documents	Reviewed by Jurisdiction (Yes/No)	Reviewed by Plan Authors and Incorporated into Plan (Yes/No)
Bettendorf Community School District		
Crisis Management Plan	Y	Y
Davenport Community School District		
Crisis Manual	Y	N
North Scott Community School District		
North Scott Safety Policy	Y	Y
Pleasant Valley Community School District		
Pleasant Valley CSD Crisis Response Guide	Y	Y
Eastern Iowa Community College District		
Emergency Readiness Plan	Y	Y

Incorporation of previous plan into existing planning mechanisms

The large majority of participating jurisdiction stated that the previous approved plan had been reviewed and incorporated into the existing mechanisms listed in Table 2-1 where applicable indicated by the second column of the table. Each jurisdiction also considered the plan, specifically their mitigation actions, when determining their annual budget. Dixon was an exception and did not think the plan was incorporated as they do not have any formal planning mechanisms outside of their annual budget due to their small population.

Participation in the National Flood Insurance Program

The National Flood Insurance Program (NFIP) was established in 1968 to mitigate future flood losses nationwide through sound, community-enforced building and zoning ordinances and to provide access to affordable, federally-backed flood insurance protection for property owners. Participation in the NFIP is based on an agreement between local communities and the federal government that states that if a community will adopt and enforce a floodplain ordinance to reduce future flood risks to new construction in Special Flood Hazard Areas (SFHAs), the federal government will make flood insurance available within the community and a financial protection against flood losses. Each participating jurisdictions’ floodplain is mapped in a Flood Insurance Rate Map (FIRM) that indicates where areas with a 1% or a 0.20% annual chance of flooding in any given year. The FIRM helps determine the premium a property owner pays for the flood insurance. Each jurisdiction’s FIRMs (also known as Special Flood Hazard Areas) are included in Appendix III-2.

The following jurisdictions have adopted and enforce floodplain ordinances as participating communities in the NFIP and will continue compliance:

- City of Bettendorf
- City of Buffalo
- City of Davenport
- City of Donahue
- City of Eldridge
- City of LeClaire
- City of McCausland
- City of Panorama Park
- City of Princeton
- City of Riverdale
- City of Walcott
- Scott County

The following jurisdictions do not have FIRMs and/or are not participating in the NFIP:

- City of Blue Grass
- City of Dixon
- City of Long Grove
- City of Maysville
- City of New Liberty

Since the 2012, it was known that McCausland had begun to participate in the NFIP. However, they chose not participate in this plan update process. The City of Blue Grass has shown interest in taking the necessary steps to participating in the NFIP and is evaluating the merits of participating in the NFIP.

Demographics

This plan utilized the newest Census data that was available at the time compiled, specifically the American Community Survey (ACS) 1-year estimates for 2015. The weighted hazard scoring was done with this data set. The individual jurisdiction utilize the 2015 ACS numbers, and the population ranking was done using that data. Appendix II-5 includes a table with the populations of Scott County from 1950 to 2015 to show population growth and decline within Scott County.