

## 4 MITIGATION STRATEGY

**44 CFR Requirement §201.6(c)(3): The plan shall include a mitigation strategy that provides the jurisdiction’s blueprint for reducing the potential losses identified in the risk assessment, based on existing authorities, policies, programs and resources, and its ability to expand on and improve these existing tools.**

The P-MRNRD has sought, for many years, to assist communities in protecting themselves from natural hazards. The majority of completed projects in the P-MRNRD have sought to reduce the risk of flood damages to structures insured under the NFIP, and to guide future development away from areas with a high probability of flooding. This has been accomplished through buyouts, acquisitions, elevation of floodplain structures, and new floodplain mapping efforts. Table 4.1, below, summarizes completed mitigation projects in the P-MRNRD:

**Table 4.1. Mitigation Projects Completed in the P-MRNRD**

Mitigation Action	Year Completed	Description
Property Acquisition in King Lake along Elkhorn River, Douglas County	On-going	75% HMGP Funding and 25% NRD funding
Property Acquisition along Thompson Creek in La Vista, Sarpy County	On-going	25% HMGP Funding, 12.5% City of La Vista, 12.5% NRD
Property Acquisition along Missouri River in Sarpy County	On-going	Project Cost: \$5.25 million; combination of NRD, Sarpy County, State of Nebraska, HUD, and FEMA funds; 107 residences removed from Floodway
Weir Crest Property Buyout	2006	Project Cost: \$2.62 million, 75% (\$2.0 million) of funding provided by FEMA, 25% split between P-MRNRD and City of Omaha; 18 homes and 12 trailers removed
Cole Creek Property Buyout	2007	Project Cost: \$3.45 million, 75% (\$2.23 million) of funding provided by FEMA, 25% split between P-MRNRD and City of Omaha; 30 residences removed
Stream Bank Stabilization - Tekamah	2002	Project Cost: \$115,000 with 75% (\$86,250) of funding provided by Flood Mitigation Assistance (FMA)
Property Acquisition in Omaha, along Cole Creek	2002	Project Cost: \$27,600, funded by FMA program
Property Acquisition in Fort Calhoun	2001	Project Cost: \$87,569; FY2001 FMA funding provided \$65,677. P-MRNRD provided 12.5% match of \$10,946
Property Acquisition in Blair, along Cauble Creek	2001	Project Cost: N/A; Funding provided by Hazard Mitigation Grant Program

This section seeks to build upon the mitigation strategy developed in the 2006 P-MRNRD All-Hazard Mitigation Plan and the past completed projects by outlining goals and objectives and identifying mitigation actions that participating jurisdictions believe will reduce their risk to natural hazards.

This chapter is divided into two main parts:

- **Section 4.1 Mitigation Goals** discusses the mitigation goals from the 2006 All-Hazards Mitigation Plan and identifies the process by which the mitigation goals and objectives were updated for the new plan.
- **Section 4.2 Mitigation Actions** lists the mitigation actions communities identified through the STAPLEE evaluation process.

## 4.1 Mitigation Goals

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**Requirement §201.6I(3)(i): [The hazard mitigation shall include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.**

This section of the plan focuses on mitigation strategies, developed by each jurisdiction, to reduce or eliminate vulnerabilities to any of the 11 identified hazards. In the 2006 P-MRNRD All-Hazards Mitigation Plan, four main goals were identified through research, data collection, and public participation in the planning effort. The four main goals of the 2006 P-MRNRD plan were:

1. Reduce or prevent future damage from natural hazard events
2. Increase public safety
3. Increase public education about natural hazard events in their community
4. Increase or enhance public green space

In the 2006 plan, each participating community tied their mitigation actions to these four goals, but expanded on each goal by developing their own objectives (Summaries of the 2006 Mitigation Objectives, broken out by jurisdiction, are available in Appendix B). Since this plan update incorporates additional jurisdictions and hazards, beyond those addressed in the 2006 plan, a new methodology of organizing goals, objectives, and mitigation actions was adopted. This methodology makes it easier to tie each mitigation action to a specific goal and objective, as well as making it easier to update mitigation goals and actions in the future.

Specific goals for the planning area were developed utilizing information from the risk assessment, feedback received from the public, and information obtained from FEMA's how-to

guide titled “Developing the Mitigation Plan – Identifying Mitigation Actions and Implementation Strategies”.

### **4.1.1 Mitigation Goals and Objectives**

Goal 1: Protect the health and safety of the public

Objectives:

- 1.1 Continued compliance with NFIP for participating communities, join NFIP if not currently participating
- 1.2 Construct safe rooms in schools, public buildings, and in select locations, at public outdoor venues
- 1.3 Update or obtain additional outdoor warning sirens, as needed, in the project area
- 1.4 Develop additional emergency notification methods to alert the public of potential hazards
- 1.5 Provide educational opportunities for the public to promote preparedness in the project area
- 1.6 Reduce flooding of developed residential and commercial areas

Goal 2: Reduce or prevent future damage to critical facilities, critical infrastructure, and maintain their operation after a hazard

Objectives:

- 2.1 Protect power lines throughout the NRD by burying them or reinforcing them
- 2.2 Obtain generators and other backup power systems required to keep critical facilities, critical infrastructure, and emergency operations running after a hazard event
- 2.3 Evaluate and identify infrastructure systems that require improvements in order to reduce or prevent damage from hazards
- 2.4 Protect all existing public infrastructure from flooding

Goal 3: Reduce or prevent future damage to existing properties and natural resources

Objectives:

- 3.1 Enforce regulations and building codes promoting wise development and construction that reduces the potential for damage to existing or future structures and property
- 3.2 Protect existing streambanks and beds from erosion/downcutting
- 3.3 Perform studies to determine locations of concern and evaluate projects to mitigate against the damage caused by hazards
- 3.4 Develop projects to reduce or prevent damage to public structures
- 3.5 Improve local drainage and stabilize creeks where necessary

- 3.6 Improve protection procedures for structures throughout the planning area to reduce damage from hazard events
- 3.7 Implement a mitigation plan for tree trimming and tree removal
- 3.8 Improve and protect area roads and drainage structures against hazards
- 3.9 Maintain and improve surface water quality

Goal 4: Promote efficient use of public funds

Objectives:

- 4.1 Maximize funding opportunities through grant money and other outside sources
- 4.2 Prioritize projects based on greatest risk
- 4.3 Encourage individual property owners to develop independent measures to protect their property and not rely on public funding

## 4.2 Mitigation Actions

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**Requirement §201.6(c)(3)(ii): [The mitigation strategy shall include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.**

**Requirement §201.6(c)(3)(ii): [The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.**

With these goals in mind, Table 4.2 provides specific projects that the P-MRNRD and the jurisdictions included in the plan chose to consider pursuing to mitigate damages within the NRD and to protect the public in the event of a hazard. Please note, this is not a complete list of the projects that could be considered in the project area and additional projects may be included in subsequent revisions of the plan. Also, this project list does not guarantee that any of the represented entities have committed to undertaking these projects or provided financial assistance to do so. The list indicates the projects that representatives of the jurisdictions believe would help protect residents and reduce damage within the planning area.

During the 2006 P-MRNRD planning process, individual jurisdictions were asked to prioritize their projects. For this plan update, the mitigation actions depicted in Table 4.2 were analyzed using the STAPLEE method. This methodology is used for project prioritization and also used for a preliminary benefit-cost review for each project. The STAPLEE forms for the communities were handed out at the second public meeting and once turned in, were evaluated based on guidance from the FEMA reference titled “*Using Benefit-Cost Review in Mitigation Planning* (FEMA 386-5)”, for the project prioritization and benefit-cost review to be completed. The STAPLEE method is an all-encompassing spreadsheet containing categories including the following:

- Social – Projects are accepted by the community and do not adversely affect particular portions of the population
- Technical – Projects are feasible and provide lasting protection with minimal impacts
- Administrative – The entity has the necessary resources to implement the project
- Political – Projects have the support of community officials and the public as a whole
- Legal – Projects follow state and local laws and the entity has the authority to implement the project
- Economic – Projects are cost-effective, beneficial, and affordable for the entity

- Environmental – Projects do not adversely affect the environment; comply with local, state, and federal environmental regulations; and remain consistent with local environmental goals.

The key ideas under each category are provided for each representative to evaluate and to rank mitigation actions. The STAPLEE forms for this plan were developed using a scale of high, medium, low, or not applicable. High means the project is very beneficial to an entity with regards to the specific category. Medium indicates that the mitigation action is favorable for the entity. Low signifies that the item is not favorable for the entity. Not applicable indicates that the category does not apply in that particular instance. Once the forms were completed, a value of two was assigned for high rankings; a value of one for medium rankings; minus one, for low rankings; and zero for not applicable items. The values were multiplied by the number of times each ranking was assigned for a project and a sum of the values was obtained. The project with the highest value was determined to be the highest priority for the entity. This system also allowed the project team to determine whether the projects were cost-effective based on the rankings provided in the STAPLEE forms. For instance, a project with mostly low rankings may not be cost effective due to the fact that the benefit to the entity would be outweighed by the costs, both direct and indirect, to complete the project. If an entity were to pursue one of the mitigation actions, a more formal benefit cost analysis would need to be completed. Copies of the completed STAPLEE forms are available in Appendix B.

It should be noted that one of the most important programs developed to aid communities in understanding and managing their flooding risks is the FEMA-managed National Flood Insurance Program (NFIP). According to the official web site of the NFIP ([www.floodsmart.gov](http://www.floodsmart.gov)), the NFIP was created in 1968 to help property owners, including homeowners, renters, and business owners, to financially protect themselves by offering flood insurance to NFIP participating communities. In turn, these communities agree to adopt and enforce floodplain management techniques that meet or exceed FEMA requirements to reduce the risk of flooding. Community participation in the NFIP is purely voluntary, however a large number of communities across the country have become participants due to the benefits of participation for their residents and businesses.

In the planning area, a number of counties and communities participate in the NFIP. According to the NFIP Community Status Book ([www.fema.gov/fema/csb.shtm](http://www.fema.gov/fema/csb.shtm)) the participants and their Community Identification (CID) number are as follows:

- Burt County (CID 310420A)
  - Village of Decatur (CID 310021#)
  - City of Tekamah (CID 310024#)
- Dakota County (CID 310429#)
  - Dakota City (CID 310053#)
  - Village of Homer (CID 310241#)
  - Village of Jackson (CID 310292#)
  - South Sioux City (CID 310054#)

- Douglas County (CID 310073#)
  - City of Bennington (CID 310074#)
  - Village of Boys Town (CID 310353#)
  - City of Omaha (CID 315274#)
  - City of Ralston (CID 310077#)
  - City of Valley (CID 310078#)
  - Village of Waterloo (CID 310079#)
- Sarpy County (CID 310190#)
  - City of Bellevue (310191#)
  - City of La Vista (310192#)
  - City of Papillion (315275#)
  - City of Springfield (310194#)
- Washington County (CID 310483#)
  - Village of Arlington (CID 310227#)
  - City of Blair (CID 310228#)
  - City of Fort Calhoun (CID 310368#)
  - Village of Herman (CID 310229#)
  - Village of Kennard (CID 310230#)
  - Village of Washington (CID 315496#)

According to the NFIP Community Status Book, Thurston County is currently not participating in the National Flood Program. However, the Winnebago Indian Tribe (CID 315498#), the Town of Winnebago (CID 310223#), and the Village of Walthill (CID 310222#) in Thurston County, are participants.

For all the NFIP participating communities, continued compliance through participation in the Community Rating System (CRS), floodplain remapping efforts, and floodplain ordinances were examined where applicable. For more information on NFIP participation and repetitive loss structures, please refer to Section 3 Risk Assessment.

Table 4.2 lists the status of mitigation goals and actions developed in each community in 2006, as well as new actions identified during this planning process. Each jurisdiction is discussed separately. Those jurisdictions that were included in the original 2006 plan are denoted by an asterisk and a discussion of the status (on-going, deferred, or deleted) of their mitigation actions from the 2006 plan is included in the table. Jurisdictions new to the plan do not address changes from the 2006 plan.

**Table 4.2. Mitigation Actions by Jurisdiction**

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>COMMUNITIES</b>								
<b>Papio-Missouri River Natural Resources District</b>								
1 3.7	Tree Mitigation Plan	New	Completion dependent on availability of funding	All	\$100,000+	P-MRNRD	Nebraska Forest Service	P-MRNRD Cities and Villages of P-MRNRD Counties of P-MRNRD Nebraska Forest Service
2 3.4	Elevation of Bridges	New	Completion dependent on availability of funding	Flooding	\$500,000+	P-MRNRD	HMGP PDM	P-MRNRD Cities and Villages of P-MRNRD Counties of P-MRNRD Nebraska Department of Roads NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 3.2	Channel Improvements	New	Completion dependent on availability of funding	Flooding	\$100,000+	P-MRNRD	HMGP Nebraska Environmental Trust DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	P-MRNRD Cities and Villages of P-MRNRD Counties of P-MRNRD NEMA FEMA Nebraska Environmental Trust Nebraska Department of Economic Development (DED) USDA Nebraska Department of Environmental Quality (NDEQ)

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.6	Floodplain Buyouts	New	Completion dependent on availability of funding	Flooding	\$50,000+	P-MRNRD	HMGP PDM	P-MRNRD Cities and Villages of P-MRNRD Counties of P-MRNRD Nebraska Department of Roads NEMA FEMA
5 1.4	Flood Warning System Upgrades	New	Completion dependent on availability of funding	Flooding	\$50,000+	P-MRNRD	HMGP PDM	P-MRNRD Cities and Villages of P-MRNRD Counties of P-MRNRD Nebraska Department of Roads NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 3.3	Drainage Studies	New	Completion dependent on availability of funding	Flooding	\$50,000+	P-MRNRD	DED CDBG Community Development Program	P-MRNRD Cities and Villages of P-MRNRD Counties of P-MRNRD NDNR Nebraska DED
7 3.4	Elevation of Structures in the Floodplain	New	Completion dependent on availability of funding	Flooding	\$20,000+	P-MRNRD	HMGP PDM	P-MRNRD Cities and Villages of P-MRNRD Counties of P-MRNRD Nebraska Department of Roads NEMA FEMA
<b>P-MRNRD Mitigation Action Items from 2006 plan</b>								
	Include additional communities in next NRD Plan Update	On-going	This continues to be a mitigation action for P-MRNRD.					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Acquisition and demolition of floodprone structures	On-going	Several properties have been acquired and demolished in Elbow Bend, Iske Park, and King Lake. Properties along Thompson Creek will be acquired in 2011.					
	Floodplain Management	On-going	This continues to be a mitigation action for P-MRNRD. We have worked to provide updated floodplain maps to our communities as well as helped to develop new higher standards in local floodplain ordinances. Several communities adopted higher standard ordinances in May 2010					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Drainage Improvements	On-going	This continues to be a mitigation action for P-MRNRD.					
	Channel Improvements	On-going	This continues to be a mitigation action for P-MRNRD.					
	Upgrades to flood warning systems	Deferred	P-MRNRD continues to operate a flood warning system. In the coming years P-MRNRD will look to update equipment and provide further monitoring locations as well as develop a publicly-accessible website for stream level and precipitation monitoring					
	Elevation of bridges	On-going	This continues to be a mitigation action for P-MRNRD.					
	Elevation of structures in the floodplain	On-going	This continues to be a mitigation action for P-MRNRD.					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Urban tree management plan, tree mitigation programs such as clean-up days and ash tree replacement plans	Deferred	Work has not been completed on this plan. In the coming years P-MRNRD will look to develop a plan to address urban tree management					
	Flood Control Reservoir Site 3c - Douglas/Washington County - Big Papillion Creek	Deleted	This project is no longer a project that will be completed by P-MRNRD					
	Flood control Reservoir Site 1 - Washington County - Big Papillion Creek	Deleted	This project is no longer a project that will be completed by P-MRNRD					
	West Branch Papillion Creek Channelization from Papillion to Giles Road	On-going	To be completed in 2011					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Big Papillion Creek channelization from Blondo Street to Fort Street, Omaha	Deleted	This project will not be completed and is not included in the plan update. The modifications to the hydraulics of the creek system create further problems with erosion, therefore P-MRNRD will no longer continue to channelize streams					
	Outdoor Tornado Siren Assessment	Deferred	Each community will continue to assess their individual jurisdiction					
	Purchase NOAA Weather Radios for Critical Facilities	Deleted	This project will not be completed and is not included in the plan update.					
	Tornado Shelter Assessment	Deferred	Each community will continue to assess their individual jurisdiction					
	Severe Weather Awareness Education	Deferred	Each community will continue to assess their individual jurisdiction					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Identify Snow Emergency Routes	Deferred	Each community will continue to assess their individual jurisdiction					
	Identify Population Centers At-Risk to All Dam Failures	On-going	In 2010, P-MRNRD updated breach routing for high-hazard dams within the District. Emergency actions plans were also updated to comply with all current standards. Table topic exercises have been completed with emergency officials to run through the chain of events in case a dam were to breach.					
	Comprehensive Levee System for Valley	Deleted	Project determined infeasible					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Education and Improved Hail Warning System	Deferred	Each community will continue to assess their individual jurisdiction					
	Flood Awareness Education	On-going	As part of the issuance of new flood maps, public information sessions were held in 2008. As flood maps are updated in other jurisdictions, further education activities will be completed					
	Flood Insurance Education for Homeowners	On-going	As part of the issuance of new flood maps, public information sessions were held in 2008. As flood maps are updated in other jurisdictions, further education activities will be completed					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>Burt County</b>								
1 1.1	Updated Floodplain Maps	New	Completion dependent on availability of funding	Flooding	Unknown	Burt County Planning and Zoning	FEMA CTP Grant Funding	Burt County P-MRNRD Region 5/6 Emergency Management NDNR NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 3.2	Channel Maintenance and Stabilization	New	Completion dependent on availability of funding	Flooding	\$100,000	Burt County	HMGP Nebraska Environmental Trust DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	Burt County P-MRNRD NEMA FEMA Nebraska Environmental Trust Nebraska Department of Economic Development (DED) USDA NDEQ

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 1.5	Increase Public awareness of tornado, high wind & flood mitigation actions	New	Completion dependent on availability of funding	Tornado High Wind Flood	\$10,000	Burt County	HMGP PDM	Burt County Region 5/6 Emergency Management  NEMA  FEMA
4 1.4	Provide adequate emergency notification system for severe weather and other disaster notification	New	Completion dependent on availability of funding	All	\$200,000	Burt County	HMGP	Burt County Region 5/6 Emergency Management  NEMA  FEMA
5 2.3	GIS Mapping	New	Completion dependent on availability of funding	All	Unknown	Burt County	DED CDBG Community Development Program	Burt County  NEMA  Nebraska DED

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 2.2	Emergency power generation for critical facilities	New	Completion dependent on availability of funding	All	TBD - Estimated \$100,000	Burt County	HMGP USDA Community Facilities Loans and Grants	Burt County Region 5/6 Emergency Management NEMA FEMA USDA
<b>Burt County – For Summit Township</b>								
1 3.4	Take down bank and rebuild road	New	Completion dependent on availability of funding	All	\$6,000	Burt County Roads/ Summit Township Board	HMGP	Burt County NEMA FEMA
2 3.4	Take down bank and rebuild road	New	Completion dependent on availability of funding	All	\$5,000	Burt County Roads/ Summit Township Board	HMGP	Burt County NEMA FEMA
<b>Village of Decatur</b>								
1 3.4	Update Problem Bridge	New	Completion dependent on availability of funding	All	\$400,000	Village of Decatur	HMGP	Village of Decatur NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 3.2	Channel Improvement and Stabilization of Elm Creek	New	Completion dependent on availability of funding	Flooding	\$10,000	Village of Decatur	HMGP Nebraska Environmental Trust DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	Village Decatur Region 5/6 Emergency Management NEMA FEMA Nebraska Environmental Trust Nebraska DED USDA NDEQ

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 1.1	Update Floodplain Maps	New	Completion dependent on availability of funding	Flooding	\$5,000	Village of Decatur	FEMA CTP Grant Funding	Village of Decatur Region 5/6 Emergency Management NDNR NEMA FEMA
4 1.2	Storm Shelter for Beck Park	New	Completion dependent on availability of funding	All	\$25,000	Village of Decatur	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Village of Decatur Region 5/6 Emergency Management NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
5 2.2	Backup Generator for City Offices	New	Completion dependent on availability of funding	All	\$30,000	Village of Decatur	HMGP USDA Community Facilities Loans and Grants	Village of Decatur Region 5/6 Emergency Management NEMA FEMA USDA
<b>Dakota County*</b>								
1 1.1	Remap Dakota County floodplains	On-going - Preliminary Maps Issued	Project to proceed once changes are published in the Federal Register	Flood	Unknown	Dakota County P-MRNRD	P-MRNRD FEMA CTP Grant Funding	P-MRNRD NDNR NEMA FEMA
2 3.7	Tree Management	New	Completion dependent on availability of staff and funds	All	\$40,000	Dakota County	Nebraska Forest Service	Dakota County Dakota County Emergency Management Nebraska Forest Service

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 3.2	Stream Bank Stabilization	New	Completion dependent on availability of funding	Flood	\$50,000	Dakota County	HMGP Nebraska Environmental Trust DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	Dakota County Dakota County Emergency Management NEMA FEMA Nebraska Environmental Trust Nebraska DED USDA NDEQ
4 3.5	Ditch Clearing	New	Completion dependent on availability of funding	Flood	\$60,000	Dakota County Roads	HMGP PDM	Dakota County NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
5 1.5	Establish Snow Routes	New	Completion dependent on availability of staff and funds	Severe Winter Storm	\$2,000	Dakota County Roads	Dakota County	Dakota County
<b>Dakota County Mitigation Action Items from 2006 plan</b>								
	Complete structural inventory of Dakota County	Deleted	No local interest at this time					
	Upgrade problem Dakota County bridges	Deleted	No local interest at this time					
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest at this time					
<b>Dakota City</b>								
1 2.2	Backup Generators	New	Completion dependent on availability of funding	All	\$70,000	Dakota City	HMGP USDA Community Facilities Loans and Grants	Dakota City Dakota County Emergency Management NEMA FEMA USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 2.1	Bury Power Lines	New	Completion dependent on availability of funding	All	\$50,000	Dakota City NPPD	HMGP PDM	Dakota City Dakota County Emergency Management NEMA FEMA Nebraska Public Power District (NPPD)

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 3.2	Stream Bank Stabilization	New	Completion dependent on availability of funding	Flood	\$80,000	Dakota City	HMGP Nebraska Environmental Trust DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	Dakota City Dakota County Emergency Management NEMA FEMA Nebraska DED USDA NDEQ

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.3	Siren Replacement	New	Completion dependent on availability of funding	All	\$28,000	Dakota City	HMGP	Dakota City Dakota County Emergency Management NEMA FEMA
5 1.2	Community Safe Room	New	Completion dependent on availability of funding	All	\$31,000	Dakota City	HMGP	Dakota City Dakota County Emergency Management NEMA FEMA
6 1.1	Maintain good standing with NFIP	On-going	This continues to be a mitigation action for Dakota City	Flooding	Unknown	Dakota City	FEMA P-MRNRD	NDNR P-MRNRD NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>Village of Jackson*</b>								
1 2.4	Security System to Water Plant	New	Completion dependent on availability of funding	All	Unknown	Village of Jackson	Department of Homeland Security (DHS) Grant	Village of Jackson Dakota County Dakota County Emergency Management Agency NEMA FEMA DHS
2 2.2	Generator	New	Completion dependent on availability of funding	All	\$50,000	Village of Jackson	HMGP Surplus Application	P-MRNRD NEMA FEMA
3 1.1	Maintain standing in NFIP	On-going	This continues to be a mitigation action for the Village of Jackson	Flood	Unknown	Village of Jackson	HMGP P-MRNRD	P-MRNRD NDNR NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>Village of Jackson Mitigation Action Items from 2006 plan</b>								
	Perform tornado shelter assessment	Deleted	No local interest at this time					
	Bury Power Lines	Deleted	No local interest at this time					
	Complete a tree inventory	Deleted	No local interest at this time					
	Mandate underground utilities for new development	Deleted	No local interest at this time					
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest at this time					
<b>South Sioux City*</b>								
1 1.1	Update 100 year and 500 year Floodplain Map.	On-going - Preliminary Maps Issued	Project to proceed once changes are published in the Federal Register	Flood	\$50,000	South Sioux City	FEMA CTP Grant Funding	South Sioux City Dakota County Emergency Management Agency NDNR NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.2	Assess storm shelter locations and provide emergency shelters to vulnerable populations.	On-going	Completion dependent on availability of staff and funds	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	\$15,000	South Sioux City	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	South Sioux City Dakota County Emergency Management NEMA FEMA Nebraska DED USDA
3 1.4	Assess current severe weather warning system and provide adequate warning for severe weather as needed. Use City Fiber network to notify citizens of warnings.	New	Completion dependent on availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado	\$30,000	South Sioux City	HMGP PDM	South Sioux City Dakota County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.5	Identify, designate, and publicize the locations of tornado shelters.	New	Completion dependent on availability of staff and funds	Tornado	\$10,000	South Sioux City	HMGP PDM	South Sioux City Dakota County Emergency Management Agency NEMA FEMA
5 2.2	Emergency Power Generation for Critical Facilities	New	Completion dependent on availability of funding	All	\$300,000	South Sioux City	HMGP USDA Community Facilities Loans and Grants	South Sioux City Dakota County Emergency Management Agency NEMA FEMA USDA
6 1.1	Maintain good standing in the NFIP	On-going	This continues to be a mitigation action for South Sioux City	Flood	\$0	South Sioux City	FEMA P-MRNRD	South Sioux City P-MRNRD NDNR NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
7 3.4	Purchase and use an anti hail device/cannon to protect community from hail storms.	New	Completion dependent on availability of funding	Thunderstorms/High Winds/Lightning/Hail	\$150,000	South Sioux City	HMGP PDM	South Sioux City Dakota County Emergency Management Agency NEMA FEMA
8 3.7	Develop an urban tree management plan and hire tree service firm to provide service.	New	Completion dependent on availability of funding	All	\$20,000 / year	South Sioux City	Nebraska Forest Service	South Sioux City Dakota County Emergency Management Agency Nebraska Forest Service
<b>South Sioux City Mitigation Action Items from 2006 plan</b>								
	Drainage study of frequently flooded areas	Deleted	No local interest at this time					
	Acquisition of flood prone structures	Deleted	No local interest at this time					
	Study alternative snow removal and dumping options	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>Douglas County*</b>								
1 1.4	Remote monitoring and warning unit	New	Completion dependent on availability of funding	All	\$85,000	Douglas County Emergency Management	HMGP	Douglas County Douglas County Emergency Management Agency NEMA FEMA
2 1.3	Burial of power supply to outdoor warning sirens	New	Completion dependent on availability of funding	Tornado	\$100,000	Douglas County Emergency Management	HMGP PDM	Douglas County Douglas County Emergency Management Agency NEMA FEMA
3 1.1	Floodplain Map Updates	On-going - Hydraulic Study underway for Papio Creek Watershed	Hydraulics to be completed 2010. Completion dependent on USACE funding for FY 2011	Flood	Existing Staff	Douglas County and P-MRNRD	P-MRNRD USACE FEMA CTP Grant Funding	Douglas County P-MRNRD NDNR USACE NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>Douglas County Mitigation Action Items from 2006 plan</b>								
	Complete structural inventory of Douglas County	Deleted	No local interest or funding at this time					
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest or funding at this time					
	Upgrade problem Douglas County bridges	Deleted	No local interest or funding at this time					
	Acquire repetitive loss properties	Deleted	No local interest or funding at this time					
<b>City of Omaha* (Including Mitigation Action Items from 2006 plan)</b>								
1 3.1	Mitigate repetitive loss properties through voluntary acquisition, elevation, etc.	On-going	Completed as funds are available	Flood	Unknown	City of Omaha	HMGP PDM	P-MRNRD Douglas County Emergency Management Agency City of Omaha NEMA FEMA
2 3.1	Continue maintenance and enforcement of the stormwater management ordinance	On-going	This continues to be a mitigation action for the City of Omaha	Flood Thunderstorms/High Winds/Lightning/Hail	Existing Staff	City of Omaha	City of Omaha P-MRNRD	City of Omaha P-MRNRD

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 1.5	Identify, designate and publicize tornado shelters	Deferred	Staff and funds unavailable	Thunderstorms/High Winds/Lightning/Hail  Tornado	Unknown	City of Omaha	HMGP PDM City of Omaha	City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA
4 3.3	Complete inventory of vulnerable structures in Omaha	Deferred	Some data available from HAZ-US Risk Assessment. More detailed study deferred until staff and funds available	All	Unknown	City of Omaha	City of Omaha USACE	City of Omaha USACE
5 1.4	Ensure adequate severe weather notifications to critical facilities by purchasing weather radios	Deferred	Staff and funds unavailable	All	\$50 / radio	City of Omaha	HMGP Local Businesses City of Omaha	City of Omaha Douglas County Emergency Management Agency Local Businesses NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 3.7	Develop an urban tree management program including a comprehensive inventory	Deferred	Staff and funds unavailable	All	Unknown	City of Omaha	Nebraska Forest Service City of Omaha	City of Omaha Douglas County Nebraska Forest Service
7 2.1	Initiate a power line burying project	Deferred	Staff and funds unavailable	Tornado Thunderstorms/High Winds/Lightning/Hail Severe Winter Storm	Unknown	City of Omaha	HMGP PDM City of Omaha	City of Omaha Douglas County Public Power District NEMA FEMA
8 1.1	Maintain good standing in NFIP	On-going	This continues to be a mitigation action for the City of Omaha	Flood	Unknown	City of Omaha	HMGP P-MRNRD	P-MRNRD NDNR NEMA FEMA
<b>City of Ralston*</b>								
1 3.5	Drainage and Erosion Control	New	Completion dependent on availability of funding	Flood	Unknown	City of Ralston Public Works	HMGP DED Community Development Block Grant P-MRNRD	City of Ralston P-MRNRD NEMA FEMA Nebraska DED

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.1	Maintain good standing in the NFIP	New	Completion dependent on availability of funding	Flood Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	\$400,000	City of Ralston	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Bellevue Sarpy County Sarpy County Emergency Management Agency NEMA FEMA
<b>City of Ralston Mitigation Action Items from 2006 plan</b>								
	Adopt a stormwater management ordinance	Completed 9-5-2006						
	Complete structural inventory of Ralston	Deferred	Some data available from HAZ-US Risk Assessment. More detailed study deferred until staff and funds available					
	Drainage study to identify flood mitigation projects	Deleted	Funding unavailable					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Identify, designate and publicize tornado shelters	Deleted	No local interest or funding at this time					
	Develop an urban tree management program	Deleted	No local interest or funding at this time					
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest or funding at this time					
<b>City of Valley**</b>								
1 3.4	Street Stormwater Improvements	New	Completion dependent on availability of funding	Flood	\$900,000	City of Valley	HMGP PDM	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 2.2	Back-Up Generators	Deferred	Completion dependent on availability of funding	All	\$140,000	City of Valley	HMGP PDM USDA Community Facilities Loans and Grants	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA USDA
3 2.4	Gardiner Street Lift Station Improvements	New	Completion dependent on availability of funding	Flood	\$350,000	City of Valley	HMGP PDM DED CDBG Community Development Program	City of Valley Douglas County Emergency Management Agency NEMA FEMA Nebraska DED

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 3.5	Drainage Improvements	Deferred	Completion dependent on availability of funding	Flood	\$300,000	City of Valley	HMGP PDM	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA
5 1.2	Storm Shelters	Deferred	Completion dependent on availability of funding	Flood Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	\$100,000	City of Valley	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 3.6	Fuel Tank Anchoring	New	Completion dependent on availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado Flood	\$15,000	City of Valley	HMGP PDM	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA
7 2.4	Grade Control Sewer Lift Stations	New	Completion dependent on availability of funding	Flood	\$70,000	City of Valley	HMGP PDM	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
8 1.4	Reverse 911	New	Completion dependent on availability of funding	All	\$40,000	City of Valley	HMGP	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA
9 3.5	Remove Flow Constriction	New	Completion dependent on availability of funding	Flood	\$100,000	City of Valley	HMGP PDM	City of Valley Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
10 1.1	Maintain good standing in the NFIP	On-going	Completion dependent on availability of funding	Flood Thunderstorms/High Winds/Lightning/Hail	Unknown	City of Valley	FEMA P-MRNRD	City of Valley P-MRNRD NDNR NEMA FEMA
<b>City of Valley Mitigation Action Items from 2006 plan</b>								
	Develop a emergency snow route plan	Deleted	No local interest at this time					
	Bury Power Lines	Deleted	No local interest at this time					
	Pass ordinance requiring power lines and other service lines to be buried for new construction	Deleted	No local interest at this time					
	Develop an urban tree management program	Deleted	No local interest at this time					
	Purchase weather radios for critical facilities	Deleted	No local interest at this time					
	Perform assessment of tornado siren system	Deleted	No local interest at this time					
	Pass ordinance requiring the use of hurricane straps on new construction	Deleted	No local interest at this time					
	Identify, designate and publicize tornado shelters	Deleted	No local interest at this time					
	Drainage study to identify flood mitigation projects	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Acquire repetitive loss properties	Deleted	No local interest at this time					
	Flood warning and preparedness planning	Deleted	No local interest at this time					
<b>Village of Waterloo* (Including Mitigation Action Items from 2006 plan)</b>								
1 3.6	Maintain Levee	On-going	Levee is currently undergoing recertification process	Flood	Unknown	Village of Waterloo	HMGP PDM	Village of Waterloo Douglas County Emergency Management P-MRNRD USACE NEMA FEMA
2 3.5	Improve Interior Drain	Deferred	Completion dependent on availability of funding	Flood	\$15,000 minimum	Village of Waterloo	HMGP PDM	Village of Waterloo Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 3.4	Maintain Water Supply	Deferred	Completion dependent on availability of funding	All	Unknown	Village of Waterloo	HMGP PDM	Village of Waterloo Douglas County Douglas County Emergency Management Agency NEMA FEMA
4 2.2	Emergency Power	New	Completion dependent on availability of funding	All	Unknown	Village of Waterloo	HMGP USDA Community Facilities Loans and Grants	Village of Waterloo Douglas County Douglas County Emergency Management Agency NEMA FEMA USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
5 1.1	Maintain NFIP Standing	On-going	Current project underway to recertify levee that protects city	Flood	Unknown	Village of Waterloo	HMGP PDM	Village of Waterloo Douglas County Douglas County Emergency Management Agency NEMA FEMA
6 1.2	Tornado Shelters	Deferred	Completion dependent on availability of funding	Thunderstorms/High Winds/Lightning/Hail Tornado	Unknown	Village of Waterloo	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Village of Waterloo Douglas County Douglas County Emergency Management Agency NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
7 1.4	Early Alert System	Deferred	Completion dependent on availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	Unknown	Village of Waterloo	HMGP	Village of Waterloo Douglas County Douglas County Emergency Management Agency NEMA FEMA
8 3.3	Improve disaster recovery time and effectiveness	On-going	Completion dependent on availability of funding	All	Unknown	Village of Waterloo	Unknown	Village of Waterloo Douglas County Douglas County Emergency Management Agency

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>Sarpy County*</b>								
1 2.2	Emergency Backup Power Generator - Support to Critical Infrastructure/Key Resources. (Example) Sarpy County EOC/E911 Center, Fleet Maintenance.	New	Completion dependent on availability of funding	All	\$75,000	Sarpy County	HMGP USDA Community Facilities Loans and Grants	Sarpy County Sarpy County Emergency Management Agency Sarpy County Fleet Services NEMA FEMA USDA
2 2.2	Emergency Backup Power Generator - Support Critical Infrastructure, County Highway Department Gretna Facility. Will support Command Operations for Sarpy County.	New	Completion dependent on availability of funding	All	\$35,000	Sarpy County	HMGP USDA Community Facilities Loans and Grants	Sarpy County Sarpy County Emergency Management Agency Sarpy County Fleet Services NEMA FEMA USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 3.7	14 INCH Capacity Brush Chipper	New	Completion dependent on availability of funding	Tornado High Wind Sever Winter Storm	\$33,000	Sarpy County	HMGP DHS Grant	Sarpy County Emergency Management Agency  Sarpy County Highway Department  NEMA  FEMA  DHS
4 1.4	Solar Powered Portable Message Board	New	Completion dependent on availability of funding	All	\$14,000	Sarpy County	HMGP DHS Grant	Sarpy County Emergency Management Agency  Sarpy County Highway Department  Communities of Sarpy County  Sarpy County Sheriff's Department  NEMA  FEMA  DHS

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
5 1.1	Floodplain Map Updates	On-going - Hydraulic Study underway for Papio Creek Watershed	Hydraulics to be completed 2010. Completion dependent on USACE funding for FY 2011	Flood	Existing Staff	Sarpy County and P-MRNRD	P-MRNRD USACE FEMA CTP Grant Funding	NDNR P-MRNRD NEMA FEMA USACE
6 2.4	Implementation and use of FEMA's HAZUS-MH analysis software	New	Completion dependent on availability of funding	Flood	\$10,000	Sarpy County and Lincoln Water Systems	HMGP FEMA	Sarpy County property owners between Hwy. 6 and I-80 along the east bank of the Platte River  Lincoln Water Systems  Sarpy County Emergency Management Agency  NEMA FEMA
<b>Sarpy County Mitigation Action Items from 2006 plan</b>								
	Complete structural inventory of Sarpy County	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Upgrade problem Sarpy County bridges	Deleted	No local interest at this time					
	Remove very flood-prone structures in the Elbow Bend and Iske Park areas	Deleted	No local interest at this time					
	Acquire repetitive loss properties	Deferred	P-MRNRD to continue efforts					
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest at this time					
<b>City of Bellevue</b>								
1 2.2	Backup Generator for Emergency Shelter	New	Completion dependent on availability of funding	All	\$79,200	Bellevue Emergency Management	HMGP USDA Community Facilities Loans and Grants	City of Bellevue Sarpy County Emergency Management Agency NEMA FEMA USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.2	Safe House Shelter at Softball Complex	New	Completion dependent on availability of funding	Flood Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	\$400,000	Bellevue Emergency Management	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Bellevue Sarpy County Sarpy County Emergency Management Agency NEMA FEMA Nebraska DED USDA
3 1.2	Safe House Shelter for Haworth Park	New	Completion dependent on availability of funding	Flood Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	\$400,000	Bellevue Emergency Management	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Bellevue Sarpy County Sarpy County Emergency Management Agency NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.1	Maintain good standing in the NFIP	On-going	This continues to be a mitigation action for the City of Bellevue	Flood	Existing Staff	Bellevue Planning Department	FEMA P-MRNRD	NDNR P-MRNRD City of Bellevue FEMA
<b>City of Gretna</b>								
1 3.6	SCADA System for Water/Wastewater System - Centralized computer control system which monitors and controls critical utilities/infrastructure components	New	Completion dependent on availability of funding	All	\$50,000	City of Gretna Water Department	City of Gretna HMGP USDA Community Facilities Loans and Grants	City of Gretna Sarpy County Emergency Management Agency NEMA FEMA USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 2.2	Emergency Backup Power - Generator - Used for backup power due to loss of power at water tower location	New	Completion dependent on availability of funding	All	\$35,000	City of Gretna Water Department	HMGP USDA Community Facilities Loans and Grants	City of Gretna Sarpy County Emergency Management Agency NEMA FEMA USDA
3 1.2	Storm shelters/Safe Houses - Incorporate a safe house in the construction of a concession/restroom/storage facility at the new City Sports Complex or an existing city park	New	2014	Flood Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	\$150,000	City of Gretna	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Gretna Sarpy County Emergency Management Agency NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.3	Warning Sirens - Coverage for areas currently not adequately covered	New	Completion dependent on availability of funding	Tornado	\$45,000	City of Gretna	HMGP	City of Gretna Sarpy County Emergency Management Agency NEMA FEMA
5 1.4	Weather Radios - Implement program to assure that all schools, medical facilities, assisted living nursing homes, etc are furnished with a weather radio for use during severe weather and emergencies	New	Completion dependent on availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado Flood	Unknown	City of Gretna	HMGP	City of Gretna Gretna Public Schools Sarpy County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 3.5	Drainage Improvements - Continue to work towards a solution for improved stormwater/drainage improvements for properties downstream of development	New	Completion dependent on availability of funding	Flood	\$500,000	City of Gretna	HMGP DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	City of Gretna Sarpy County Emergency Management Agency P-MRNRD NEMA FEMA Nebraska DED USDA NDEQ

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>City of La Vista*</b>								
1 3.2	Channel maintenance and bank stabilization	Deferred	Completion dependent on availability of funding	Flood	\$3,000,000	City of La Vista	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	City of La Vista Sarpy County Sarpy County Emergency Management Agency P-MRNRD NEMA FEMA Nebraska DED USDA NDEQ

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 3.5	Reduce impacts of stormwater	Deferred	Completion dependent on availability of funding	Flood	\$1,000,000	City of La Vista	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	City of La Vista Sarpy County Sarpy County Emergency Management Agency P-MRNRD NEMA FEMA Nebraska DED USDA NDEQ

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 3.8	Upgrade problem bridges and culverts	Deferred	Completion dependent on availability of funding	Flood	\$2,000,000	City of La Vista	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants USDA Water and Waste Disposal Systems for Rural Communities NDEQ Clean Water State Revolving Fund Program (CWSRF)	City of La Vista Sarpy County Sarpy County Emergency Management Agency P-MRNRD NEMA FEMA Nebraska DED USDA NDEQ NDOR FHA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 2.1	Bury power lines	New	Completion dependent on availability of funding	All	\$10,000,000	City of La Vista	HMGP	City of La Vista Sarpy County Sarpy County Emergency Management Agency OPPD NEMA FEMA
5 3.7	Develop an urban tree management program	Deferred	Completion dependent on availability of funding	All	\$50,000	City of La Vista	Nebraska Forest Service	City of La Vista Sarpy County Emergency Management Agency Nebraska Forest Service
6 1.4	Provide severe weather notifications to residents via reverse 911 system or similar	Deferred	Completion dependent on availability of funding	All	\$50,000	City of La Vista	HMGP	City of La Vista Sarpy County Sarpy County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
7 2.2	Emergency power generation for critical facilities	New	Completion dependent on availability of funding	All	\$500,000	City of La Vista	HMGP USDA Community Facilities Loans and Grants	City of La Vista Sarpy County Sarpy County Emergency Management Agency NEMA FEMA USDA
8 1.5	Identify, designate and publicize tornado shelters	New	Completion dependent on availability of funding	Tornado	\$50,000	City of La Vista	HMGP PDM	City of La Vista Sarpy County Sarpy County Emergency Management Agency NEMA FEMA
9 1.1	Maintain good standing in the NFIP	On-going	This continues to be a mitigation action for the City of La Vista	Flood	Existing Staff	City of La Vista	FEMA P-MRNRD	NDNR P-MRNRD City of La Vista FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>City of La Vista Mitigation Action Items from 2006 plan</b>								
	Complete structural inventory of La Vista	Deleted	No local interest at this time					
<b>City of Papillion*</b>								
1 3.6	Disaster response equipment purchase Dump Truck	New	Completion dependent on availability of funding	All	\$180,000	Papillion Public Works Department	DHS Grant City Budget	City of Papillion DHS
2 3.6	Snow blower attachment	New	Completion dependent on availability of funding	Winter Storm	\$90,000	Papillion Public Works Department	DHS Grant City Budget	City of Papillion DHS
3 3.6	Front End Loader	New	Completion dependent on availability of funding	All	\$180,000	Papillion Public Works Department	DHS Grant City Budget	City of Papillion DHS
4 3.5	Washington Street Bridge Elevation	New	Completion dependent on availability of funding	Flooding	\$3,500,000	Papillion Public Works Department and P-MRNRD	HMGP FHA Grants City Budget	City of Papillion P-MRNRD NEMA FEMA NDOR FHA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
5 3.5	66th Street Bridge Elevation	New	Completion dependent on availability of funding	Flooding	\$1,500,000	Papillion Public Works Department and P-MRNRD	HMGP PDM City Budget	Sarpy County City of Papillion P-MRNRD NEMA FEMA
6 3.2	Channel stabilization at Midland Creek	New	Completion dependent on availability of funding	Flooding	\$2,500,000	Papillion Public Works Department and P-MRNRD	HMGP PDM City Budget	City of Papillion P-MRNRD NEMA FEMA
7 3.7	Tree Maintenance Education Program	Deferred	Deferred until funding is available	All	\$50,000	Papillion Planning Department	Nebraska Forest Service City Budget	City of Papillion Nebraska Forest Service Arbor Day Foundation
8 1.1	Maintain good standing in the NFIP and obtain CRS Points through Inspection Program	On-going	This continues to be a mitigation action for the City of Papillion	Flooding	\$20,000	Papillion Planning Department	City Budget P-MRNRD	City of Papillion P-MRNRD

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
9 1.2	Storm Shelter at Walnut Creek Park Campground	Deferred	Deferred until funding is available	Flood Thunderstorms/High Winds/Lightning/Hail Tornado	\$175,000	City of Papillion	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Papillion Sarpy County Emergency Management NEMA FEMA Nebraska DED USDA
10 1.2	Storm Shelters at Halleck, City, & Schwer Parks	Deferred	Deferred until funding is available	Flood Thunderstorms/High Winds/Lightning/Hail Tornado	\$300,000	City of Papillion	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Papillion Sarpy County Emergency Management NEMA FEMA Nebraska DED USDA
<b>City of Papillion Mitigation Action Items from 2006 plan</b>								
	Complete structural inventory of Papillion	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Adopt a stormwater management ordinance	Completed 8-1-2006						
	Bury power lines	Deleted	No local interest at this time					
	Pass ordinance requiring power lines and other service lines to be buried for new construction	Deleted	No local interest at this time					
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest at this time					
<b>City of Springfield*</b>								
1 1.3	Sirens	Deferred	Deferred until funding is available	All	Unknown	City of Springfield	HMGP	City of Springfield Fire Protection District Sarpy County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.2	Tornado Shelters	New	Completion dependent on availability of funding	Tornado	Unknown	City of Springfield	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	City of Springfield Sarpy County Sarpy County Emergency Management Agency NEMA FEMA Nebraska DED USDA
3 1.4	Weather Radios	Deferred	Deferred until funding is available	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado Flood	Unknown	City of Springfield	HMGP	City of Springfield Fire Protection District Sarpy County Emergency Management Agency NEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.1	Maintain good standing in the NFIP	On-going	This continues to be a mitigation action for the City of Springfield	Flood	Existing Staff	City of Springfield	FEMA P-MRNRD	NDNR P-MRNRD City of Springfield FEMA
<b>City of Springfield Mitigation Action Items from 2006 plan</b>								
	Bury power lines	Deleted	No local interest at this time					
	Pass ordinance requiring power lines and other service lines to be buried for new construction	Deleted	No local interest at this time					
	Adopt a stormwater management ordinance	Deleted	No local interest at this time					
	Develop an urban tree management program	Deleted	No local interest at this time					
	Improve drainage in Springfield Creek	Deleted	No local interest at this time					
	Work with area landowners to terrace farmland in areas around town	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Acquire repetitive loss properties	Deleted	No local interest at this time					
<b>Village of Walthill</b>								
1 2.2	Backup power generation	New	Completion dependent on availability of funding	Tornado Thunderstorms/High Winds/Lightning/Hail Severe Winter Storm	\$100,000	Village of Walthill	HMGP USDA Community Facilities Loans and Grants	Village of Walthill Thurston County NEMA FEMA USDA
2 1.1	Maintain good standing with NFIP	On-going	This item continues to be a mitigation action for the Village of Walthill	Flooding	Existing Staff	Village of Walthill	FEMA P-MRNRD	P-MRNRD NDNR NEMA FEMA
<b>Washington County*</b>								
1 1.5	Increase Public awareness of tornado, high wind & flood mitigation actions	New	Completion dependent on availability of funding	Tornado High Wind Flood	\$10,000	Washington County	N/A	Washington County

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 3.3	Complete Flood Mitigation and watershed study for the Bell Creek	Deferred	Deferred until funding is available	Flood	\$35,000	Washington County	NRCS Small Watershed Study  DED CDBG Community Development Program	Village of Arlington Washington County  P-MRNRD NRCS Nebraska DED
3 1.4	Provide adequate emergency notification system for severe weather and other disaster notification	Deferred	Deferred until funding is available	All	\$200,000	Washington County	HMGP	Washington County NEMA FEMA
4 1.5	Establish safe/Evacuation routes	New	Completion dependent on availability of funding	All	\$20,000	Washington County	Washington County and Local Communities	City of Blair City of Fort Calhoun Village of Kennard Washington County

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
5 2.2	Emergency power generation for critical facilities	New	Completion dependent on availability of funding	All	TBD - Estimated \$100,000	Washington County	HMGP USDA Community Facilities Loans and Grants	Washington County NEMA FEMA USDA
6 1.1	Remap Washington County floodplains	On-going - Preliminary Maps Issued	Project to proceed once changes are published in the Federal Register	Flood	Unknown	Washington County P-MRNRD	P-MRNRD FEMA CTP Grant Funding	Washington County P-MRNRD NDNR NEMA FEMA
<b>Washington County Mitigation Action Items from 2006 plan</b>								
	Complete structural inventory of Washington County	Deleted	No local interest at this time					
	Remove flow constrictions on Fish Creek	Deleted	No local interest at this time					
	Remap Washington County Floodplains	Deleted	No local interest at this time					
	Mitigate county road bridges which restrict flood flows	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Mitigate repetitive loss properties	Deleted	No local interest at this time					
<b>City of Blair*</b>								
1 2.3	Plan for and acquire on-site emergency power generation for major employers and critical facilities	New	Completion dependent on availability of funding	Ice Storm Severe Summer Storm/Wind Storm Tornado Disease	\$500,000	City of Blair	HMGP PDM USDA Community Facilities Loans and Grants	City of Blair Washington County Washington County Emergency Management NEMA FEMA USDA
2 3.2	Install a lower intake structure at Blair's water treatment plant	New	Completion dependent on availability of funding	Flood	\$100,000	City of Blair	HMGP	City of Blair Washington County Washington County Emergency Management NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 1.1	Maintain good standing with National Flood Insurance Program and raise CRS rating	New	Completion dependent on availability of funding	Flood	\$2,000 / year	City of Blair	P-MRNRD FEMA	City of Blair P-MRNRD NDNR NEMA FEMA
4 3.1	Adopt a stormwater management ordinance for all commercial and residential subdivision development to limit the future impact of local floods	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$10,000	City of Blair	P-MRNRD HMGP DED CDBG Community Development Program	City of Blair P-MRNRD NEMA FEMA Nebraska DED
5 3.7	Develop an urban tree management plan	New	Completion dependent on availability of funding	Ice Storm Severe Summer Storm / Wind Storm Tornado Disease	\$50,000	City of Blair	HMGP	City of Blair Washington County Washington County Emergency Management NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 1.4	Ensure adequate severe weather notifications to critical facilities by purchasing weather radios	New	Completion dependent on availability of funding	Tornado High Wind Severe Winter Storm	\$50 / radio	City of Blair	HMGP	City of Blair Washington County Washington County Emergency Management NEMA FEMA
7 3.3	Complete structural inventory of Blair	New	Completion dependent on availability of funding	All	\$50,000	City of Blair	HMGP PDM USDA Community Facilities Loans and Grants	City of Blair Washington County Washington County Emergency Management NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
8 3.3	Identify, designate and publicize tornado shelters	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$10,000	City of Blair	HMGP PDM	City of Blair Washington County Washington County Emergency Management NEMA FEMA
9 2.3	Provide severe weather notifications to residents via reverse 911 or other new media	New	Completion dependent on availability of funding	All	\$50,000	City of Blair	HMGP PDM	City of Blair Washington County Washington County Emergency Management NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
10 1.1	Increase channel capacity of area creeks at culverts to reduce floodplain area	New	Completion dependent on availability of funding	Flood	\$1,000,000+	City of Blair	P-MRNRD HMGP DED CDBG Community Development Program	City of Blair P-MRNRD NEMA FEMA Nebraska DED
11 3.5	Channel maintenance and stabilization in order to protect more than one parcel	New	Completion dependent on availability of funding	Flood	Unknown	City of Blair	P-MRNRD HMGP DED CDBG Community Development Program	City of Blair P-MRNRD NEMA FEMA Nebraska DED
12 1.2	Assess storm shelter needs and availability and provide shelters to vulnerable populations	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$100,000+	City of Blair	HMGP PDM	City of Blair Washington County Washington County Emergency Management NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>City of Blair Mitigation Action Items from 2006 plan</b>								
	Complete structural inventory of Blair	Deleted	No local interest at this time					
	Maintain good standing with National Flood Insurance Program	On-going	This continues to be a mitigation action for the City of Blair					
	Complete drainage study for City of Blair	Deleted	No local interest at this time					
	Floodproof existing homes which sustain basement or other flood damage	Deleted	No local interest at this time					
	Buyout and removal of the most flood-prone structures, with cleared area to be retained as public open space	Deleted	No local interest at this time					
	Flood warning system to alert citizens with assets in flood-prone areas	Deleted	No local interest at this time					
	Develop a stormwater management ordinance	Deleted	No local interest at this time					
	Channel maintenance	Deleted	No local interest at this time					
	Initiate an annual maintenance schedule in conjunction with the P-MRNRD and with the local irrigation district to prevent the capacity of creeks from diminishing over time	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Increase capacity of the constrictions on creeks at bridge or culvert crossings by reconstructing them with larger spans and by excavating a larger cross-section under the bridges	Deleted	No local interest at this time					
	Install a lower intake structure at Blair's water plant	On-going	This continues to be a mitigation action for the City of Blair					
	Perform an assessment of existing structures to determine their capability to be used as tornado shelters	Deleted	No local interest at this time					
	Create public shelters by retrofitting or new construction	Deleted	No local interest at this time					
	Consider constructing tornado shelters for vulnerable construction (manufactured home subdivisions)	Deleted	No local interest at this time					
	Complete a tree inventory with assistance from the Nebraska Forest Service	Deleted	No local interest at this time					
	Evaluate on-site emergency power generation for major employers and critical facilities	On-going	This continues to be a mitigation action for the City of Blair					
	Purchase "Emergency Snow Route" Signage	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest at this time					
<b>City of Fort Calhoun*</b>								
1 3.4	Detention cells west of 16th Street	Deferred	Deferred until funding is available	Flood	\$175,000	City of Fort Calhoun	HMGP PDM	City of Fort Calhoun P-MRNRD NEMA FEMA
2 3.5	US HWY 75 Drainage 100 Year Flood Path	New	Completion dependent on availability of funding	Flood	\$48,000	City of Fort Calhoun	HMGP	City of Fort Calhoun P-MRNRD NEMA FEMA
3 1.1	Maintain good standing with National Flood Insurance Program	On-going	This continues to be a mitigation action for the City of Fort Calhoun	Flood	Existing Staff	City of Fort Calhoun	FEMA P-MRNRD	NDNR P-MRNRD City of Fort Calhoun FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 3.4	US HWY 75 Storm Sewer Improvements Court St to Jefferson St	New	Completion dependent on availability of funding	Flood	\$137,000	City of Fort Calhoun	HMGP PDM	City of Fort Calhoun P-MRNRD NEMA FEMA
5 3.7	Develop an urban tree management plan	Deferred	September 2016 (Completion depends on funding and staffing availability)	Ice Storm Thunderstorms/High Winds/Lightning/Hail Tornado Disease	Existing Staff	City of Fort Calhoun	Nebraska Forest Service Multiple funding sources are available for planting new trees.	City of Fort Calhoun Nebraska Forest Service Contractors
<b>City of Fort Calhoun Mitigation Action Items from 2006 plan</b>								
	Construct small levee west of City Hall	Deleted	No local interest at this time					
	Reduce flood damages - Rustic Inn overflow	Deleted	No local interest at this time					
	Culvert Improvements	Deleted	No local interest at this time					
	Channel maintenance	Deleted	No local interest at this time					
	Streambank stabilization	Deleted	No local interest at this time					

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
	Ensure adequate severe weather notifications to critical facilities	Deleted	No local interest at this time					
	Perform tornado shelter assessment	Deleted	No local interest at this time					
<b>SCHOOL DISTRICTS AND COLLEGES</b>								
<b>Bellevue Public Schools</b>								
1 2.2	Backup Generators, 25 buildings	New	Completion dependent on availability of funding	All	\$500,000	Bellevue Public School District	HMGP Schools District City of Bellevue	Bellevue Public School District City of Bellevue Sarpy County Emergency Management Agency NEMA FEMA
2 1.2	Safe House/ Room/ Shelters	New	Completion dependent on availability of funding	Thunderstorms/High Winds/Lightning/Hail  Tornado	\$2,000,000	Bellevue Public School District/ City of Bellevue	HMGP School District City of Bellevue  USDA Community Facilities Loans and Grants	Bellevue Public School District City of Bellevue NEMA FEMA USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 1.4	Weather radios, 25 buildings	New	Completion dependent on availability of funding	Thunderstorms/High Winds/Lightning/Hail  Tornado	\$5,000	Bellevue Public School District	HMGP School District City of Bellevue	Bellevue Public School District City of Bellevue Sarpy County Emergency Management Agency NEMA FEMA
<b>Emerson-Hubbard Community Schools</b>								
1 1.2	Safe Room for School	New	Completion dependent on availability of funding	All	Unknown	Emerson - Hubbard Community Schools	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Village of Emerson Village of Hubbard Dakota County Emergency Management NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 2.2	Backup Generators	New	Completion dependent on availability of funding	All	Unknown	Emerson - Hubbard Community Schools	HMGP USDA Community Facilities Loans and Grants	Village of Emerson Village of Hubbard Dakota County Emergency Management NEMA FEMA USDA
<b>Omaha Public Schools</b>								
1 1.4	Intercom System Replacements at 6 OPS buildings	New	Completion dependent on availability of funding	All	\$18,000 each	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.4	Alert notification reverse 911	New	Completion dependent on availability of funding	All	\$7,650,000	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA
3 1.3	Weather siren - TAC	New	Completion dependent on availability of funding	Thunderstorms/High Winds/Lightning/Hail  Tornado	\$30,000	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.4	Replace walkie-talkies schools	New	Completion dependent on the availability of funding	All	Unknown	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA
5 1.4	Fire Alarm System Voice Activation	New	Completion dependent on the availability of funding	All	Unknown	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 2.2	Generators for district buildings in need of back-up power generation	New	Completion dependent on the availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado Earthquake	\$66,000 each	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA
7 3.4	Emergency lighting at district buildings	New	Completion dependent on the availability of funding	All	\$24,000 each	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
8 3.4	Improve Snow Removal	New	Completion dependent on availability of funding	Severe Winter Storm	\$27,500 each	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA
9 3.4	Shoring up roofs at vulnerable district buildings	New	Completion dependent on availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado	\$150,000 each	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
10 3.4	Snow Fencing	New	Completion dependent on availability of funding	Severe Winter Storm	\$8,550	Omaha Public Schools	HMGP Omaha Public Schools (OPS)	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA
11 3.4	Roof Snow and Ice Accumulation Preventative Measures	New	Completion dependent on availability of funding	Severe Winter Storm	\$30,000	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
12 3.4	Flood proofing of floodprone district buildings	New	Completion dependent on availability of funding	Flood	\$4,000 each	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA
13 3.7	Tree Mitigation Program	New	Completion dependent on availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado	\$52,500	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
14 3.4	Access Control Systems	New	Completion dependent on availability of funding	All	Unknown	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Emergency Management Agency NEMA FEMA
15 3.4	Safety Improvements	New	Completion dependent on availability of funding	All	\$6,000	Omaha Public Schools	HMGP Omaha Public Schools Budget	Omaha Public School City of Omaha Douglas County Douglas County Emergency Management Agency NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
16 1.2	Storm Shelters at district buildings	New	Completion dependent on availability of funding	Thunderstorms/High Winds/Lightning/Hail  Tornado	\$1,250,000 each	Omaha Public Schools	HMGP  Omaha Public Schools Budget	Omaha Public School  City of Omaha  Douglas County  Douglas County Emergency Management Agency  NEMA  FEMA
17 3.4	Security film over glass	New	Completion dependent on availability of funding	Severe Winter Storm  Thunderstorms/High Winds/Lightning/Hail  Tornado  Earthquake	\$2,014,062	Omaha Public Schools	HMGP  Omaha Public Schools Budget	Omaha Public School  City of Omaha  Douglas County  Douglas County Emergency Management Agency  NEMA  FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>Papillion-La Vista Public Schools</b>								
1 1.2	School Safe Room	New	Completion dependent on availability of funding	All	\$100,000	Papillion-La Vista Public Schools	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Papillion – La Vista School District Communities of Papillion – La Vista School District Sarpy County Emergency Management Agency NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.4	Weather Radios for School	New	Completion dependent on availability of funding	Severe Winter Storm Thunderstorms/High Winds/Lightning/Hail Tornado Flood	\$1,400	Papillion-La Vista Public Schools	HMGP	Communities of Papillion – La Vista School District Sarpy County Emergency Management Agency NEMA FEMA
<b>Tekamah-Herman Community Schools</b>								
1 1.5	Establishment of Snow Routes	New	Completion dependent on availability of staff and funds	Severe Winter Storm	Unknown	Washington County Roads Burt County Roads	Washington and Burt Counties	Tekamah-Herman Community Schools Washington County Burt County

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.4	Communication Systems (radios, sirens)	New	Completion dependent on availability of funding	All	Unknown	Tekamah-Herman Community Schools	HMGP	Tekamah - Herman Community Schools Region 5/6 Emergency Management NEMA FEMA
3 1.2	School Safe Room and Shelter	New	Completion dependent on availability of funding	All	Unknown	Tekamah-Herman Community Schools	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Tekamah - Herman Community Schools Region 5/6 Emergency Management NEMA FEMA Nebraska DED USDA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 2.2	Emergency Power Generation	New	Completion dependent on availability of funding	All	Unknown	Tekamah-Herman Community Schools	HMGP USDA Community Facilities Loans and Grants	Tekamah - Herman Community Schools Region 5/6 Emergency Management NEMA FEMA USDA
<b>Metropolitan Community College</b>								
1 1.2	Replace overhead electrical lines with underground for Elkhorn Valley Campus	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$80,000	Metropolitan Community College	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Counties Metropolitan Community College serves Douglas County Douglas County Emergency Management Agency Nebraska DED USDA NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 1.2	Three storm shelters for Fort Omaha Campus	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$1,260,000	Metropolitan Community College	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Counties Metropolitan Community College serves Douglas County Douglas County Emergency Management Agency Nebraska DED USDA NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
3 1.2	Storm shelter for Elkhorn Valley Campus	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$490,000	Metropolitan Community College	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Counties Metropolitan Community College serves Douglas County Douglas County Emergency Management Agency Nebraska DED USDA NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
4 1.2	Two storm shelters for South Omaha Campus	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$840,000	Metropolitan Community College	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Counties Metropolitan Community College serves Douglas County Douglas County Emergency Management Agency Nebraska DED USDA NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
5 1.2	Storm shelters for Sarpy Center	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$420,000	Metropolitan Community College	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Counties Metropolitan Community College serves Douglas County Douglas County Emergency Management Agency Nebraska DED USDA NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
6 1.2	Storm shelters for Applied Technology Center	New	Completion dependent on availability of funding	Flood Severe Summer Storm Tornado Earthquake	\$280,000	Metropolitan Community College	HMGP PDM DED CDBG Community Development Program USDA Community Facilities Loans and Grants	Counties Metropolitan Community College serves Douglas County Douglas County Emergency Management Agency Nebraska DED USDA NEMA FEMA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
<b>University of Nebraska Medical Center</b>								
1 1.6	Address flooding along Saddle Creek Road between Dodge and Leavenworth in coordination with the Federal Project to rebuild and/or relocate Saddle Creek Road. Involves construction of a drainage swale to control the stormwater runoff.	New	Construction planned for 2013 or 2014. Environmental study currently being conducted.	Flood	\$4,100,000	University of Nebraska Medical Center  City of Omaha	HMGP  Nebraska Department of Roads (NDOR)  FHA	University of Nebraska Medical Center  City of Omaha  Douglas County  Douglas County Emergency Management Agency  NEMA  FEMA  NDOR  FHA

STAPLEE Priority / Objective	Mitigation Action/ Program/Project	Status	Status Explanation/ Timeframe for Completion	Hazard Addressed	Estimated Cost (\$)	Administrator	Funding Sources	Funding Partners
2 2.2	Installation of backup generation on campus to support critical normal power sources during a local, regional, or national disaster. Requires a new west utility plant to support hospital and clinical areas.	New	Completion dependent on availability of funding	All	\$15,000,000	University of Nebraska Medical Center  City of Omaha	HMGP	University of Nebraska Medical Center  City of Omaha  Douglas County  Douglas County Emergency Management Agency  NEMA  FEMA
3 1.4	Installation of mass alert system within the Campus and Hospital to improve reliability of response during a local or national disaster. Requires installation of a communication announcement system.	New	Completion dependent on availability of funding	All	\$5,000,000	University of Nebraska Medical Center  City of Omaha	HMGP	University of Nebraska Medical Center  City of Omaha  Douglas County  Douglas County Emergency Management Agency  NEMA  FEMA