

Appendix B: Planning Process

Appendix B includes the following planning process documents:

1. Notices for public comment period for community survey
2. Invitee list
3. Meeting letters and emails
4. Meeting agendas/presentations
5. Internet postings of meeting dates and notices
6. Meeting sign in sheets
7. STAPLEE worksheets

Dallas County Needs Your Input!

Dallas County is updating the County Hazard Mitigation Plan - a process that takes place only once every five years, and community input is vital to the overall success of the plan.

[Click here](#) to take the Dallas County Hazard Mitigation Plan Community Survey and have your voice be heard on your community's future.

Cunningham, Thomas E

To: Brandon Kenall <brandon.kenall@mercy.net>; Sandra Simmons; Pam Louderbaugh <stephendricks76@yahoo.com> +16 others

Fri 8/26/2022 2:21 PM



Dallas HMP Powerpoint Meeting 2...

8 MB



Dallas County HMP In-kind Time S...

114 KB



2018 Dallas County HMP.pdf

6 MB



3 attachments (14 MB) Save all to OneDrive - Missouri State University Download all

Good afternoon

Thank you to everyone that was able to attend the second Dallas County Hazard Mitigation Plan Update meeting today. I've attached the powerpoint slides for you to review at your convenience. I've also attached a blank timesheet and a copy of the 2018 Dallas County Hazard Mitigation Plan so you can see what was included last time.

Our next meeting is scheduled for September 23rd at 11 am at the same location. I will send out an invitation soon.

Here is the link to the community survey I mentioned. <https://forms.office.com/r/WuX6PNs3iG> If you can get this to as many community members as possible that would be fantastic. Posting on your facebook page always seems to generate a good response. I've seen cities send it out with utility bills and school districts send it home with students. The survey is completely anonymous and should only take a few minutes to complete. It will stay active for a few months.

Finally, if you still haven't completed your questionnaire please do so as soon as possible. Feel free to contact me with any questions.

Thanks and have a great weekend!

Thomas Cunningham

Associate Planner

Southwest Missouri Council of Governments

110 Park Central Square | Springfield, MO 65806

Office: 417-836-6900 | Direct: 417-836-5281



Cunningham, Thomas E



To: Brandon Kenall <brandon.kenall@mercy.net>; Sandra Simmons; Pam Louderbaugh <stephendricks76@yahoo.com> +16 others Tue 11/8/2022 10:10 AM

Good morning everyone

We're still short on responses to the Dallas County HMP **Community Survey**. If you haven't already done so, please share it on your facebook and/or any other social media pages you have. You can also post a link at your city hall, mention it during public meetings, send home a handout with students, etc.

<https://forms.office.com/Pages/ResponsePage.aspx?id=5DDYyk9VYUO65chllz-3f1PVASiUOd5DhMd4Xg-oGKFUM1hFNElySk1UQ09FNUIHTEc3S05PUjZMNIQlQCN0PWcu>

Thomas Cunningham

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| Jurisdiction | Title | First Name | Last name | PO Box | Street Address | City | Zip | Phone | Email |
|---|---|------------|------------|------------|-----------------------|-----------|-------|--------------|--|
| City of Buffalo | Mayor | Brandon | Kenall | | 115 S Maple | Buffalo | 65622 | 417-345-2701 | brandon.kenall@mercy.net |
| City of Buffalo | Fire Chief/Floodplain Administrator/EMD | Greg | Cunningham | PO box 410 | 108 S Benton | Buffalo | 65622 | 417-345-7800 | qwik_rsq@yahoo.com |
| City of Urbana | Mayor | Sandra | Simmons | | 110 North Main Street | Urbana | 65767 | 417-993-4228 | cityurbana@centurytel.net |
| City of Urbana | Floodplain Administrator/Utility Clerk | Dawn | Sutton | PO Box 227 | | Urbana | 65767 | 417-993-4228 | cityurbana@centurytel.net |
| Dallas County | County Clerk | Stephanie | Hendricks | | 102 Cedar Dr. | Buffalo | 65622 | 417-345-2632 | stephendricks76@yahoo.com |
| Dallas County | Deputy Director | April | Garrett | | | | | | agarrett.dallascountym@gmail.com |
| Dallas County 911 | E-911 Director | Duane | Hamilton | | 102 Cedar Dr. | Buffalo | 65622 | 417-345-1999 | dhamilton@dallascomo911.us |
| Dallas County | Emergency Coordinator/ Floodplain Administrator | Terry | Lane | | 615 E. Madison | Buffalo | 65622 | 417-733-0185 | terry@nolongervalid.com |
| Dallas County | | Tara | Swarigan | | | | | | tara@nolongervalid.com |
| Dallas County Health Department | Health Department Administrator | Cheryl | Eversole | | | | | | cheryl.eversole@dallascountyhealth.com |
| Village of Louisburg | City Clerk | Diana | Jones | | 283 MO-64 | Louisburg | 65685 | 417-752-3244 | village.louisburg@gmail.com |
| Dallas County R-1 School District | Superintendent | Timothy | Ryan | | 1323 S Ash St. | Buffalo | 65622 | 417-345-2222 | tim.ryan@bisonpride.org |
| Dallas County R-1 School District | Assistant Superintendent | Buck | Shockley | | | | | | buck.shockley@bisonpride.org |
| Buffalo Rural Fire District | Fire Chief | Bobby | Carver | PO Box 377 | | Buffalo | 65622 | 417-345-7843 | buffaloruralfire@yahoo.com |
| Long Lane Rural Fire Department | Fire Chief | Ed | Caselman | PO Box 37 | | Long lane | 65590 | 417-345-5978 | llvfd@live.com |
| Louisburg Fire District | Fire Chief | Mike | Barclay | PO Box 38 | | Louisburg | 65685 | 417-752-3700 | louisburgfire@aol.com |
| Southern Dallas County Fire Protection District | Fire Department Manager | Dave | Moore | | 322 Redtop Rd | Buffalo | 65622 | 417-345-6060 | info@southerndallasfire.com |
| Urbana Rural Fire Department | Fire Chief | Larry | Senyard | PO Box 202 | | Urbana | 65767 | 417-993-4643 | urfd1200@yahoo.com |
| Urbana Rural Fire Department | | Linda | Senyard | | | | | | lisenyard@gmail.com |
| Windyville Volunteer Fire Department | Fire Chief | Ricky | Gruber | | 346 Benton st. | Buffalo | 65622 | 417-345-7572 | |

Dallas County Hazard Mitigation Plan Update Kickoff Meeting

Cunningham, Thomas E <TCunningham@MissouriState.edu>

Mon 7/11/2022 10:13 AM

To: Brandon Kenall <brandon.kenall@mercy.net>; Greg Cunningham <qwik.rsq@yahoo.com>; Sandra Simmons <cityurbana@centurytel.net>; Pam Louderbaugh <stephendricks76@yahoo.com>; Joseph Bright <dhamilton@dallascomo911.us>; Terry Lane <terry@nolongervalid.com>; Diana Jones <village.louisburg@gmail.com>; Timothy Ryan <tim.ryan@bisonpride.org>; Debby Dryer <debby.dryer@bisonpride.org>; Bobby Carver <buffaloruralfire@yahoo.com>; Ed Caselman <llvfd@live.com>; Mike Barclay <louisburgfire@aol.com>; John Lilburn <cheryl.eversole@dallascountyhealth.com>; Dave Moore <info@southerndallasfire.com>; Larry Seyard <urfd1200@yahoo.com>

Good morning

The State Emergency Management Agency (SEMA) has entered into an agreement with the Southwest Missouri Council of Governments (SMCOG) to assist with the required update to the Dallas County Natural Hazard Mitigation Plan. Federal law requires communities and other local public jurisdictions to have an approved, adopted hazard mitigation plan on file with the Federal Emergency Management Agency (FEMA) to be eligible to apply for and receive Hazard Mitigation Grant Program and other Federal mitigation program assistance.

The hazard mitigation plan must be updated every five years to maintain eligibility for funding. The updated plan developed for Dallas County and its jurisdictions will meet the minimum planning requirements for all FEMA mitigation programs.

Community involvement in the development of the updated hazard mitigation plan for Dallas County is critical to this effort and is a required element of the planning process. Any and all jurisdictions that may consider hazard mitigation projects in the next five years **must** participate in the plan update process to be eligible to apply for FEMA hazard mitigation project assistance grants.

The intent of the mitigation plan is to identify and evaluate the participating jurisdictions' vulnerability to natural disasters and to develop strategies and actions that can eliminate the negative effects of future disasters. Some examples of mitigation actions include the construction of safe rooms, improvements to low water crossings, and flood hazard area buyouts.

A representative from your jurisdiction or organization is invited to attend the kickoff information meeting at the following time/location.

**Municipal Building
119 S Maple Street
Buffalo, MO 65622
Friday, July 29, 2022
11:00 AM**

I will be sending a follow up email to all jurisdictions that includes a questionnaire. This questionnaire will ask a series of questions about the structure of your jurisdiction, previous occurrences of hazard events, what facilities could potentially be affected by hazard events, what plans your jurisdiction has in place to help mitigate the effects of these potential hazards, and more.

Please try to complete the questionnaire and return to me by Friday, July 29th. If you need more time or have any questions about it, don't hesitate to reach out to me. An overview of the questionnaire will be provided at the kickoff meeting, so it is encouraged that representatives bring their questionnaire with them in case they have any questions or would like feedback on their answers.

Dallas County Hazard Mitigation Plan Meeting #2

Cunningham, Thomas E <TCunningham@MissouriState.edu>

Wed 8/10/2022 4:37 PM

To: Brandon Kenall <brandon.kenall@mercy.net>; Sandra Simmons <cityurbana@centurytel.net>; Pam Louderbaugh <stephendricks76@yahoo.com>; Joseph Bright <dhamilton@dallascomo911.us>; Terry Lane <terry@nolongervalid.com>; Diana Jones <village.louisburg@gmail.com>; Timothy Ryan <tim.ryan@bisonpride.org>; Debby Dryer <debby.dryer@bisonpride.org>; Bobby Carver <buffaloruralfire@yahoo.com>; Ed Caselman <llvfd@live.com>; Mike Barclay <louisburgfire@aol.com>; John Lilburn <cheryl.eversole@dallascountyhealth.com>; Dave Moore <info@southerndallasfire.com>; Larry Seyard <urfd1200@yahoo.com>; qwik_rs9@yahoo.com <qwik_rs9@yahoo.com>; buck.shockley@bisonpride.org <buck.shockley@bisonpride.org>

Good afternoon

Our next Dallas County Hazard Mitigation Plan Meeting is scheduled for Friday, August 26, at 11 am. We'll do a short recap of the material covered in meeting 1 and then we'll move on to the risk assessment.

If you have not returned your completed questionnaire to me yet, please do so as soon as possible.

I look forward to seeing everyone there. Thanks!

Dallas County Hazard Mitigation Plan Update Meeting 3

Cunningham, Thomas E <TCunningham@MissouriState.edu>

Fri 9/2/2022 12:02 PM

To: Brandon Kenall <brandon.kenall@mercy.net>; Sandra Simmons <cityurbana@centurytel.net>; Pam Louderbaugh <stephendricks76@yahoo.com>; Joseph Bright <dhamilton@dallascomo911.us>; Terry Lane <terry@nolongervalid.com>; Diana Jones <village.louisburg@gmail.com>; Timothy Ryan <tim.ryan@bisonpride.org>; Debby Dryer <debby.dryer@bisonpride.org>; Bobby Carver <buffaloruralfire@yahoo.com>; Ed Caselman <llvfd@live.com>; Mike Barclay <louisburgfire@aol.com>; John Lilburn <cheryl.eversole@dallascountyhealth.com>; Dave Moore <info@southerndallasfire.com>; Larry Seyard <urfd1200@yahoo.com>; qwik_rs9@yahoo.com <qwik_rs9@yahoo.com>; buck.shockley@bisonpride.org <buck.shockley@bisonpride.org>; llsenyard@gmail.com <llsenyard@gmail.com>; brandonkenall@gmail.com <brandonkenall@gmail.com>; tara@nolongervalid.com <tara@nolongervalid.com>

The next Dallas County Hazard Mitigation Plan Meeting is scheduled for Friday, September 23, at 11 am. We'll do a short recap of the information previously covered then move on to Mitigation Goals and Actions.

If you have not returned your completed questionnaire to me yet, please do so as soon as possible.

I look forward to seeing everyone there. Thanks

Dallas County HMP Update Meeting 4

Cunningham, Thomas E <TCunningham@MissouriState.edu>

Thu 10/6/2022 4:31 PM

To: Brandon Kenall <brandon.kenall@mercy.net>; Sandra Simmons <cityurbana@centurytel.net>; Pam Louderbaugh <stephendricks76@yahoo.com>; Joseph Bright <dhamilton@dallascomo911.us>; Terry Lane <terry@nolongervalid.com>; Diana Jones <village.louisburg@gmail.com>; Timothy Ryan <tim.ryan@bisonpride.org>; Debby Dryer <debby.dryer@bisonpride.org>; Bobby Carver <buffaloruralfire@yahoo.com>; Ed Caselman <llvfd@live.com>; Mike Barclay <louisburgfire@aol.com>; John Lilburn <cheryl.eversole@dallascountyhealth.com>; Dave Moore <info@southerndallasfire.com>; Larry Seyard <urfd1200@yahoo.com>; qwik_rs9@yahoo.com <qwik_rs9@yahoo.com>; buck.shockley@bisonpride.org <buck.shockley@bisonpride.org>; llsenyard@gmail.com <llsenyard@gmail.com>; brandonkenall@gmail.com <brandonkenall@gmail.com>; tara@nolongervalid.com <tara@nolongervalid.com>

The next Dallas County Hazard Mitigation Plan Meeting is scheduled for Friday, October 28, at 11 am.

If you have any questions, please do not hesitate to contact me.

I look forward to seeing everyone there!

Dallas County HMP Update Meeting 5

Cunningham, Thomas E <TCunningham@MissouriState.edu>

Tue 11/1/2022 4:46 PM

To: Brandon Kenall <brandon.kenall@mercy.net>;Sandra Simmons <cityurbana@centurytel.net>;Pam Louderbaugh <stephendricks76@yahoo.com>;Joseph Bright <dhamilton@dallascomo911.us>;Terry Lane <terry@nolongervalid.com>;Diana Jones <village.louisburg@gmail.com>;Timothy Ryan <tim.ryan@bisonpride.org>;Debby Dryer <debby.dryer@bisonpride.org>;Bobby Carver <buffaloruralfire@yahoo.com>;Ed Caselman <llvfd@live.com>;Mike Barclay <louisburgfire@aol.com>;John Lilburn <cheryl.eversole@dallascountyhealth.com>;Dave Moore <info@southerndallasfire.com>;Larry Seyard <urfd1200@yahoo.com>;qwik_rs9@yahoo.com <qwik_rs9@yahoo.com>;buck.shockley@bisonpride.org <buck.shockley@bisonpride.org>;llsenyard@gmail.com <llsenyard@gmail.com>;brandonkenall@gmail.com <brandonkenall@gmail.com>;tara@nolongervalid.com <tara@nolongervalid.com>

The fifth (and final!) Dallas County HMP Update Meeting is scheduled for Friday, December 2nd, at 11 am. This will be an opportunity to discuss your Action and STAPLEE sheets, as well as anything else I can help with. I hope to see everyone there

Dallas County Hazard Mitigation Plan Update Kick-Off Meeting

July 29, 2022

Thomas Cunningham

Associate Planner

Southwest Missouri Council of Governments



Outline

- Introduction to Hazard Mitigation
- The Planning Process
- Participation Requirements
- Future Meeting Dates



What is Hazard Mitigation and why is it important?

- Mitigation – taking action NOW to reduce or eliminate long-term risk to human life and property from hazard events.
 - Examples – FEMA tornado shelters, low water crossing improvements, policies limiting construction in flood plain areas, river bank improvements
- Mitigation Planning – process for communities to...
 - Identify hazards to which they are at risk
 - Assess the potential impact
 - Develop goals, objectives, and actions to reduce impacts; and
 - Prioritize and implement mitigation actions

Low Water Crossing Replacement

Before Mitigation



After Mitigation



Flood Buyouts

Before Mitigation



After Mitigation



What is Hazard Mitigation and why is it important?

- Costs rising from natural disasters
 - Increased development – more exposure
 - Increased cost to the federal government
 - Increased frequency of natural disasters:
 - 1980s – 286
 - 1990s – 737
 - 2000s – 1,265
 - 2010-Present – 1,140

What is Hazard Mitigation and why is it important?

- Reduction in loss of lives
- Reduction in property damage
- Reduction in lost essential services
- Reduction in loss of critical facilities and infrastructure
- Reduction in economic disruption
- Planning for an emergency saves lives, time, and money!



The Disaster Mitigation Act of 2000

- Required by law for local governments to develop a hazard mitigation plan in order to receive funding for mitigation projects.
 - Funds available – 75/25
 - **Hazard Mitigation Grant Program (HMGP)** - Assists in implementing long-term hazard mitigation planning and projects following a presidential major disaster declaration.
 - **Pre-Disaster Mitigation (PDM)** – provides funds annually for hazard mitigation planning and projects.
 - **Building Resilient Infrastructure & Communities (BRIC)** – Support for states, local communities, tribes, and territories as they undertake hazard mitigation projects, reducing the risks they face from disasters and natural hazards.
 - **Flood Mitigation Assistance (FMA)** – provides funds for planning and projects to reduce or eliminate risk of flood damage to buildings that are insured annually under the National Flood Insurance Program.
- Mitigation plans must be updated every five years to be eligible for mitigation funding

The Planning Process



9 Tasks in the Planning Process

- Task 1: Determine the Planning Area and Resources → Completed
- Task 2: Build the Planning Team → YOU ARE THE TEAM!
- Task 3: Create an Outreach Strategy → Today
- Task 4: Review Community Capabilities → Questionnaire
- Task 5: Conduct a Risk Assessment → Meeting #2
- Task 6: Develop a Mitigation Strategy → Meetings #3 and #4
- Task 7: Review and Adopt the Plan → Meeting #5 and on your own
- Task 8: Keep the Plan Current → That's YOU!
- Task 9: Create a Safe and Resilient Community → That's YOU!



Planning Committee

- As part of the Mitigation Planning Committee, you will:
 - Help develop the plan
 - Identify mitigation goals
 - Identify mitigation actions
 - Review the draft plan



Outreach Strategy

- Public Meetings
- Survey
 - Where do you live?
 - What school district?
 - Have you been impacted by a disaster?
 - Opinion on the likelihood of a disaster
 - Concern of disaster impact
 - Types of mitigation projects they support

Risk Assessment

Natural Hazards

- Dam Failure
- Drought
- Earthquake
- Extreme Temperatures
- Flooding
- Land Subsidence (Sinkholes)
- Severe Thunderstorms
- Severe Winter Weather
- Tornado
- Wildfire

Hazard Profile

- Hazard Description
- Geographic Location
- Severity/Magnitude/Extent
- Previous Occurrences
- Probability of Future Occurrences

Vulnerability Assessment

- Vulnerability Overview
- Potential Losses to Existing Development
- Impact of Previous and Future Development
- Hazard Summary by Jurisdiction

Problem Statement



Develop Mitigation Strategies

- Reference completed questionnaires
- Risk Assessment
- Current needs of community
- Identify strengths and weaknesses



Review and Prioritize Mitigation Actions

- STAPLEE score
 - Social
 - Technical
 - Administrative
 - Political
 - Legal
 - Economic Environmental
- Prioritizes and determines feasibility



| STAPLEE Worksheet | | |
|--|--|------------------------------|
| Name of Jurisdiction: | | |
| Action or Project | | |
| Action/Project Number: | Insert a unique action number for this action for future tracking purposes. This can be a combination of the jurisdiction name, followed by the goal number and action number (i.e. Joplin1.1) | |
| Name of Action or Project: | | |
| Mitigation Category: | Prevention; Structure and Infrastructure Projects; Natural Systems Protection; Education and Outreach; Emergency Services | |
| STAPLEE Criteria | Evaluation Rating | Score |
| | Definitely YES = 3 2 Probably NO = 1 NO = 0 | Maybe YES = Definitely |
| S: Is it S ocially Acceptable | | |
| T: Is it T echnically feasible and potentially successful? | | |
| A: Does the jurisdiction have the A dministrative capacity to execute this action? | | |
| P: Is it P olitically acceptable? | | |
| L: Is there L egal authority to implement? | | |
| E: Is it E conomically beneficial? | | |
| E: Will the project have either a neutral or positive impact on the natural E nvironment? | | |
| Will historic structures be saved or protected? | | |
| Could it be implemented quickly? | | |
| STAPLEE SCORE | | |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | |
| MITIGATION EFFECTIVENESS SCORE | | |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | |
| High Priority (30+ points) | Medium Priority (25 - 29 points) | Low Priority (<25 points) |

Completed by _____
(Name, Title, Phone Number)

Adoption of Hazard Mitigation Plan

- Each participating jurisdiction is required to adopt hazard plan
 - Signed by a certified official
- Mail, email, or fax will be acceptable



Barry County, Missouri
Resolution # 91516

ADOPTING THE BARRY COUNTY MULTI-JURISDICTIONAL NATURAL HAZARD MITIGATION PLAN (UPDATED 2016)

Whereas, The Barry County Commission recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

Whereas, the U.S. Congress passed the Disaster Mitigation Act of 2000 ("Disaster Mitigation Act") emphasizing the need for pre-disaster mitigation of potential hazards;

Whereas, the Disaster Mitigation Act made available hazard mitigation grants to state and local governments; and

Whereas, an adopted Local Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

Whereas, Barry County fully participated in the hazard mitigation planning process to prepare this Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, the Missouri State Emergency Management Agency and the Federal Emergency Management Agency Region VII officials will review the "Barry County Multi-Jurisdictional Local Hazard Mitigation Plan," and approved it as to form and content; and

Whereas, the Barry County Commission desires to comply with the requirements of the Disaster Mitigation Act and to augment its emergency planning efforts by formally adopting the Barry County Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, adoption by the governing body of Barry County demonstrates the jurisdictions' commitment to fulfilling the mitigation goals outlined in this Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, adoption of this legitimizes the plan and authorizes responsible agencies to carry out responsibilities under the plan;

Now, therefore, be it resolved, that the Barry County Commission has adopted the "Barry County Multi-Jurisdictional Local Hazard Mitigation Plan" as an official plan.

Date: 9-15-16

Certifying Official: Cheryl Warner

Keep the Plan Current & Create a Safe Community

- FEMA requires a formal plan maintenance process to ensure that the mitigation plan remains an active and relevant document
- Your jurisdiction and County Emergency Management Officials
- Review plan and strategies annually

Participation Requirements



2018 Participation

- Dallas County
- City of Buffalo
- Village of Louisburg
- Dallas County R-I School District
- Urbana Rural Volunteer Fire Department



Participation Requirements

- In order to officially “participate” a jurisdiction must:
 - Complete all required documents (Capabilities Assessment Questionnaire, STAPLEE Sheets, and Action Sheets)
 - A representative must be in attendance at a minimum of two meetings
 - Record in-kind time and complete timesheets
 - Adopt the Hazard Mitigation Plan
- Participation of your jurisdictions gives you access to grant funds provided by FEMA



Mitigation Plan Funding

- SEMA covers 75% of the cost
- Grants require a 25% non-federal match
 - Local cash match
 - In-kind time and effort



Time Sheets

- Fill out accurately
- Keep track of hours and mileage
 - Round up
- Elected officials MAY NOT count their time



IN-KIND DOCUMENTATION
Barry County Multi-Jurisdictional Hazard Mitigation Plan 2016

Reporting Month:

LABOR

| Date | Service Performed | Hours | Mileage (Roundtrip) |
|--------------|-------------------|-------|---------------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Total | | 0 | 0 |

Organization:

Employee Name:

Employee Title:

Hourly Rate: Total Labor Charge: Total Mileage Charge:

Comments: _____

Employee Signature

Supervisor Signature

Thank you for your time!

Any questions?



Contact Information

Thomas Cunningham

Associate Planner

417-836-5281

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For more information, visit our website

www.smcog.org

Dallas County Hazard Mitigation Plan Update Meeting #2

August 25, 2022

Thomas Cunningham

Associate Planner

Southwest Missouri Council of Governments



Outline

- Participation overview
- Process recap
- Risk assessment
- Mitigation strategies preview



Local Plan Participation

- Attend a minimum of 2 Mitigation Planning Committee meetings
- Documentation of Time and Effort
- Complete Capabilities Survey Questionnaire
- Complete Mitigation Actions and STAPLEE Sheets
- Adoption of the Hazard Mitigation Plan – can be before or after SEMA/FEMA approval



Time & Effort Reporting

- Hourly rate for volunteer time in Missouri:
 - \$27.21
- Federal mileage rate:
 - 58¢ per mile



Risk Assessment

- Measures potential loss of life, personal injury, economic injury, and property damage resulting from natural hazard events by assessing the vulnerability of people, buildings, and infrastructure to natural hazards
- Evaluates the degree to which injuries and damages may occur
- Provides the foundation for the rest of the mitigation planning process



Hazards Identified

- Flooding
- Dam Failure
- Earthquake
- Land Subsidence/Sinkholes
- Drought
- Extreme Temperature
- Severe Thunderstorm/High Winds/Lightning/Hail
- Severe Winter Weather
- Tornado
- Wildfire

Vulnerability

- Which hazards is your jurisdiction most at risk?
- What facilities and/or areas are most at risk to those hazards?
- What existing mechanism are in place to help mitigate negative consequences?

Hazard Identification and Vulnerability

- Code of Federal Regulations Title 44 Emergency Management and Assistance Part §201.6
 - (c) Plan content. The plan shall include the following:
 - (i) A description of the type, location, and extent of all natural hazards that can affect the jurisdiction
 - The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events
 - (ii) A description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i) of this section; This description shall include an overall summary of each hazard and its impact on the community

Dallas County Disaster Declarations 2000-Present (20)

| Disaster Number | Description | Declaration Date |
|-----------------|---|------------------|
| 1412 | Severe storms, tornadoes, and flooding | 2002 |
| 1463 | Severe storms, tornadoes, and flooding | 2003 |
| 3232 | Hurricane Katrina evacuation | 2005 |
| 1728 | Severe storms and flooding | 2007 |
| 3281 | Severe winter storms | 2007 |
| 1676 | Severe winter storms and flooding | 2007 |
| 1749 | Severe storms and flooding | 2008 |
| 1742 | Severe storms, tornadoes, and flooding | 2008 |
| 1847 | Severe storms, tornadoes, and flooding | 2009 |
| 3303 | Severe winter storm | 2009 |
| 1961 | Severe winter storm | 2011 |
| 4144 | Severe winter storm and snowstorm | 2011 |
| 4238 | Severe storms, straight-line winds, and flooding | 2013 |
| 3374 | Severe storms, tornadoes, straight-line winds, and flooding | 2015 |
| 4250 | Severe storms, tornadoes, straight-line winds, and flooding | 2016 |
| 4317 | Severe storms, tornadoes, straight-line winds, and flooding | 2017 |
| 4451 | Severe storms, tornadoes, and flooding | 2019 |
| 3482 | COVID-19 | 2020 |
| 4490 | COVID-19 pandemic | 2020 |
| 4552 | Severe storms, tornadoes, straight-line winds, and flooding | 2020 |



National Centers for Environmental Information

<https://www.ncdc.noaa.gov/stormevents/>



Storm Events Database

Data Access

- [Search](#)
- [Bulk Data Download \(CSV\)](#)
- [Storm Data Publication](#)

Documentation

- [Database Details](#)
- [Version History](#)
- [Storm Data FAQ](#)
- [NOAA's NWS Documentation](#)
- [Tornado EF Scale](#)

External Resources

- [NOAA's SPC Reports](#)
- [NOAA's SPC WCM Page](#)
- [NOAA's NWS Damage](#)
- [Assessment Toolkit](#)
- [NOAA's Tsunami Database](#)
- [ESRI/FEMA Civil Air Patrol Images](#)
- [SHELDUS](#)
- [USDA Cause of Loss Data](#)

Storm Events Database

Data available from 01/1950 to 05/2022.

Select the year 'Any' to search across all years in the database for the selected day and month range.

State/Area:

Begin Date: / /

End Date: / /

County:

- All --
- Adair
- Andrew
- Atchison
- Audrain
- Barry
- Barton
- Bates
- Benton
- Bollinger

Event Type(s):

- All Events --
- Astronomical Low Tide
- Avalanche
- Blizzard
- Coastal Flood
- Cold/Wind Chill
- Debris Flow
- Dense Fog
- Dense Smoke
- Drought
- Dust Devil
- Dust Storm
- Excessive Heat
- Extreme Cold/Wind Chill
- Flash Flood
- Flood

More information on Counties, Zones and Event Types...

Storm Data are geographically categorized by County or by NWS Forecast Zone. Smaller (areal coverage) are collected by county (Tornado, Thunderstorm Winds, Flash Floods and Hail) while larger scale events are collected by forecast zone (Heat, Cold, Drought, Flood, Tropical & Winter Weather).

Each event type listed below are also listed with their collection type (County or Zone). All searches are by county. For zone-based events, all zones intersecting or within a selected county will be returned from a search.

The county selection list is built from the events recorded in the Storm Events Database. An unlisted county means that no records are present.

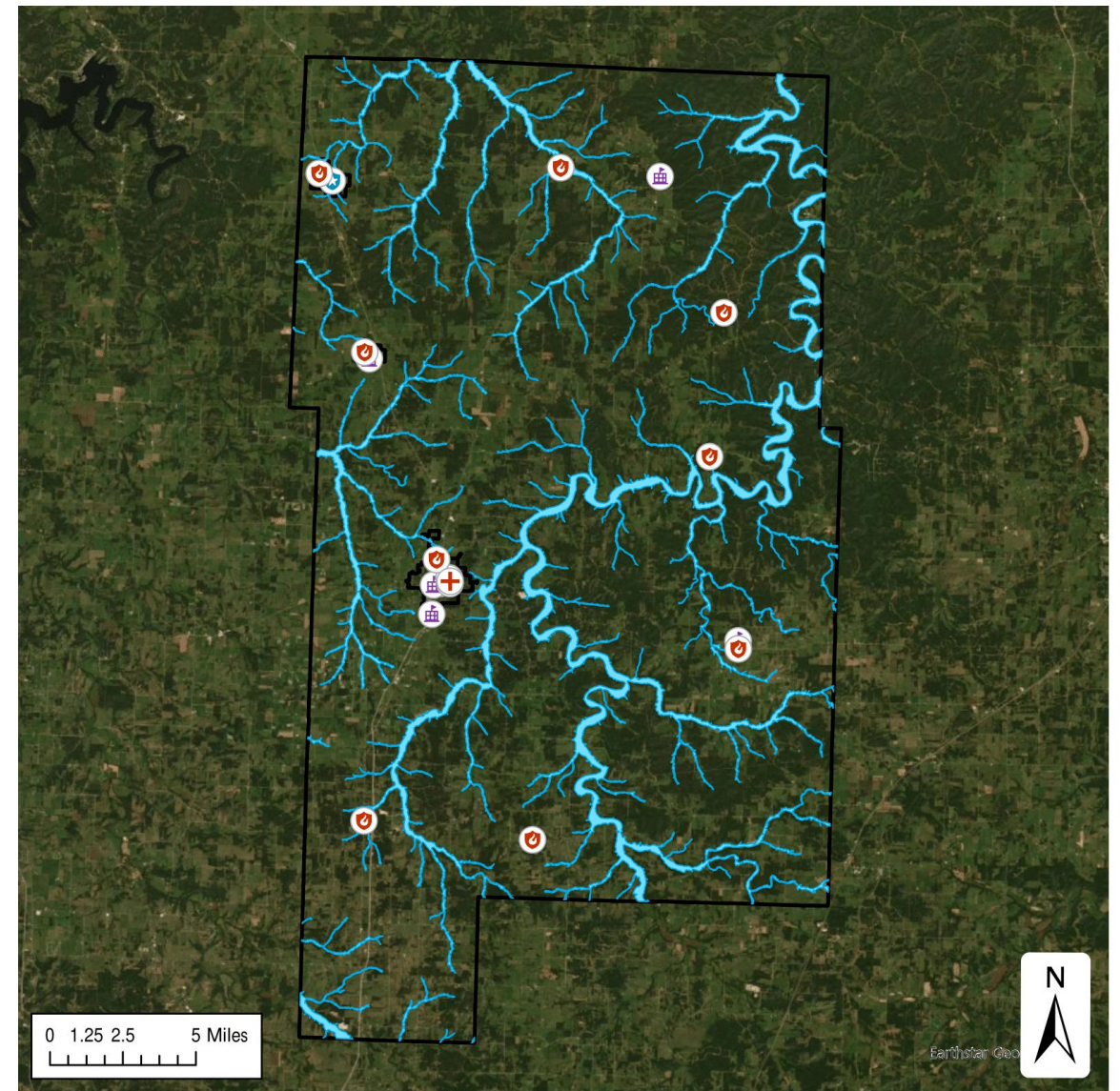
Identified Hazard: Flood and Flash Flood

- **Flood**

- 26 occurrences from 2001-2020
- \$1,905,000 in property damages

- **Flash Flood**

- 76 occurrences of flash flood from 2001-2020
- \$996,000 in property damage



Identified Hazard: Flood and Flash Flood

- Flash Flood events (2001-2020)

| Year | # of Events | # of Deaths | # of Injuries | Property Damages | Crop Damages |
|--------------|-------------|-------------|---------------|------------------|--------------|
| 2001 | 0 | 0 | 0 | \$0 | \$0 |
| 2002 | 1 | 0 | 0 | \$0 | \$0 |
| 2003 | 1 | 0 | 0 | \$0 | \$0 |
| 2004 | 1 | 0 | 0 | \$0 | \$0 |
| 2005 | 3 | 0 | 0 | \$0 | \$0 |
| 2006 | 2 | 0 | 0 | \$0 | \$0 |
| 2007 | 4 | 0 | 0 | \$50,000 | \$0 |
| 2008 | 16 | 0 | 0 | \$1,000 | \$0 |
| 2009 | 7 | 0 | 0 | \$5,000 | \$0 |
| 2010 | 4 | 0 | 0 | \$0 | \$0 |
| 2011 | 0 | 0 | 0 | \$0 | \$0 |
| 2012 | 0 | 0 | 0 | \$0 | \$0 |
| 2013 | 6 | 0 | 0 | \$275,000 | \$0 |
| 2014 | 0 | 0 | 0 | \$0 | \$0 |
| 2015 | 14 | 1 | 0 | \$525,000 | \$0 |
| 2016 | 5 | 0 | 0 | \$10,000 | \$0 |
| 2017 | 2 | 0 | 0 | \$100,000 | \$0 |
| 2018 | 1 | 1 | 0 | \$30,000 | \$0 |
| 2019 | 1 | 0 | 0 | \$0 | \$0 |
| 2020 | 8 | 0 | 0 | \$0 | \$0 |
| Total | 76 | 2 | 0 | \$996,000 | \$0 |



Identified Hazard: Flood and Flash Flood

- **Riverine Flood events (2001-2020)**

| Year | # of Events | # of Deaths | # of Injuries | Property Damages | Crop Damages |
|--------------|-------------|-------------|---------------|--------------------|--------------|
| 2001 | 0 | 0 | 0 | \$0 | \$0 |
| 2002 | 2 | 0 | 0 | \$3,520,000 | \$0 |
| 2003 | 0 | 0 | 0 | \$0 | \$0 |
| 2004 | 0 | 0 | 0 | \$0 | \$0 |
| 2005 | 2 | 0 | 0 | \$0 | \$0 |
| 2006 | 0 | 0 | 0 | \$0 | \$0 |
| 2007 | 1 | 0 | 0 | \$0 | \$0 |
| 2008 | 2 | 0 | 0 | \$0 | \$0 |
| 2009 | 0 | 0 | 0 | \$0 | \$0 |
| 2010 | 9 | 0 | 0 | \$0 | \$0 |
| 2011 | 5 | 0 | 0 | \$0 | \$0 |
| 2012 | 0 | 0 | 0 | \$0 | \$0 |
| 2013 | 1 | 0 | 0 | \$130,000 | \$0 |
| 2014 | 0 | 0 | 0 | \$0 | \$0 |
| 2015 | 1 | 0 | 0 | \$0 | \$0 |
| 2016 | 3 | 0 | 0 | \$20,000 | \$0 |
| 2017 | 3 | 0 | 0 | \$0 | \$0 |
| 2018 | 4 | 0 | 0 | \$0 | \$0 |
| 2019 | 2 | 0 | 0 | \$0 | \$0 |
| 2020 | 1 | 0 | 0 | \$0 | \$0 |
| Total | 36 | 0 | 0 | \$3,670,000 | \$0 |



Identified Hazard: Dam Failure

| MDNR Dam Hazard Classification Definitions | |
|--|--|
| Hazard Class | Definition |
| Class I | The area downstream from the dam that would be affected by inundation contains ten (10) or more permanent dwellings or any public building. Inspection of these dams must occur every two years |
| Class II | The area downstream from the dam that would be affected by inundation contains one to nine permanent dwelling, or one (1) or more campgrounds with permanent water, sewer and electrical services or one (1) or more industrial buildings. Inspection of these dams must occur once every three years. |
| Class III | The area downstream from the dam that would be affected by inundation does not contain any of the structures identified for Class I or Class II dams. Inspection of these dams must occur once every five years |

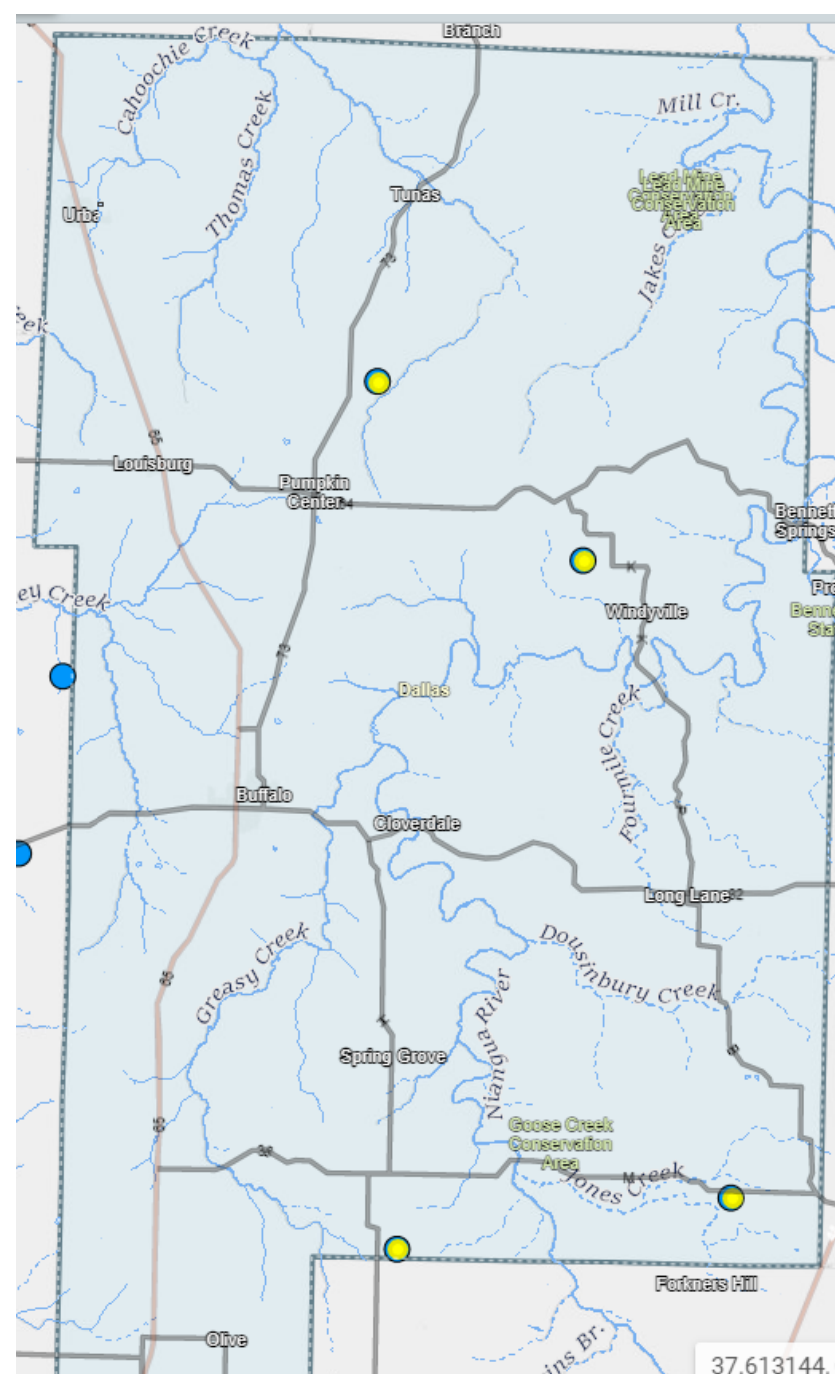
| National Inventory of Dams Hazard Classification Definitions | |
|--|--|
| Hazard Class | Definition |
| Low Hazard | Failure results in only minimal property damage. |
| Significant Hazard | Failure could possibly result in the loss of life and appreciable property damage. |
| High Hazard | If the dam were to fail, lives would be lost and extensive property damage could result. |



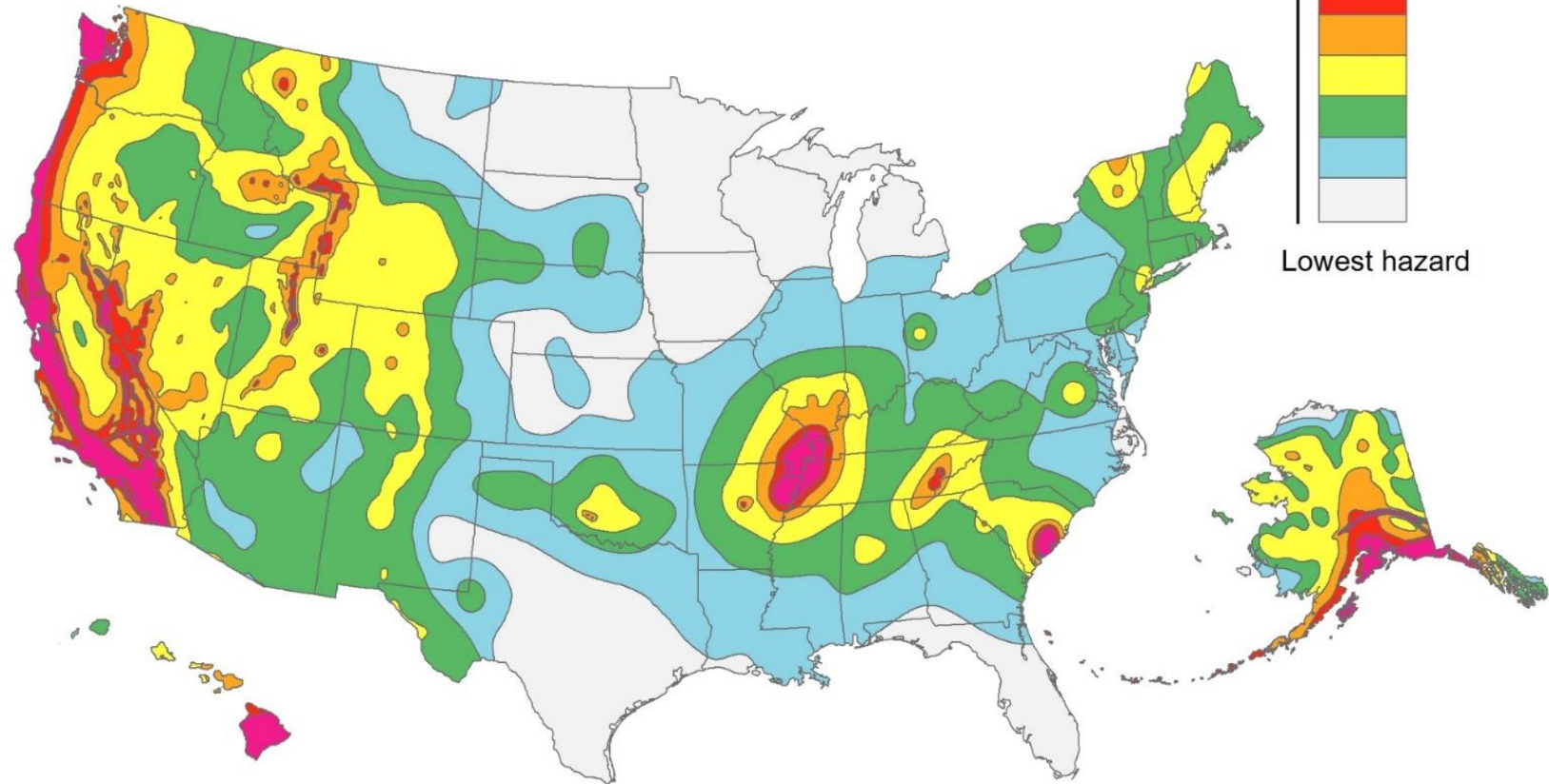
There is not a direct correlation between the State Hazard classification and the NID classifications. However, most dams that are in the State's Classes I and II are considered NID High Hazard Dams.

Identified Hazard: Dam Failure

- 4 NID (National Inventory of Dams) dams in Dallas County
 - 1 high hazard, 3 low hazard
- According to the 2018 State HMP, there are 0 accounts of previous dam failure
- Any local known risks of dam failure?

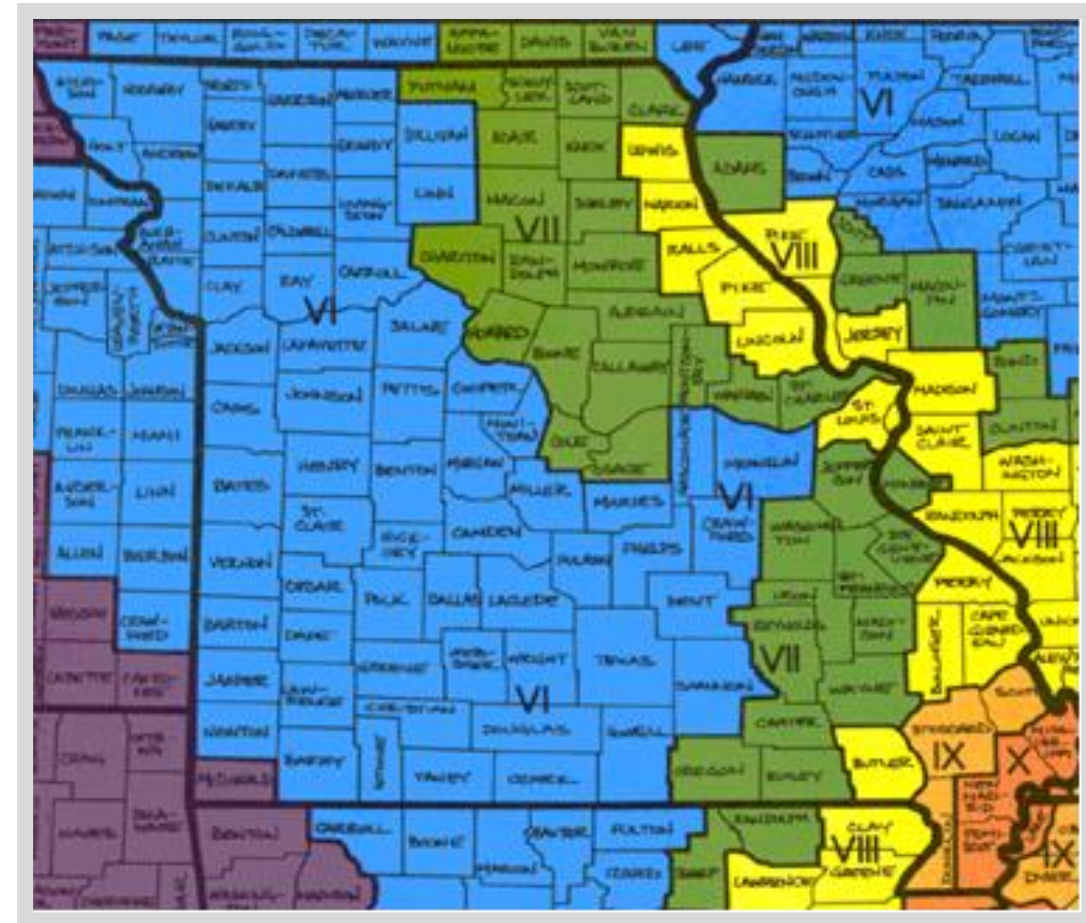


Identified Hazard: Earthquake



Identified Hazard: Earthquake

- Modified Mercalli Scale Based on a 7.6 Magnitude Earthquake along the New Madrid Fault
- Located in Zone VI
 - Felt by everyone, trouble walking, furniture can be overturned, pictures fall off walls and objects off shelves; damage slight
- No previous records of earthquakes in Stone County
- Any experience feeling earthquakes?



Identified Hazard: Land Subsidence/ Sinkholes

- 18 known sinkholes and 44 underground mines
 - 2018 State Plan
- Common in Missouri, rarely significant
- Any other known sinkholes?

Identified Hazard: Drought

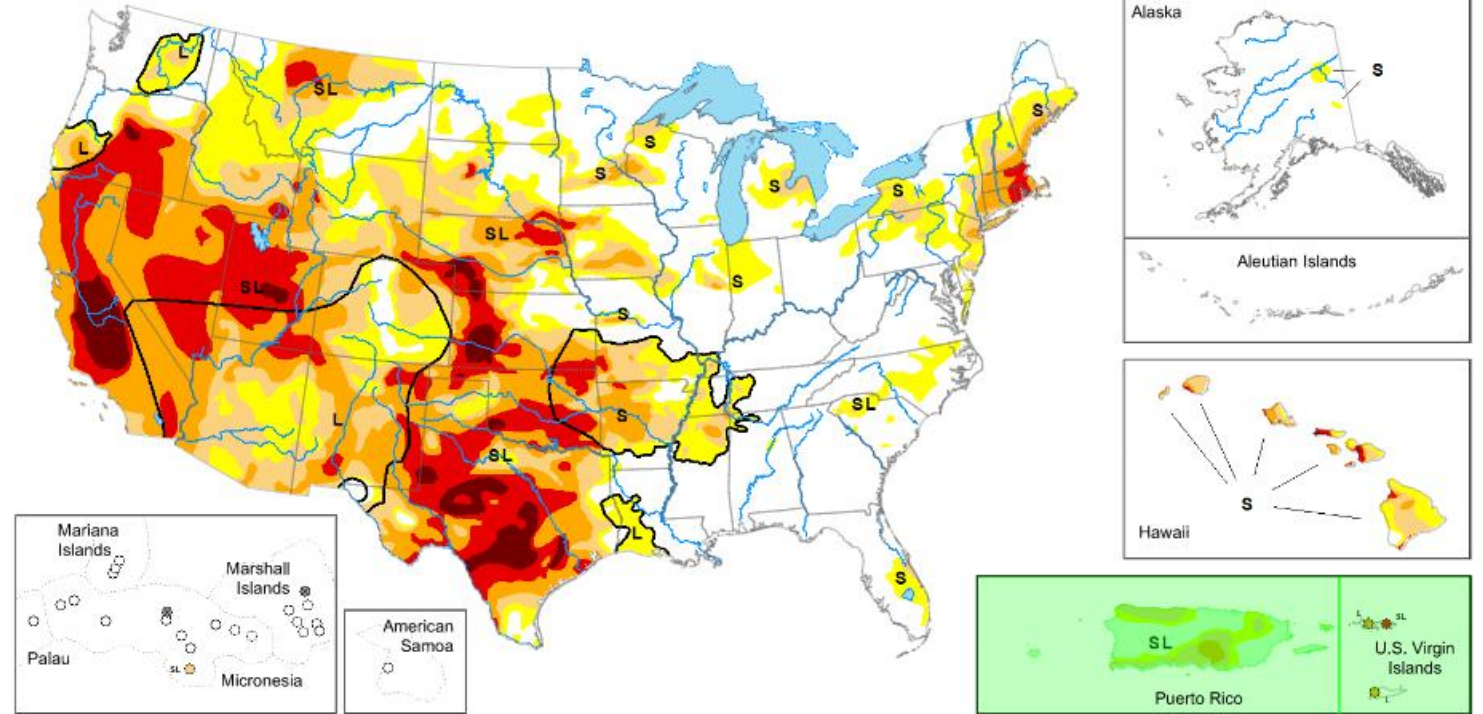
- **Meteorological Drought:** Regionally based; in the United States, indicated by less than 2.5 mm of rainfall in 48 hours, which is the first indication of drought
- **Agricultural Drought:** Soil moisture cannot meet the demands of a crop; after a meteorological drought but before a hydrological drought
- **Hydrological Drought:** Reduction in surface and subsurface water supplies; measured through stream flow and lake, reservoir, and ground water levels
- **Socioeconomic Drought:** Water shortages affect people, either in terms of water supply or economic impacts (i.e. loss of crops so price increases)

Drought: Previous Occurrences

- 11 events from 2001-2020 (NCEI data)
 - Jan to April 2006
 - July 2012 to January 2013
 - August 2012 saw \$8.68 million in crop damages

Map released: August 25, 2022

Data valid: August 23, 2022



Intensity and Impacts



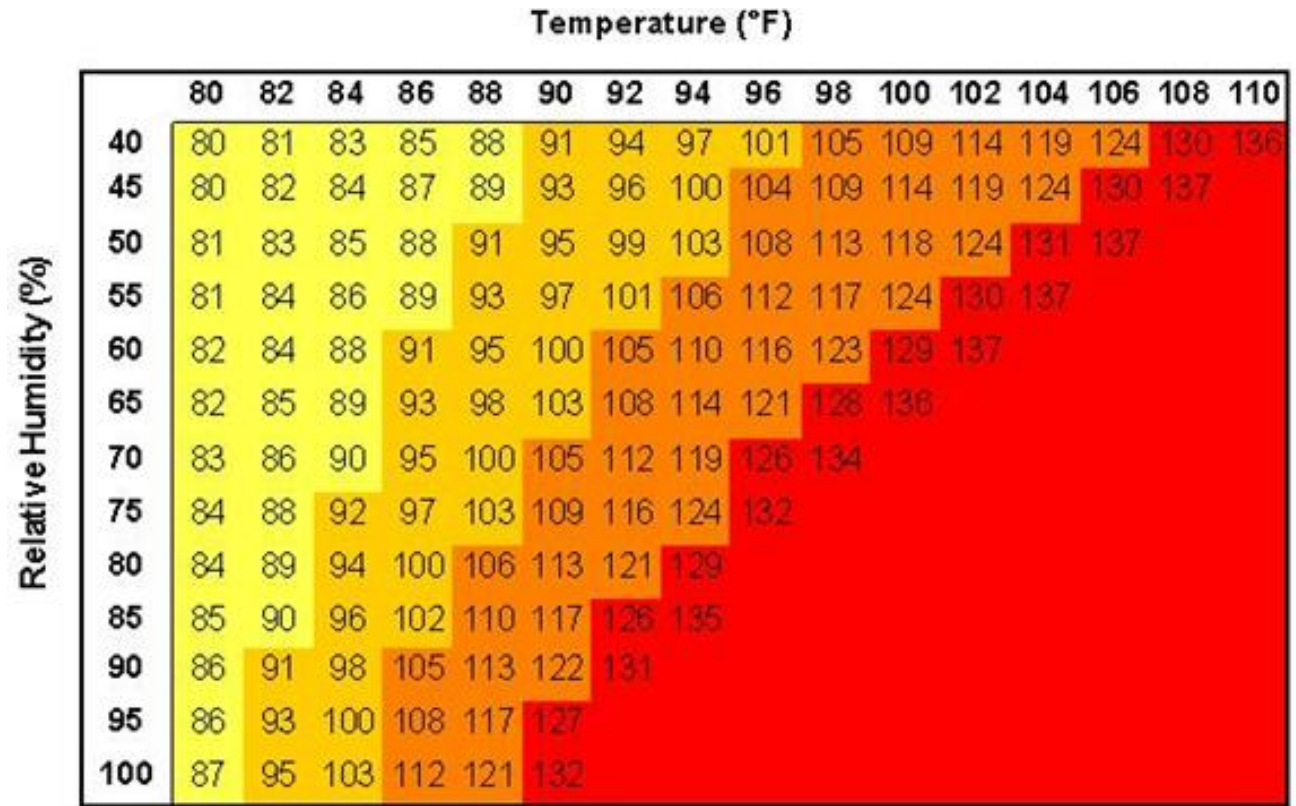
~ - Delineates dominant impacts
 S - Short-term impacts, typically less than 6 months (agriculture, grasslands)
 L - Long-term impacts, typically greater than 6 months (hydrology, ecology)
 SL - Short- and long-term impacts



Source: <https://droughtmonitor.unl.edu/>

Identified Hazard: Extreme Temperatures

- Can be extreme heat or extreme cold
- Extreme Cold
 - 1 event (2001)
- Extreme Heat
 - 5 events
 - 2 in 2001, 3 in 2012



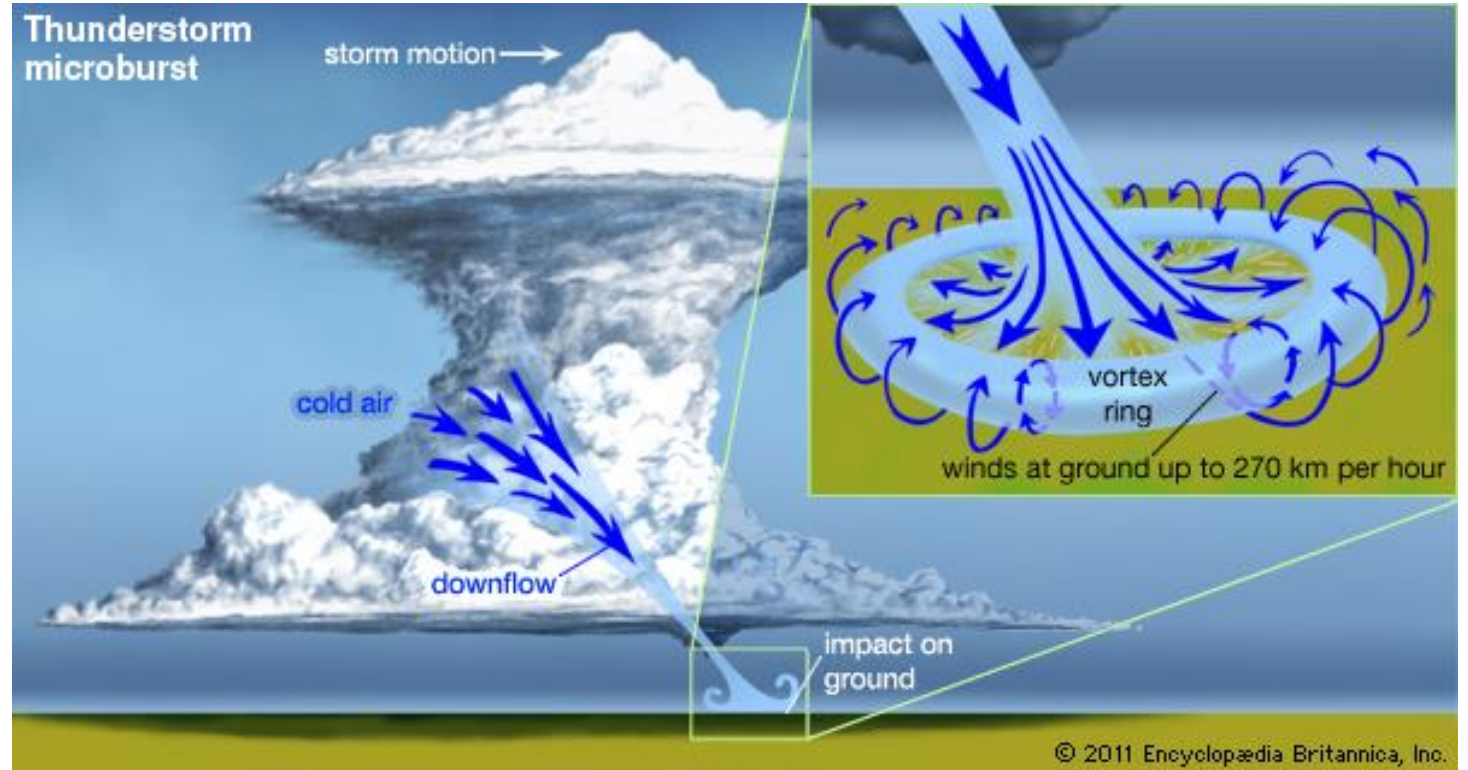
Likelihood of Heat Disorders with Prolonged Exposure or Strenuous Activity

■ Caution
 ■ Extreme Caution
 ■ Danger
 ■ Extreme Danger

Identified Hazard: Severe Thunderstorm/ High Winds/ Lightning/ Hail

High Winds

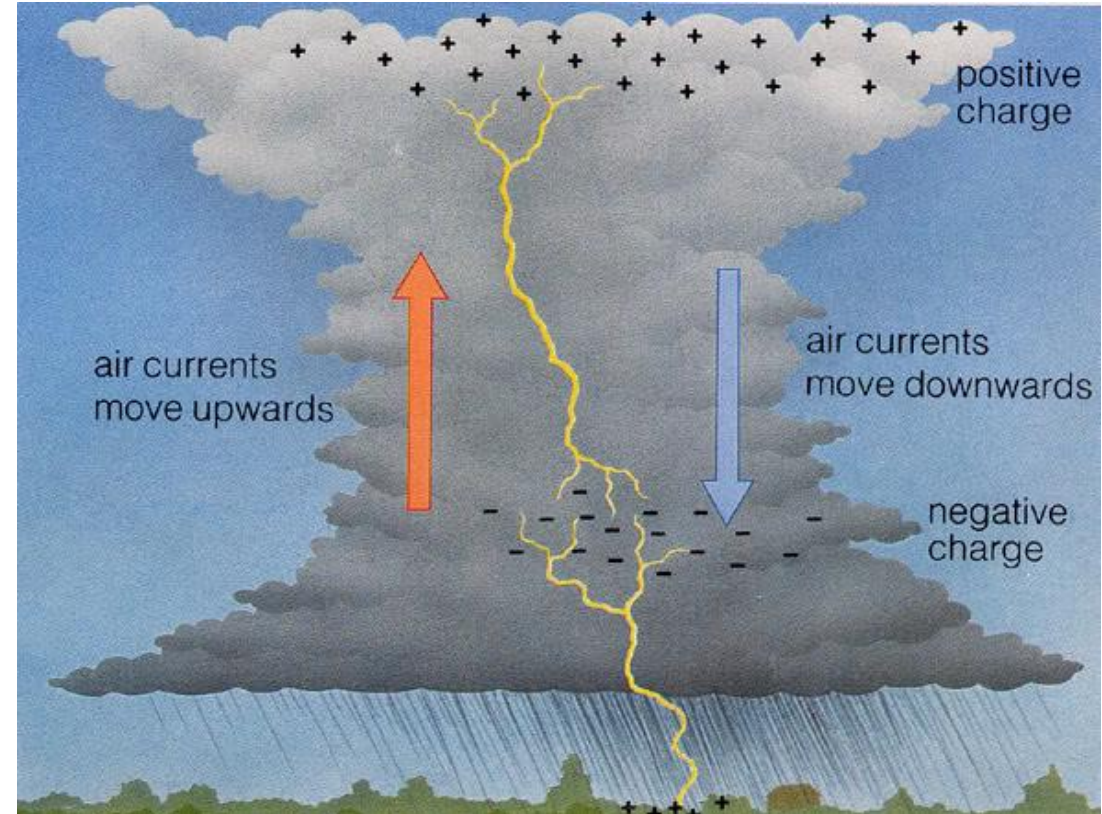
- Straight Line Wind, Microburst: Can exceed 100 mph



Identified Hazard: Severe Thunderstorm/ High Winds/ Lightning/ Hail

Lightning

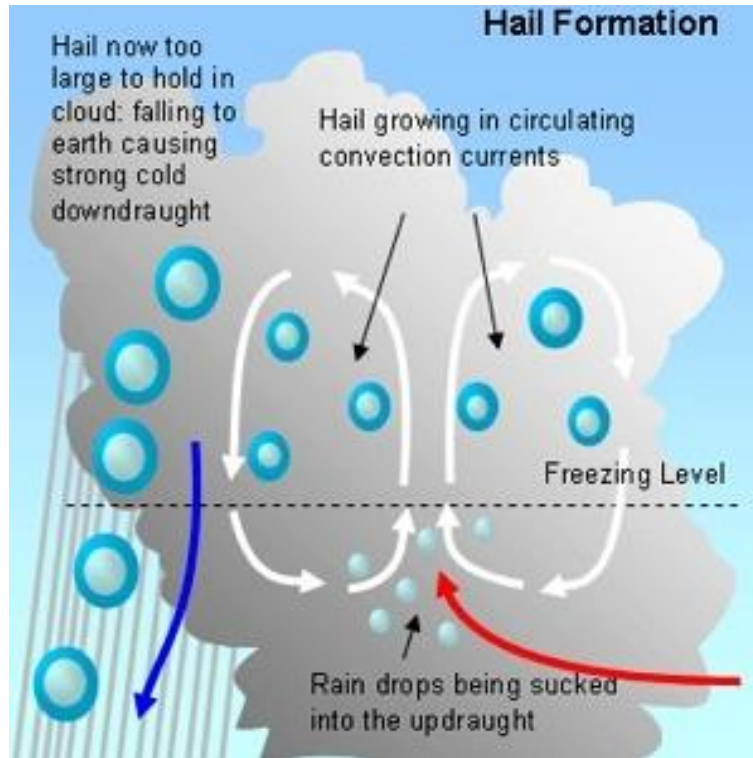
- Resulting in fires and power outages



Identified Hazard: Severe Thunderstorm/ High Winds/ Lightning/ Hail

Hail

- Hail can reach the size of grapefruit

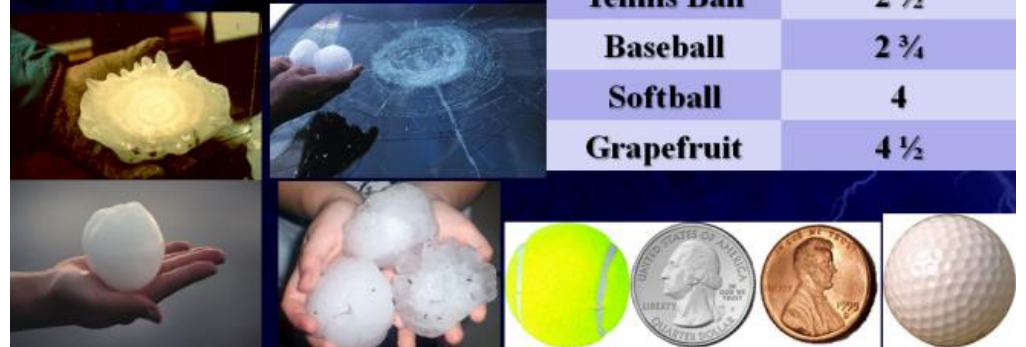


How do I measure hail?

- * Measure at its widest point
- * Estimate size to common objects

NO MARBLES!

| Description | Hail Size (in.) |
|----------------|-----------------|
| Pea | ¼ |
| Penny | ¾ |
| Quarter | 1 |
| Half-Dollar | 1 ¼ |
| Ping Pong Ball | 1 ½ |
| Golfball | 1 ¾ |
| Tennis Ball | 2 ½ |
| Baseball | 2 ¾ |
| Softball | 4 |
| Grapefruit | 4 ½ |



Identified Hazard: Severe Thunderstorm/High Winds/Lightning/Hail

- **High Wind**

- 3 reported events

- **Thunderstorm Wind**

- 96 total events
 - 0 deaths, 1 injury, \$3.73 million in property damage

Identified Hazard: Severe Thunderstorm/ High Winds/ Lightning/ Hail

- **Lightning**
 - 2 reported occurrences from 2001-2020
 - \$14 injuries, \$2,000 in property damages



Identified Hazard: Severe Thunderstorm/ High Winds/ Lightning/ Hail

- **Hail**

- 100 reported events from 2001-2020 causing \$110,000 in property damages

Identified Hazard: Severe Winter Weather

- A Winter Storm is a winter weather event containing a mixture of snow, cold, wind, sleet and freezing rain; it can cause driving to be dangerous and can cause power outages.
 - **Heavy Snow:** Large amount of just snowing falling over a period of time; Large amounts of snow can cause travel to become dangerous and the sheer weight of the snow can cause roofs and structures to collapse.
 - **Ice Storm-Freezing Rain:** Freezing rain falls onto a surface with a temperature below freezing; heavy accumulations of ice can bring down trees, electric power lines and poles, telephone lines and communications towers.
 - **Blizzard:** Winds of 35 miles per hour or more with snow and blowing snow reducing visibility to less than $\frac{1}{4}$ mile for at least three hours.
 - **Severe Cold:** A period of extremely low temperatures or wind chill temperatures reaching or exceeding locally/regionally defined warning criteria, on a widespread or localized basis.

Identified Hazard: Severe Winter Weather

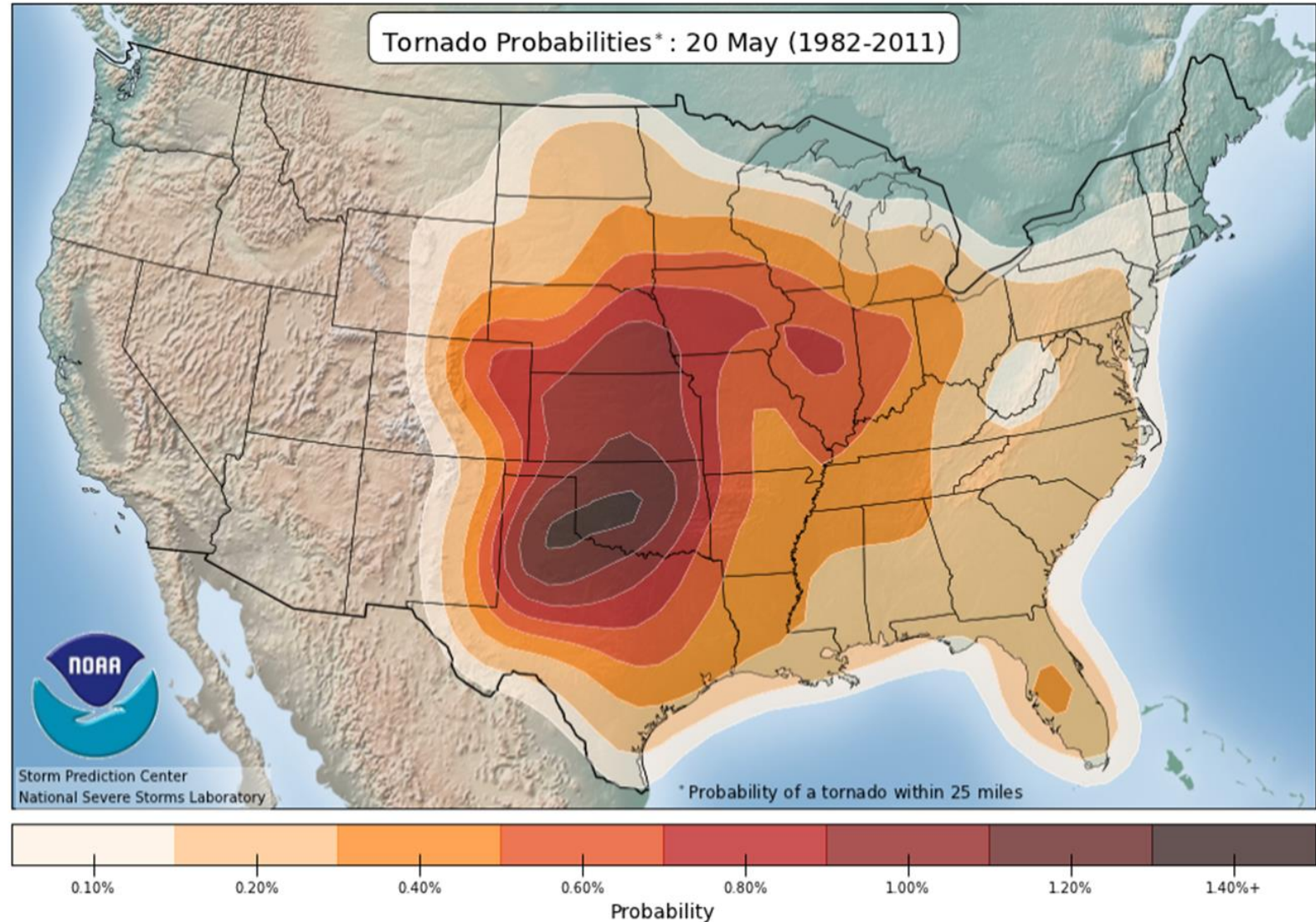
Previous events 2001-2020

- Blizzard: 1 occurrence (2011)
- Extreme Cold/Wind Chill: 1 occurrence (2001)
- Heavy Snow: 2 occurrences (2003, 2008)
- Ice Storm: 7 occurrences (2001, 2001, 2007, 2008, 2017)
 - \$100,000,000 in property damages
- Sleet: No occurrences
- Winter Storm: 16 occurrences (2002-2004, 2006, 2007, 2009, 2010, 2013-2015)
 - \$25,000 in property damage in 2006
- Winter Weather: 1 occurrences

28 total events



Identified Hazard: Tornado



Identified Hazard: Tornado

| Fujita and Enhanced Fujita Tornado Damage Scale | | | | | |
|---|------------------------|---------------------|----------------------|---------------------|--|
| FUJITA SCALE | | | OPERATIONAL EF SCALE | | Typical Damage |
| F Number | Fastest 1/4-mile (mph) | 3 Second Gust (mph) | EF Number | 3 Second Gust (mph) | |
| 0 | 40-72 | 45-78 | 0 | 65-85 | Light damage - Some damage to chimneys; branches broken off trees; shallow-rooted trees pushed over; sign boards damaged. |
| 1 | 73-112 | 79-117 | 1 | 86-110 | Moderate damage - Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos blown off roads. |
| 2 | 113-157 | 118-161 | 2 | 111-135 | Considerable damage - Roofs torn off frame houses; mobile homes demolished; boxcars overturned; large trees snapped or uprooted; light-object missiles generated; cars lifted off ground. |
| 3 | 158-207 | 162-209 | 3 | 136-165 | Severe damage - Roofs and some walls torn off well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off the ground and thrown. |
| 4 | 208-260 | 210-261 | 4 | 166-200 | Devastating damage - Well-constructed houses leveled; structures with weak foundations blown away some distance; cars thrown and large missiles generated. |
| 5 | 261-318 | 262-317 | 5 | Over 200 | Incredible damage - Strong frame houses leveled off foundations and swept away; automobile-sized missiles fly through the air in excess of 100 meters (109 yds.); trees debarked; incredible phenomena will occur. |



Identified Hazard: Tornado

- 10 occurrences in Dallas County from 2001-2020
- \$7.5 in property damage, 3 deaths, 27 injuries
- Highest magnitude tornado was F3

Identified Hazard: Tornado

| Date | Location | Magnitude | Deaths | Injuries | Property Damage |
|------------|-----------------|-----------|--------|----------|-----------------|
| 05/04/2003 | Louisburg | F3 | 2 | 10 | \$3,800,000 |
| 05/04/2003 | Tunas | F0 | 0 | 0 | \$0 |
| 05/06/2003 | Olive | F0 | 0 | 0 | \$0 |
| 01/07/2008 | Handley | EF0 | 0 | 0 | \$0 |
| 03/31/2008 | Foose | EF2 | 0 | 3 | \$1,000,000 |
| 05/08/2009 | March | EF2 | 0 | 2 | \$2,000,000 |
| 02/28/2012 | Foose | EF2 | 1 | 12 | \$650,000 |
| 05/17/2015 | Wood Hill | EF0 | 0 | 0 | \$5,000 |
| 03/01/2017 | Buffalo Airport | EF0 | 0 | 0 | \$25,000 |
| 04/30/2019 | Louisburg | EF0 | 0 | 0 | \$68,000 |



Identified Hazard: Wildfire

- Areas that abut wildland vegetation and that intermingle with wildland are most at risk for wildfire
- NCEI reported 2 wildfires from 2001-2020
- MDC reports 946 wildfires from 2012-2021
 - Some events reported by multiple agencies
 - 20 buildings destroyed, 27 buildings damaged, 1,065 buildings threatened, and 51,596 total acres burned

Vulnerability

- Which hazards is your jurisdiction most at risk?
- What facilities and/or areas are most at risk to those hazards?
- What existing mechanism are in place to help mitigate negative consequences?

Mitigation Strategies

- Review old strategies from previous Dallas County Hazard Mitigation Plan
- Determine current status and relevance
- Modify, keep, remove previous strategies
- Develop new strategies

Community Survey



Thank you for your time!

Any questions?



Contact Information

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Associate Planner

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TCunningham@MissouriState.edu



For more information, visit our website

www.smcog.org

Dallas County Hazard Mitigation Plan Update Meeting #3

September 23, 2022

Thomas Cunningham

Associate Planner

Southwest Missouri Council of Governments



Outline

- Participation overview
- Process recap
- Mitigation goals and actions



Local Plan Participation

- Attend a minimum of 2 mitigation planning committee meetings
- Documentation of time and effort
- Adoption of the Hazard Mitigation Plan
- Complete required documents
 - Questionnaire
 - STAPLEE/Action Sheets



Time & Effort Reporting

- Hourly rate for volunteer time in Missouri:
 - Increased to \$27.21 on April 18, 2022
- Federal mileage rate:
 - 58¢ per mile

- ****As of 9-21-22, we are at \$686.57 out of \$3,667.67****



9 Tasks in the Planning Process

- Task 1: Determine the Planning Area and Resources → Completed
- Task 2: Build the Planning Team → YOU ARE THE TEAM!
- Task 3: Create an Outreach Strategy → Meeting 1
- Task 4: Review Community Capabilities → Questionnaire
- Task 5: Conduct a Risk Assessment → Meeting 2
- Task 6: Develop a Mitigation Strategy → Today and Meeting #4
- Task 7: Review and Adopt the Plan → Meeting #5 and on your own
- Task 8: Keep the Plan Current → That's YOU!
- Task 9: Create a Safe and Resilient Community → That's YOU!



Hazards Identified

- Dam Failure
- Drought
- Earthquake
- Extreme Temperatures
- Land Subsidence/ Sinkholes
- Riverine and Flash Flood
- Severe Thunderstorm/ High Winds/ Lightning/ Hail
- Tornado
- Wildfire
- Severe Winter Weather

Mitigation: Goals and Actions

- Goals are general guidelines that explain what you want to achieve- long-term, broad, policy-type statements.
- Mitigation Actions are specific actions that help achieve goals.
 - Losses from hazards can be reduced if communities take action before the next disaster
 - Long term and cumulative benefits
 - Some may be low-cost, readily adopted
 - Some may be dependent on available funding or best implemented following a disaster

Mitigation: Goals

- Goal 1) Protect the lives and livelihoods of all citizens.
- Goal 2) Reduce the potential impact of natural disasters to property, infrastructure, and the local economy.
- Goal 3) Ensure continued operation of government, emergency functions, and critical infrastructure in a disaster.



Mitigation: Actions

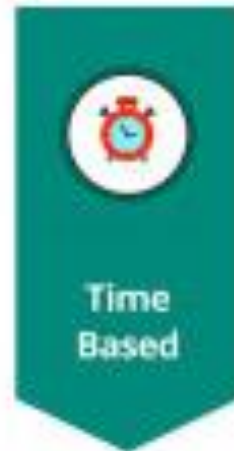
- Updating/Developing Mitigation Actions
 - Previous Actions- status updates are required for all actions from previous plan – FEMA WILL NOT APPROVE WITHOUT
- Current Status
- New Actions – add new actions as appropriate



Mitigation: Goals and Actions

- Actions must be SMART

SMART



Mitigation Action Examples



Hazard Mitigation Assistance Guidance

Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, and Flood Mitigation Assistance Program

February 27, 2015



Federal Emergency Management Agency
Department of Homeland Security
500 C Street, S.W.
Washington, DC 20472



Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards

January 2013



Mitigation Action Examples: *Hazard Mitigation Assistance Guidance, 2015 (page 33)*



Table 3: Eligible Activities by Program

| Eligible Activities | HMGP | PDM | FMA |
|--|------|-----|-----|
| 1. Mitigation Projects | ✓ | ✓ | ✓ |
| Property Acquisition and Structure Demolition | ✓ | ✓ | ✓ |
| Property Acquisition and Structure Relocation | ✓ | ✓ | ✓ |
| Structure Elevation | ✓ | ✓ | ✓ |
| Mitigation Reconstruction | ✓ | ✓ | ✓ |
| Dry Floodproofing of Historic Residential Structures | ✓ | ✓ | ✓ |
| Dry Floodproofing of Non-residential Structures | ✓ | ✓ | ✓ |
| Generators | ✓ | ✓ | |
| Localized Flood Risk Reduction Projects | ✓ | ✓ | ✓ |
| Non-localized Flood Risk Reduction Projects | ✓ | ✓ | |
| Structural Retrofitting of Existing Buildings | ✓ | ✓ | ✓ |
| Non-structural Retrofitting of Existing Buildings and Facilities | ✓ | ✓ | ✓ |
| Safe Room Construction | ✓ | ✓ | |
| Wind Retrofit for One- and Two-Family Residences | ✓ | ✓ | |
| Infrastructure Retrofit | ✓ | ✓ | ✓ |
| Soil Stabilization | ✓ | ✓ | ✓ |
| Wildfire Mitigation | ✓ | ✓ | |
| Post-Disaster Code Enforcement | ✓ | | |
| Advance Assistance | ✓ | | |
| 5 Percent Initiative Projects | ✓ | | |
| Miscellaneous/Other ⁽¹⁾ | ✓ | ✓ | ✓ |
| 2. Hazard Mitigation Planning | ✓ | ✓ | ✓ |
| Planning Related Activities | ✓ | | |
| 3. Technical Assistance | | | ✓ |
| 4. Management Cost | ✓ | ✓ | ✓ |

Mitigation Action Examples: *Mitigation Ideas, 2013*

- Flooding
 - **Remove existing structures from flood hazard areas** - Communities may remove structures from flood-prone areas to minimize future flood losses by acquiring and demolishing or relocating structures from voluntary property owners and preserving lands subject to repetitive flooding.
 - **Improve stormwater drainage system capacity** - Installing, re-routing, or increasing the capacity of a storm drainage system; increasing dimensions of drainage culverts in flood-prone areas; increasing capacity of stormwater detention and retention basins
 - **Protect critical facilities** - Requiring that all critical facilities including emergency operations centers (EOC), police stations, and fire department facilities be located outside of flood-prone areas; installing/upgrading stormwater pumping stations; installing back-up generators for pumping and lift stations in sanitary sewer systems along with other measures (e.g., alarms, meters, remote controls, and switchgear upgrades).
- Dam failure
 - N/A
- Earthquakes
 - **Protect critical facilities** - Conducting seismic retrofitting for critical public facilities most at risk to earthquakes; requiring bracing of generators, elevators, and other vital equipment in hospitals; reviewing construction plans for all bridges to determine their susceptibility to collapse and retrofitting problem bridges.

Mitigation Action Examples: *Mitigation Ideas, 2013*

- Land subsidence/sinkholes
 - **Manage development in high-risk areas** – prohibiting and/or restricting developing in areas with soils that is considered poor or unsuitable for development
 - **Remove existing structures from subsidence hazard areas** – to prevent property loss, acquire and demolish or relocate buildings and infrastructure in high-risk areas
- Drought
 - **Retrofit water supply systems** – design water delivery systems to accommodate drought events; developing new or upgrading existing water delivery systems to eliminate breaks and leaks
 - **Purchase crop insurance** – preserve economic stability by encouraging agricultural interests to obtain crop insurance to cover potential losses due to drought
 - **Educate farmers on soil and water conservation practices** - Encourage farmers to implement soil and water conservation practices that foster soil health and improve soil quality to help increase resiliency and mitigate the impacts of droughts.
- Extreme temperatures
 - **Assist vulnerable populations** - Measures should be taken to ensure vulnerable populations are adequately protected from the impacts of extreme temperatures
 - **Educate property owners about freezing pipes** - Extreme cold may cause water pipes to freeze and burst, which can cause flooding inside a building.

Mitigation Action Examples: *Mitigation Ideas, 2013*

- Severe thunderstorms
 - **Protect buildings from hail damage** - Structural bracing, shutters, laminated glass in window panes, and hail-resistant roof coverings or flashing in building design to minimize damage; installing hail resistant roofing and siding.
 - **Protect critical facilities and equipment from lightning damage** – install lightning protection devices such as lightning rods and grounding; install and maintain surge protection on critical electronic equipment
- Severe winter weather
 - **Protect power lines** – establish standards for all utilities regarding tree pruning around lines; bury overhead powerlines; install redundancies and loopfeeds
 - **Reduce impacts to roadways** – plan for and maintain adequate road and debris clearing capabilities
 - **Conduct winter weather risk awareness activities** – inform the public about severe winter weather impacts; include safety strategies for severe weather in diver education classes and materials

Mitigation Action Examples: *Mitigation Ideas, 2013*

- Tornado
 - ***Saferoom construction*** – require construction of safe rooms in new schools, daycares, and nursing homes; encourage the construction of safe rooms in residential homes
 - ***Require wind resistant building techniques*** – require or encourage wind engineering measures and construction techniques that may include structural bracing, straps and clips, anchor bolts, interlocking roof shingles, etc
- Wildfire
 - ***Require or encourage fire-resistant construction techniques*** – encourage the use of non-combustible materials for new construction in wildfire hazard areas; use fire-resistant roofing and building materials in remodels, upgrades, or new construction
 - ***Retrofit at-risk structures with ignition-resistant materials*** – protect propane tanks or other external fuel sources

Presidential Disaster Declarations Since 2000 (21)

| Disaster Number | Description | Declaration Date | Incident Period | Individual Assistance (IA) Public Assistance (PA) |
|-----------------|---|-----------------------------|----------------------------|--|
| 1412 | Severe Storms, Tornadoes, and Flooding | May 6 th , 2002 | Apr 24 – Jun 10, 2002 | IA and PA |
| 1463 | Severe Storms, Tornadoes, and Flooding | May 6 th , 2003 | May 4 – May 30, 2003 | IA and PA |
| 3232 | Hurricane Katrina Evacuation | Sep 10 th , 2005 | Aug 29 – Oct 1, 2005 | PA |
| 1728 | Severe Storms and Flooding | Sep 21 st , 2007 | Aug 19 – Aug 21, 2007 | PA |
| 3281 | Severe Winter Storms | Dec 12 th , 2007 | Dec 8 – Dec 15, 2007 | PA |
| 1676 | Severe Winter Storms and Flooding | Jan 15, 2007 | Jan 12 – Jan 22, 2007 | PA |
| 1749 | Severe Storms and Flooding | Mar 19, 2008 | Mar 17 – May 9, 2008 | |
| 1742 | Severe Storms, Tornadoes, and Flooding | Feb 5, 2008 | Jan 7 – Jan 10, 2008 | |
| 1847 | Severe Storms, Tornadoes, and Flooding | Jun 19, 2009 | May 8 – May 16, 2009 | IA and PA |
| 3303 | Severe Winter Storm | Jan 30, 2009 | Jan 26 – Jan 28, 2009 | PA |
| 3317 | Severe Winter Storm | Feb 3, 2011 | Jan 31 – Feb 5, 2011 | PA |
| 1961 | Severe Winter Storm and Snowstorm | Mar 23, 2011 | Jan 31 – Feb 5, 2011 | |
| 4144 | Severe Storms, Straight-Line Winds, and Flooding | Sep 6, 2014 | Aug 2 – Aug 14, 2013 | PA |
| 4238 | Severe Storms, Tornadoes, Straight-Line Winds, Flooding | Aug 7, 2015 | May 15 – Jul 27, 2015 | PA |
| 3374 | Severe Storms, Tornadoes, Straight-Line Winds, Flooding | Jan 2, 2016 | Dec 22, 2015 – Jan 9, 2016 | |
| 4250 | Severe Storms, Tornadoes, Straight-Line Winds, Flooding | Jan 21, 2016 | Dec 23, 2015 – Jan 9, 2016 | PA |
| 4317 | Severe Storms, Tornadoes, Straight-Line Winds, Flooding | Jun 2, 2017 | Apr 28 – May 11, 2017 | PA |
| 4451 | Severe Storms, Tornadoes, and Flooding | Jul 9, 2019 | Apr 29 – Jul 6, 2019 | PA |
| 3482 | COVID-19 | Mar 13, 2020 | Jan 20, 2020 – Continuing | PA |
| 4490 | COVID-19 Pandemic | Mar 26, 2020 | Jan 20, 2020 – Continuing | PA |
| 4552 | Severe Storms, Tornadoes, Straight-Line Winds, Flooding | Jul 9, 2020 | Mar 3 – May 4, 2020 | PA |



Approved FEMA HMA Grants in Dallas County

| Disaster Declaration | Program Area | Project Type | Sub-Grantee | Date Approved | Project Total |
|------------------------|--------------|--|-------------|---------------|--------------------|
| DR-1676-0014-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Buffalo | 9-4-2008 | \$1,451,544 |
| PDMC-PJ-07-MO-2009-002 | PDM | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Buffalo | 9-24-2009 | \$608,400 |
| Total | | | | | \$2,059,944 |



Approved FEMA HMA Grants in Lawrence County (For Comparison)

| Disaster Declaration | Program Area | Project Type | Sub-Grantee | Date Approved | Project Total |
|------------------------|--------------|--|-------------------------------------|---------------|-----------------------|
| PDMC-PJ-07-MO-2003-007 | PDM | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Pierce City | 04/26/2004 | \$133,000.00 |
| PDMC-PJ-07-MO-2005-002 | PDM | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Pierce City R-VI School District | 09/08/2005 | \$1,081,130.40 |
| DR-1980-0054-R | HMGP | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Monett | 02/18/2016 | \$2,713,441.00 |
| PDMC-PJ-07-MO-2017-001 | PDM | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Miller R-II School District | 12/18/2018 | \$1,027,500.00 |
| DR-4451-0004-R | HMGP | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Monett | 08/27/2021 | \$1,445,500.00 |
| Total | | | | | \$6,400,571.40 |



Approved FEMA HMA Grants in Barry County (For Comparison)

| Disaster Declaration | Program Area | Project Type | Sub-Grantee | Date Approved | Project Total |
|----------------------|--------------|--|------------------------------|---------------|--------------------|
| DR-1980-0035-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Monett | 2015-01-21 | \$833,349.00 |
| DR-1980-0040-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | MONETT SCHOOL SUPERINTENDENT | 2014-12-09 | \$2,549,772.00 |
| DR-4250-0010-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | PURDY SCHOOL DISTRICT 2 | 2017-04-04 | \$1,579,000.00 |
| DR-1980-0064-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | CASSVILLE IV SCHOOL DISTRICT | 2015-01-21 | \$1,383,942.00 |
| DR-1749-0004-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | MONETT SCHOOL SUPERINTENDENT | 2013-02-11 | \$914,578.00 |
| DR-1847-0005-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | CASSVILLE IV SCHOOL DISTRICT | 2012-09-13 | \$1,552,250.00 |
| DR-4317-0042-R | HMGP | 200.1: Acquisition of Private Real Property (Structures and Land) - Riverine | Monett | 2020-05-19 | \$659,741.00 |
| DR-1403-0010-F | HMGP | 600.1: Warning Systems (as a Component of a Planned, Adopted, and Exercised Risk Reduction Plan) | KAMO ELECTRIC | 2007-02-27 | \$57,576.00 |
| Total | | | | | \$9,530,208 |

FEMA Public Assistance Grants in Dallas County

| Disaster Declaration | Declaration Date | Project Title | Applicant | Project Total |
|----------------------|------------------|--------------------------------------|-------------------|---------------|
| 1412 | 05/06/2002 | Road Damage | Dallas County | \$64,248.58 |
| 1463 | 05/06/2003 | Debris Removal | City of Urbana | \$1,148.28 |
| 1676 | 01/15/2007 | Public Buildings and Facilities | Dallas County R-I | \$22,869.06 |
| 1749 | 3/19/2008 | CULVERT / LOW WATER CROSSING WASHOUT | Dallas County | \$1,391.55 |
| 1847 | 6/19/2009 | JAT-008-Road Surface | City of Urbana | \$6,788.64 |
| 1961 | 3/23/2011 | DLFB-B3 - 72 hour Snow Emergency | City of Buffalo | \$16,452.06 |
| 4144 | 9/6/2013 | Dallas County Culverts DCDC06C | Dallas County | \$19,534.34 |
| 4238 | 8/7/2015 | WWS021C - Dallas Co Road Dist 4 | Dallas County | \$40,824.52 |
| 4238 | 8/7/2015 | WWS017C- Road Asphalt failure | Dallas County | \$173,369.80 |

STAPLEE Sheets



| STAPLEE Worksheet | | |
|---|--|--------------|
| Name of Jurisdiction: | | |
| Action or Project | | |
| Action/Project Number: | Insert a unique action number for this action for future tracking purposes. This can be a combination of the jurisdiction name, followed by the goal number and action number (i.e. Joplin1.1) | |
| Name of Action or Project: | | |
| Mitigation Category: | Prevention; Structure and Infrastructure Projects; Natural Systems Protection; Education and Outreach; Emergency Services | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | |
| T: Is it Technically feasible and potentially successful? | | |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | |
| P: Is it Politically acceptable? | | |
| L: Is there Legal authority to implement? | | |
| E: Is it Economically beneficial? | | |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | |
| Will historic structures be saved or protected? | | |
| Could it be implemented quickly? | | |
| STAPLEE SCORE | | |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | |
| MITIGATION EFFECTIVENESS SCORE | | |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Action Sheets



| Action Worksheet | |
|---|--|
| Name of Jurisdiction: | |
| Risk / Vulnerability | |
| Hazard(s) Addressed: | List the hazard or hazards that will be addressed by this action |
| Problem being Mitigated: | Provide a brief description of the problem that the action will address. Utilize the problem statement developed in the risk assessment. |
| Action or Project | |
| Applicable Goal Statement: | Choose the goal statement that applies to this action |
| Action/Project Number: | Insert a unique action number for this action for future tracking purposes. This can be a combination of the jurisdiction name, followed by the goal number and action number (i.e. Joplin1.1) |
| Name of Action or Project: | |
| Mitigation Category: | Prevention; Structure and Infrastructure Projects; Natural Systems Protection; Education and Outreach; Emergency Services |
| Action or Project Description: | Describe the action or project. |
| Estimated Cost: | Provide an estimate of the cost to implement this action. This can be accomplished with a range of estimated costs. |
| Benefits: | Provide a narrative describing the losses that will be avoided by implementing this action. If dollar amounts of avoided losses are known, include them as well. |
| Plan for Implementation | |
| Responsible Organization/Department: | Which organization will be responsible for tracking this action? Be specific to include the specific department or position within a department. |
| Supporting Organization/Department: | Which organization/department will assist in implementation of this action? |
| Action/Project Priority: | |
| Timeline for Completion: | How many months/years to complete. |
| Potential Fund Sources: | List specific funding sources that may be used to pay for the implementation of the action. |
| Local Planning Mechanisms to be Used in Implementation, if any: | |
| Progress Report | |
| Action Status: | Indicate status as New, Continuing Not Started, or Continuing in Progress) |
| Report of Progress: | For Continuing actions only, indicate the report on progress. If the action is not started, indicate any barriers encountered to initiate the action. If the action is in progress, indicate the activity that has occurred to date. |

Thank you for your time!

Any questions?



Contact Information

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For more information, visit our website

www.smcog.org



Dallas County Hazard Mitigation Plan Update Meeting #4

October 28, 2022

Thomas Cunningham, Associate Planner
Southwest Missouri Council of Governments



Outline

- Participation overview
- Mitigation actions
- Adoption resolution



Local Plan Participation

- Attend a minimum of 2 Mitigation Planning Committee meetings
- Documentation of Time and Effort
- Adoption of the Hazard Mitigation Plan
- Complete Capabilities Survey
 - Current Plans
 - Additional Questions
 - Provide Insured Replacement Cost for Structures and Contents



Time & Effort Reporting

- Hourly rate for volunteer time in Missouri:
 - \$27.21
- Federal mileage rate:
 - 58¢ per mile
- Current in-kind match as of 10/27: \$1,553.53/\$3,666.67



Local Plan Participation (as of 10/27)

| Jurisdiction | 2018 Plan Participant? | Meeting Attendance | | | | | Required Documents | | | | |
|---|------------------------|--------------------|-------|-------|-------|-------|---------------------|---------------|---------------------|---------------|----------------|
| | | mtg 1 | mtg 2 | mtg 3 | mtg 4 | mtg 5 | Capabilities Survey | Time Sheet(s) | Adoption Resolution | Action Sheets | STAPLEE sheets |
| Dallas County | y | x | x | x | | | x | 5 | | | |
| City of Buffalo | y | x | x | | | | x | | | | |
| City of Urbana | n | | x | x | | | | 3 | | | |
| Village of Louisburg | y | | | | | | | | | | |
| School Districts | | | | | | | | | | | |
| Dallas County R-I | y | x | x | | | | x | 1 | | | |
| Special Districts | | | | | | | | | | | |
| Buffalo Rural Fire District | n | | | | | | | | | | |
| Dallas County Health Department | n | x | x | | | | x | | | | |
| Dallas County 911 | n | x | x | | | | x | 1 | | | |
| Long Lane Rural Fire District | n | | | | | | | | | | |
| Southern Dallas County Fire Protection District | n | | | | | | | | | | |
| Urbana Rural Fire Department | y | x | x | x | | | x | 5 | | | |
| Windyville Volunteer Fire Department | n | | | | | | | | | | |



9 Tasks in the Planning Process

- Task 1: Determine the Planning Area and Resources → **Completed**
- Task 2: Build the Planning Team → **YOU ARE THE TEAM!**
- Task 3: Create an Outreach Strategy → **Meeting 1**
- Task 4: Review Community Capabilities → **Questionnaire**
- Task 5: Conduct a Risk Assessment → **Meeting 2**
- Task 6: Develop a Mitigation Strategy → **Meeting 3 and 4**
- Task 7: Review and Adopt the Plan → **Meeting #5 and on your own**
- Task 8: Keep the Plan Current → **That's YOU!**
- Task 9: Create a Safe and Resilient Community → **That's YOU!**



Hazards Identified

- Dam Failure
- Drought
- Earthquake
- Extreme Temperatures
- Land Subsidence/ Sinkholes
- Riverine and Flash Flood
- Severe Thunderstorm/ High Winds/ Lightning/ Hail
- Tornado
- Wildfire
- Severe Winter Weather

Mitigation: Goals and Actions

- Goals are general guidelines that explain what you want to achieve- long-term, broad, policy-type statements.
- Mitigation Actions are specific actions that help achieve goals.
 - Losses from hazards can be reduced if communities take action before the next disaster
 - Long term and cumulative benefits
 - Some may be low-cost, readily adopted
 - Some may be dependent on available funding or best implemented following a disaster

Mitigation: Goals

- Goal 1) Protect the lives and livelihoods of all citizens.
- Goal 2) Reduce the potential impact of natural disasters to property, infrastructure, and the local economy.
- Goal 3) Ensure continued operation of government, emergency functions, and critical infrastructure in a disaster.



How to Develop Mitigation Actions

- Previous Dallas County Hazard Mitigation Plan
- Hazard Mitigation Plans from neighboring communities
- FEMA documents (*HMA Guidance* and *Mitigation Ideas*)
- Review list of funded hazard mitigation projects for Dallas County and other counties in Southwest Missouri
- Your own community's needs
 - Are your critical facilities protected?
 - How will your community respond to hazard events (tornado, flooding, ice storm, etc)?
 - Where are your weaknesses and how can you best address them?

Mitigation Action Examples



Hazard Mitigation Assistance Guidance

Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, and Flood Mitigation Assistance Program

February 27, 2015



Federal Emergency Management Agency
Department of Homeland Security
500 C Street, S.W.
Washington, DC 20472



Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards

January 2013



Mitigation Action Examples: *Hazard Mitigation Assistance Guidance, 2015 (page 33)*



Table 3: Eligible Activities by Program

| Eligible Activities | HMGP | PDM | FMA |
|--|------|-----|-----|
| 1. Mitigation Projects | ✓ | ✓ | ✓ |
| Property Acquisition and Structure Demolition | ✓ | ✓ | ✓ |
| Property Acquisition and Structure Relocation | ✓ | ✓ | ✓ |
| Structure Elevation | ✓ | ✓ | ✓ |
| Mitigation Reconstruction | ✓ | ✓ | ✓ |
| Dry Floodproofing of Historic Residential Structures | ✓ | ✓ | ✓ |
| Dry Floodproofing of Non-residential Structures | ✓ | ✓ | ✓ |
| Generators | ✓ | ✓ | |
| Localized Flood Risk Reduction Projects | ✓ | ✓ | ✓ |
| Non-localized Flood Risk Reduction Projects | ✓ | ✓ | |
| Structural Retrofitting of Existing Buildings | ✓ | ✓ | ✓ |
| Non-structural Retrofitting of Existing Buildings and Facilities | ✓ | ✓ | ✓ |
| Safe Room Construction | ✓ | ✓ | |
| Wind Retrofit for One- and Two-Family Residences | ✓ | ✓ | |
| Infrastructure Retrofit | ✓ | ✓ | ✓ |
| Soil Stabilization | ✓ | ✓ | ✓ |
| Wildfire Mitigation | ✓ | ✓ | |
| Post-Disaster Code Enforcement | ✓ | | |
| Advance Assistance | ✓ | | |
| 5 Percent Initiative Projects | ✓ | | |
| Miscellaneous/Other ⁽¹⁾ | ✓ | ✓ | ✓ |
| 2. Hazard Mitigation Planning | ✓ | ✓ | ✓ |
| Planning Related Activities | ✓ | | |
| 3. Technical Assistance | | | ✓ |
| 4. Management Cost | ✓ | ✓ | ✓ |

Approved FEMA HMA Grants in Dallas County

| Disaster Declaration | Program Area | Project Type | Sub-Grantee | Date Approved | Project Total |
|------------------------|--------------|--|-------------|---------------|--------------------|
| DR-1676-0014-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Buffalo | 9-4-2008 | \$1,451,544 |
| PDMC-PJ-07-MO-2009-002 | PDM | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Buffalo | 9-24-2009 | \$608,400 |
| Total | | | | | \$2,059,944 |



Approved FEMA HMA Grants in Polk County (for comparison)

| Disaster Declaration | Program Area | Project Type | Sub-Grantee | Date Approved | Project Total |
|----------------------|--------------|--|-------------------------------|---------------|--------------------|
| DR-1412-0014-R | HMGP | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Polk (County) | 7/30/2004 | \$53,928 |
| DR-1980-0033-R | HMGP | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | MARION C EARLY R-5 | 10/22/2012 | \$1,414,059 |
| DR-4552-0007-R | HMGP | Safe Room (Tornado and Severe Wind Shelter) - Private Structures | BOLIVAR SUPERINTENDENT OFFICE | 9/13/2021 | \$1,548,232 |
| DR-1736-0005-P | HMGP | Local Multihazard Mitigation Plan | Statewide | 12/4/2009 | \$253,736 |
| Total | | | | | \$3,269,955 |



Approved FEMA HMA Grants in Lawrence County (For Comparison)

| Disaster Declaration | Program Area | Project Type | Sub-Grantee | Date Approved | Project Total |
|------------------------|--------------|--|-------------------------------------|---------------|-----------------------|
| PDMC-PJ-07-MO-2003-007 | PDM | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Pierce City | 04/26/2004 | \$133,000.00 |
| PDMC-PJ-07-MO-2005-002 | PDM | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Pierce City R-VI School District | 09/08/2005 | \$1,081,130.40 |
| DR-1980-0054-R | HMGP | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Monett | 02/18/2016 | \$2,713,441.00 |
| PDMC-PJ-07-MO-2017-001 | PDM | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Miller R-II School District | 12/18/2018 | \$1,027,500.00 |
| DR-4451-0004-R | HMGP | Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Monett | 08/27/2021 | \$1,445,500.00 |
| Total | | | | | \$6,400,571.40 |



Approved FEMA HMA Grants in Barry County (For Comparison)

| Disaster Declaration | Program Area | Project Type | Sub-Grantee | Date Approved | Project Total |
|----------------------|--------------|--|------------------------------|---------------|--------------------|
| DR-1980-0035-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | Monett | 2015-01-21 | \$833,349.00 |
| DR-1980-0040-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | MONETT SCHOOL SUPERINTENDENT | 2014-12-09 | \$2,549,772.00 |
| DR-4250-0010-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | PURDY SCHOOL DISTRICT 2 | 2017-04-04 | \$1,579,000.00 |
| DR-1980-0064-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | CASSVILLE IV SCHOOL DISTRICT | 2015-01-21 | \$1,383,942.00 |
| DR-1749-0004-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | MONETT SCHOOL SUPERINTENDENT | 2013-02-11 | \$914,578.00 |
| DR-1847-0005-R | HMGP | 206.2: Safe Room (Tornado and Severe Wind Shelter) - Public Structures | CASSVILLE IV SCHOOL DISTRICT | 2012-09-13 | \$1,552,250.00 |
| DR-4317-0042-R | HMGP | 200.1: Acquisition of Private Real Property (Structures and Land) - Riverine | Monett | 2020-05-19 | \$659,741.00 |
| DR-1403-0010-F | HMGP | 600.1: Warning Systems (as a Component of a Planned, Adopted, and Exercised Risk Reduction Plan) | KAMO ELECTRIC | 2007-02-27 | \$57,576.00 |
| Total | | | | | \$9,530,208 |

Mitigation Actions Prioritization

STAPLEE Worksheet:

Social

Technical

Administrative

Political

Legal

Economical

Environmental



| STAPLEE Worksheet | | |
|--|--|--|
| Name of Jurisdiction: | | |
| Action or Project | | |
| Action/Project Number: | Insert a unique action number for this action for future tracking purposes. This can be a combination of the jurisdiction name, followed by the goal number and action number (i.e. Joplin1.1) | |
| Name of Action or Project: | | |
| Mitigation Category: | Prevention; Structure and Infrastructure Projects; Natural Systems Protection; Education and Outreach; Emergency Services | |
| STAPLEE Criteria | | Score |
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | |
| T: Is it Technically feasible and potentially successful? | | |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | |
| P: Is it Politically acceptable? | | |
| L: Is there Legal authority to implement? | | |
| E: Is it Economically beneficial? | | |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | |
| Will historic structures be saved or protected? | | |
| Could it be implemented quickly? | | |
| STAPLEE SCORE | | |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | |
| MITIGATION EFFECTIVENESS SCORE | | |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | |
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
| Completed by (Name, Title, Phone Number) | | |

Mitigation Actions Implementation

- Complete:
 - Estimated Cost: Do your best based on your jurisdiction; a range of \$ is fine
 - Responsible & Supporting Organization/Department: What position or department will be in charge of implementing the action? Police, Fire, Administration, etc.
 - Action/Project Priority: this is the final number from the STAPLEE sheet
 - Timeline for Completion: Can be a range of time and up to five years, ongoing



| Action Worksheet | |
|---|---|
| Name of Jurisdiction: | Branson West |
| Risk / Vulnerability | |
| Hazard(s) Addressed: | Tornado, Severe Storm, Winter Weather, Flooding, Drought, Extreme Heat |
| Problem being Mitigated: | Public awareness of hazard vulnerability and mitigation measures. |
| Action or Project | |
| Applicable Goal Statement: | Protect lives and livelihoods of all citizens. |
| Action/Project Number: | 1.1 |
| Name of Action or Project: | Awareness Program |
| Mitigation Category: | Education and Outreach |
| Action or Project Description: | Partner with traditional media and the National Weather Service to publish and/or broadcast information on severe weather hazards. |
| Estimated Cost: | Provide an estimate of the cost to implement this action. This can be accomplished with a range of estimated costs |
| Benefits: | Reduction in loss of life, injury, and property during hazard events. |
| Plan for Implementation | |
| Responsible Organization/Department: | Which organization will be responsible for tracking this action? Be specific to include the specific department or position within a department. |
| Supporting Organization/Department: | Which organization/department will assist in implementation of this action? |
| Action/Project Priority: | This is the final number from the STAPLEE sheet for the corresponding action |
| Timeline for Completion: | How many months/years to complete. An estimated range is acceptable (2-4 months, 1-2 years, etc) |
| Potential Fund Sources: | List specific funding sources that may be used to pay for the implementation of the action (FEMA grants [HMGP, BRIC, PDM, FMA], local tax revenue, loans, bonds, other grant sources [MDC, DNR, USDA, EDA, etc.]) |
| Local Planning Mechanisms to be Used in Implementation, if any: | List any planning mechanisms that will be used in the implementation of this action (comprehensive plan, capital improvement plan, school infrastructure plan, emergency operations plan, budgeting process, etc) |
| Progress Report | |
| Action Status: | Revised, continuing |
| Report of Progress: | If the action is New , indicate any potential barriers you might encounter while implementing it. If the action is Continuing Not Started , indicate why the action hasn't been implemented yet (lack of funds, limited staff availability, new administration, etc.). If the action is Continuing in Progress , indicate any progress that has been made over the past 5 years. |

Mitigation Actions Implementation

- Complete:
 - Potential Fund Sources: local funds, SEMA/FEMA grants, MDC/DNR/USDA/EDA grants, etc
 - Local planning mechanisms to be used in implementation: comprehensive plan, capital improvement plan, emergency operations plan, etc
 - Report of progress: provide an update of the progress that has been made over the past 5 years



| Action Worksheet | |
|---|---|
| Name of Jurisdiction: | Branson West |
| Risk / Vulnerability | |
| Hazard(s) Addressed: | Tornado, Severe Storm, Winter Weather, Flooding, Drought, Extreme Heat |
| Problem being Mitigated: | Public awareness of hazard vulnerability and mitigation measures. |
| Action or Project | |
| Applicable Goal Statement: | Protect lives and livelihoods of all citizens. |
| Action/Project Number: | 1.1 |
| Name of Action or Project: | Awareness Program |
| Mitigation Category: | Education and Outreach |
| Action or Project Description: | Partner with traditional media and the National Weather Service to publish and/or broadcast information on severe weather hazards. |
| Estimated Cost: | Provide an estimate of the cost to implement this action. This can be accomplished with a range of estimated costs |
| Benefits: | Reduction in loss of life, injury, and property during hazard events. |
| Plan for Implementation | |
| Responsible Organization/Department: | Which organization will be responsible for tracking this action? Be specific to include the specific department or position within a department. |
| Supporting Organization/Department: | Which organization/department will assist in implementation of this action? |
| Action/Project Priority: | This is the final number from the STAPLEE sheet for the corresponding action |
| Timeline for Completion: | How many months/years to complete. An estimated range is acceptable (2-4 months, 1-2 years, etc) |
| Potential Fund Sources: | List specific funding sources that may be used to pay for the implementation of the action (FEMA grants [HMGP, BRIC, PDM, FMA], local tax revenue, loans, bonds, other grant sources [MDC, DNR, USDA, EDA, etc.]) |
| Local Planning Mechanisms to be Used in Implementation, if any: | List any planning mechanisms that will be used in the implementation of this action (comprehensive plan, capital improvement plan, school infrastructure plan, emergency operations plan, budgeting process, etc) |
| Progress Report | |
| Action Status: | Revised, continuing |
| Report of Progress: | If the action is New , indicate any potential barriers you might encounter while implementing it. If the action is Continuing Not Started , indicate why the action hasn't been implemented yet (lack of funds, limited staff availability, new administration, etc.). If the action is Continuing in Progress , indicate any progress that has been made over the past 5 years. |

Mitigation Actions Implementation

- Funding Sources

- SEMA/FEMA Grants: HMGP, PDM (replaced with BRIC), FMA
- <https://sema.dps.mo.gov/docs/programs/LRMF/mitigation/HMA-guidance-508-2-27-2015.pdf>

Cost Share Requirements:

| Programs | Mitigation Activity (Percent of Federal/Non-Federal Share) | Recipient Management Costs (Percent of Federal/Non-Federal Share) | Subrecipient Management Costs (Percent of Federal/Non-Federal Share) |
|---|--|---|--|
| HMGP | 75/25 | 100/0 | —/— ⁽¹⁾ |
| PDM | 75/25 | 75/25 | 75/25 |
| PDM - subrecipient is small and impoverished community | 90/10 | 75/25 | 90/10 |
| PDM - Tribal Recipient/subrecipient is small and impoverished | 90/10 | 90/10 | 90/10 |
| FMA - insured properties and planning grants | 75/25 | 75/25 | 75/25 |
| FMA - repetitive loss property ⁽²⁾ | 90/10 | 90/10 | 90/10 |
| FMA - severe repetitive loss property ⁽²⁾ | 100/0 | 100/0 | 100/0 |



Mitigation Actions Implementation

- Missouri Department of Conservation (MDC) Grants – <https://mdc.mo.gov/community-conservation/community-conservation-funding-opportunities>
 - *Community Conservation Grant* – promotes urban wildlife habitat improvement, encourages organizational partnerships for land stewardship, and supports the training of partner staff to manage natural landscapes
 - *Urban Conservation Cost Share* – promotes sustainable development practices and the establishment of natural resource conservation practices in municipal and developing areas.
 - *Tree Resource Improvement and Management (TRIM) Grant* - encourages communities to have a sustainable, balanced, and comprehensive community forestry program based on a current tree inventory and managed with the guidance of a community forestry professional
 - *Missouri Conversation Heritage Foundation, Stream Stewardship Trust Fund*- low water crossing replacements for qualifying streams



Mitigation Actions Implementation

- U.S. Department of Agriculture– www.usda.gov
 - *Rural Development*- community facilities, special evaluation assistance for rural communities (water and waste projects), water and waste disposal loan and grant program
 - *Emergency Watershed Protection Program*- remove debris from stream channels, culverts, bridges; correct damaged drainage facilities
- U.S. Department of Commerce, Missouri Department of Economic Development
 - *Public Works and Economic Development Facilities Assistance* – construction, non-construction, technical assistance, etc.
 - *Missouri Infrastructure Development Opportunities Commission Program* – infrastructure improvements, priority to water and sewer address public health
 - *Public Entity Loan Program* – tax-exempt bonds for public buildings, jails, infrastructure, acquisition of land, demolition of buildings
 - *Community Development Block Grant* – Disaster Recovery



Mitigation Actions Implementation

- Funding Sources
 - SEMA/FEMA Grants: HMGP, PDM, FMA
 - Hazard Mitigation Grant Program (HMGP)
 - Tied to disaster declarations; Equation tied to amount of disaster assistance
 - Pre-Disaster Mitigation (PDM)
 - Annual Appropriation
 - Nationally Competitive
 - Flood Mitigation Assistance (FMA)
 - Annual Appropriation
 - Must be NFIP
 - SRL or RL properties

HMGP Cost-Share Example



Mitigation Actions Implementation

- Complete:
 - Local Planning Mechanisms:
 - Comprehensive Plan
 - Capital Improvement Plan
 - School Infrastructure Plan
 - Emergency Operations Plan
 - Budget process
 - Report of Progress:
 - If the action is continuing, what progress, if any, has been made



| Action Worksheet | |
|---|---|
| Name of Jurisdiction: | Branson West |
| Risk / Vulnerability | |
| Hazard(s) Addressed: | Tornado, Severe Storm, Winter Weather, Flooding, Drought, Extreme Heat |
| Problem being Mitigated: | Public awareness of hazard vulnerability and mitigation measures. |
| Action or Project | |
| Applicable Goal Statement: | Protect lives and livelihoods of all citizens. |
| Action/Project Number: | 1.1 |
| Name of Action or Project: | Awareness Program |
| Mitigation Category: | Education and Outreach |
| Action or Project Description: | Partner with traditional media and the National Weather Service to publish and/or broadcast information on severe weather hazards. |
| Estimated Cost: | Provide an estimate of the cost to implement this action. This can be accomplished with a range of estimated costs |
| Benefits: | Reduction in loss of life, injury, and property during hazard events. |
| Plan for Implementation | |
| Responsible Organization/Department: | Which organization will be responsible for tracking this action? Be specific to include the specific department or position within a department. |
| Supporting Organization/Department: | Which organization/department will assist in implementation of this action? |
| Action/Project Priority: | This is the final number from the STAPLEE sheet for the corresponding action |
| Timeline for Completion: | How many months/years to complete. An estimated range is acceptable (2-4 months, 1-2 years, etc) |
| Potential Fund Sources: | List specific funding sources that may be used to pay for the implementation of the action (FEMA grants [HMGP, BRIC, PDM, FMA], local tax revenue, loans, bonds, other grant sources [MDC, DNR, USDA, EDA, etc.]) |
| Local Planning Mechanisms to be Used in Implementation, if any: | List any planning mechanisms that will be used in the implementation of this action (comprehensive plan, capital improvement plan, school infrastructure plan, emergency operations plan, budgeting process, etc) |
| Progress Report | |
| Action Status: | Revised, continuing |
| Report of Progress: | If the action is New , indicate any potential barriers you might encounter while implementing it. If the action is Continuing Not Started , indicate why the action hasn't been implemented yet (lack of funds, limited staff availability, new administration, etc.). If the action is Continuing in Progress , indicate any progress that has been made over the past 5 years. |

Adoption Resolutions

- Due by January 20, 2023
 - If you cannot meet this date, you will need to send me an email detailing when you will have it passed. I will use that email as a placeholder when I submit the plan to SEMA for review



Thank you for your time!

Any questions?



Contact Information

Thomas Cunningham

Associate Planner

417-836-5281

TCunningham@missouristate.edu



For more information, visit our website

www.smcog.org

Dallas County Hazard Mitigation Plan Update Meeting #5

December 2, 2022

Thomas Cunningham, Associate Planner
Southwest Missouri Council of Governments



Outline

- Participation Overview
- Process Recap
- Funding and Implementation Mechanisms
- Mitigation Action Tracking
- Plan Adoption and Maintenance



Missing Documents (as of 12/1/22)

- Adoption Resolution
 - Dallas County Health Department
- Adoption Resolution, Action/STAPLEE Sheets
 - Dallas County, City of Buffalo, Dallas County R-I, Urbana Rural Fire Department
- Adoption Resolution, New Actions, Action/STAPLEE Sheets
 - Dallas County 911
- Questionnaire, Adoption Resolution, New Actions, Action/STAPLEE Sheets
 - City of Urbana
- Has not attended any meetings
 - Village of Louisburg, Buffalo Rural Fire District, Long Lane Rural Fire District, Southern Dallas County Fire Protection District, Windyville Rural Fire Department

In-Kind Match (as of 12/1/22)

- Current in-kind: \$2,101.41/\$3,666.67 (57%)
- Missing timesheets:
 - Dallas County – submitted timesheets reference reviewing old plan, but no reference to questionnaire or action/staplee work. Missing timesheet for Terry Lane meeting 1 (July 29)
 - City of Buffalo – no timesheets received at all. Greg Cunningham attended meeting 1 (July 29) and Brandon Kenall attended meeting 2 (Aug 26)
 - City of Urbana – no timesheets reference questionnaire or action/staplee work
 - Village of Louisburg – no timesheets/attended no meetings
 - Dallas County R-I – Timesheet for Buck Shockley meeting 2 (Aug 26)
 - Buffalo Rural Fire Dept - no timesheets/attended no meetings
 - Dallas County Health Dept – no timesheets reference work on questionnaire
 - Dallas County 911 – timesheet for Duane Hamilton meeting 4 (Oct 28)
 - Long Lane Rural Fire District - no timesheets/attended no meetings
 - Southern Dallas county Fire Protection District - no timesheets/attended no meetings
 - Urbana Rural Fire Department – no missing. Great job!
 - Windyville Volunteer Fire Department - no timesheets/attended no meetings

Missing timesheets

- Have you met with your City Council/School Board/Board of Directors/etc?
- Did anyone else at your office work on this?
- Did you post the community survey on your facebook/etc?
- Did you work on the required documents but not submit that time?



9 Tasks in the Planning Process

- Task 1: Determine the Planning Area and Resources → Completed
- Task 2: Build the Planning Team → YOU ARE THE TEAM!
- Task 3: Create an Outreach Strategy → Meeting 1
- Task 4: Review Community Capabilities → Questionnaire
- Task 5: Conduct a Risk Assessment → Meeting 2
- Task 6: Develop a Mitigation Strategy → Meeting 3 and 4
- Task 7: Review and Adopt the Plan → Meeting 5 and on your own
- Task 8: Keep the Plan Current → That's YOU!
- Task 9: Create a Safe and Resilient Community → That's YOU!



Mitigation Action Prioritization

STAPLEE Worksheet:

Social

Technical

Administrative

Political

Legal

Economical

Environmental



| STAPLEE Worksheet | | |
|--|--|--|
| Name of Jurisdiction: | | |
| Action or Project | | |
| Action/Project Number: | Insert a unique action number for this action for future tracking purposes. This can be a combination of the jurisdiction name, followed by the goal number and action number (i.e. Joplin1.1) | |
| Name of Action or Project: | | |
| Mitigation Category: | Prevention; Structure and Infrastructure Projects; Natural Systems Protection; Education and Outreach; Emergency Services | |
| STAPLEE Criteria | | Score |
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | |
| T: Is it Technically feasible and potentially successful? | | |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | |
| P: Is it Politically acceptable? | | |
| L: Is there Legal authority to implement? | | |
| E: Is it Economically beneficial? | | |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | |
| Will historic structures be saved or protected? | | |
| Could it be implemented quickly? | | |
| STAPLEE SCORE | | |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | |
| MITIGATION EFFECTIVENESS SCORE | | |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | |
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
| Completed by (Name, Title, Phone Number) | | |

Mitigation Actions Implementation

- Complete:
 - Estimated Cost: Do your best based on your jurisdiction; a range of \$ is fine
 - Responsible & Supporting Organization/Department: What position or department will be in charge of implementing the action? Police, Fire, Administration, etc.
 - Action/Project Priority: this is the final number from the STAPLEE sheet
 - Timeline for Completion: Can be a range of time and up to five years, ongoing



| Action Worksheet | |
|---|---|
| Name of Jurisdiction: | Branson West |
| Risk / Vulnerability | |
| Hazard(s) Addressed: | Tornado, Severe Storm, Winter Weather, Flooding, Drought, Extreme Heat |
| Problem being Mitigated: | Public awareness of hazard vulnerability and mitigation measures. |
| Action or Project | |
| Applicable Goal Statement: | Protect lives and livelihoods of all citizens. |
| Action/Project Number: | 1.1 |
| Name of Action or Project: | Awareness Program |
| Mitigation Category: | Education and Outreach |
| Action or Project Description: | Partner with traditional media and the National Weather Service to publish and/or broadcast information on severe weather hazards. |
| Estimated Cost: | Provide an estimate of the cost to implement this action. This can be accomplished with a range of estimated costs |
| Benefits: | Reduction in loss of life, injury, and property during hazard events. |
| Plan for Implementation | |
| Responsible Organization/Department: | Which organization will be responsible for tracking this action? Be specific to include the specific department or position within a department. |
| Supporting Organization/Department: | Which organization/department will assist in implementation of this action? |
| Action/Project Priority: | This is the final number from the STAPLEE sheet for the corresponding action |
| Timeline for Completion: | How many months/years to complete. An estimated range is acceptable (2-4 months, 1-2 years, etc) |
| Potential Fund Sources: | List specific funding sources that may be used to pay for the implementation of the action (FEMA grants [HMGP, BRIC, PDM, FMA], local tax revenue, loans, bonds, other grant sources [MDC, DNR, USDA, EDA, etc.]) |
| Local Planning Mechanisms to be Used in Implementation, if any: | List any planning mechanisms that will be used in the implementation of this action (comprehensive plan, capital improvement plan, school infrastructure plan, emergency operations plan, budgeting process, etc) |
| Progress Report | |
| Action Status: | Revised, continuing |
| Report of Progress: | If the action is New , indicate any potential barriers you might encounter while implementing it. If the action is Continuing Not Started , indicate why the action hasn't been implemented yet (lack of funds, limited staff availability, new administration, etc.). If the action is Continuing in Progress , indicate any progress that has been made over the past 5 years. |

Mitigation Actions Implementation

- Complete:
 - Potential Fund Sources: local funds, SEMA/FEMA grants, MDC/DNR/USDA/EDA grants, etc
 - Local planning mechanisms to be used in implementation: comprehensive plan, capital improvement plan, emergency operations plan, etc
 - Report of progress: provide an update of the progress that has been made over the past 5 years



| Action Worksheet | |
|---|---|
| Name of Jurisdiction: | Branson West |
| Risk / Vulnerability | |
| Hazard(s) Addressed: | Tornado, Severe Storm, Winter Weather, Flooding, Drought, Extreme Heat |
| Problem being Mitigated: | Public awareness of hazard vulnerability and mitigation measures. |
| Action or Project | |
| Applicable Goal Statement: | Protect lives and livelihoods of all citizens. |
| Action/Project Number: | 1.1 |
| Name of Action or Project: | Awareness Program |
| Mitigation Category: | Education and Outreach |
| Action or Project Description: | Partner with traditional media and the National Weather Service to publish and/or broadcast information on severe weather hazards. |
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| Action/Project Priority: | This is the final number from the STAPLEE sheet for the corresponding action |
| Timeline for Completion: | How many months/years to complete. An estimated range is acceptable (2-4 months, 1-2 years, etc) |
| Potential Fund Sources: | List specific funding sources that may be used to pay for the implementation of the action (FEMA grants [HMGP, BRIC, PDM, FMA], local tax revenue, loans, bonds, other grant sources [MDC, DNR, USDA, EDA, etc.]) |
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| Progress Report | |
| Action Status: | Revised, continuing |
| Report of Progress: | If the action is New , indicate any potential barriers you might encounter while implementing it. If the action is Continuing Not Started , indicate why the action hasn't been implemented yet (lack of funds, limited staff availability, new administration, etc.). If the action is Continuing in Progress , indicate any progress that has been made over the past 5 years. |

Mitigation Actions Implementation

- Funding Sources

- SEMA/FEMA Grants: HMGP, PDM (replaced with BRIC), FMA
- <https://sema.dps.mo.gov/docs/programs/LRMF/mitigation/HMA-guidance-508-2-27-2015.pdf>

Cost Share Requirements:

| Programs | Mitigation Activity (Percent of Federal/Non-Federal Share) | Recipient Management Costs (Percent of Federal/Non-Federal Share) | Subrecipient Management Costs (Percent of Federal/Non-Federal Share) |
|---|--|---|--|
| HMGP | 75/25 | 100/0 | —/— ⁽¹⁾ |
| PDM | 75/25 | 75/25 | 75/25 |
| PDM - subrecipient is small and impoverished community | 90/10 | 75/25 | 90/10 |
| PDM - Tribal Recipient/subrecipient is small and impoverished | 90/10 | 90/10 | 90/10 |
| FMA - insured properties and planning grants | 75/25 | 75/25 | 75/25 |
| FMA - repetitive loss property ⁽²⁾ | 90/10 | 90/10 | 90/10 |
| FMA - severe repetitive loss property ⁽²⁾ | 100/0 | 100/0 | 100/0 |



Mitigation Actions – Potential Fund Sources

- Funding Sources
 - SEMA/FEMA Grants: HMGP, PDM/BRIC, FMA
 - Hazard Mitigation Grant Program (HMGP)
 - Tied to disaster declarations; Equation tied to amount of disaster assistance
 - Pre-Disaster Mitigation (PDM)
 - Annual Appropriation
 - Nationally Competitive
 - Flood Mitigation Assistance (FMA)
 - Annual Appropriation
 - Must be NFIP
 - SRL or RL properties

HMGP Cost-Share Example



Mitigation Actions – Potential Fund Sources

- U.S. Department of Agriculture– www.usda.gov
 - Rural Development- community facilities, special evaluation assistance for rural communities (water and waste projects), water and waste disposal loan and grant program
 - Emergency Watershed Protection Program- remove debris from stream channels, culverts, bridges; correct damaged drainage facilities
- U.S. Department of Commerce, Missouri Department of Economic Development
 - Public Works and Economic Development Facilities Assistance – construction, non-construction, technical assistance, etc.
 - Missouri Infrastructure Development Opportunities Commission Program – infrastructure improvements, priority to water and sewer address public health
 - Public Entity Loan Program – tax-exempt bonds for public buildings, jails, infrastructure, acquisition of land, demolition of buildings
 - Community Development Block Grant – Disaster Recovery



Mitigation Actions – Potential Fund Sources

- Missouri Department of Conservation (MDC) Grants – <https://mdc.mo.gov>
 - Community Conservation Funding – stream restoration, prairie reconstruction, forest management, wetland enhancement
 - Tree Resource Improvement and Maintenance (TRIM) Grant – tree inventory, hazardous tree removal or pruning, tree planting, training for community forest care
 - Cost-share for wildfire-fighting equipment
 - Missouri Conversation Heritage Foundation, Stream Stewardship Trust Fund- low water crossing replacements for qualifying streams



Mitigation Actions Implementation

| Eligible Activities | HMGP | PDM | FMA |
|--|------|-----|-----|
| 1. Mitigation Projects | ✓ | ✓ | ✓ |
| Property Acquisition and Structure Demolition | ✓ | ✓ | ✓ |
| Property Acquisition and Structure Relocation | ✓ | ✓ | ✓ |
| Structure Elevation | ✓ | ✓ | ✓ |
| Mitigation Reconstruction | ✓ | ✓ | ✓ |
| Dry Floodproofing of Historic Residential Structures | ✓ | ✓ | ✓ |
| Dry Floodproofing of Non-residential Structures | ✓ | ✓ | ✓ |
| Generators | ✓ | ✓ | |
| Localized Flood Risk Reduction Projects | ✓ | ✓ | ✓ |
| Non-localized Flood Risk Reduction Projects | ✓ | ✓ | |
| Structural Retrofitting of Existing Buildings | ✓ | ✓ | ✓ |
| Non-structural Retrofitting of Existing Buildings and Facilities | ✓ | ✓ | ✓ |
| Safe Room Construction | ✓ | ✓ | |

| Eligible Activities | HMGP | PDM | FMA |
|--|------|-----|-----|
| Wind Retrofit for One- and Two-Family Residences | ✓ | ✓ | |
| Infrastructure Retrofit | ✓ | ✓ | ✓ |
| Soil Stabilization | ✓ | ✓ | ✓ |
| Wildfire Mitigation | ✓ | ✓ | |
| Post-Disaster Code Enforcement | ✓ | | |
| Advance Assistance | ✓ | | |
| 5 Percent Initiative Projects | ✓ | | |
| Miscellaneous/Other ⁽¹⁾ | ✓ | ✓ | ✓ |
| 2. Hazard Mitigation Planning | ✓ | ✓ | ✓ |
| Planning Related Activities | ✓ | | |
| 3. Technical Assistance | | | ✓ |
| 4. Management Cost | ✓ | ✓ | ✓ |

⁽¹⁾ Miscellaneous/Other indicates that any proposed action will be evaluated on its own merit against program requirements. Eligible projects will be approved provided funding is available.



Plan Adoption and Maintenance

- Each participating jurisdiction must have adopted mitigation plan
- FEMA regulations require complete update every 5 years
- FEMA requires a formal plan maintenance process to ensure that the mitigation plan remains active and relevant



Plan Adoption and Maintenance

- Who, how, and when will the plan be monitored, evaluated, and updated?
 - Through Emergency Management Coordination
 - After hazard events
 - Committee members report on status of mitigation actions
 - Involve and notify public of maintenance process- press release, discussion at public meetings

Thank you for your time!

Any questions?



Dallas County Hazard Mitigation Plan Update Meeting 3

The third meeting for the Dallas County Hazard Mitigation Plan update is scheduled for Friday, September 23, at 11 am. The meeting will be held at 119 S Maple Street in Buffalo. This meeting is open to the public. Any questions or comments can be sent to Thomas Cunningham, Associate Planner, at TCunningham@missouristate.edu.

Tags:

Dallas County



Upcoming Meeting • Hazard Mitigation



Dallas County HMP Update Meeting #5

The fifth and final Dallas County Hazard Mitigation Plan Update Meeting will take place on Friday, December 2nd, at 11 AM. It will be held at 119 S Maple Street in Bolivar. The meeting is open to the public.

If you have any questions, please contact Thomas Cunningham, Associate Planner, at TCunningham@MissouriState.edu.

Tags:

Dallas County



Upcoming Meeting • Hazard Mitigation



| NAME | ORGANIZATION | TITLE | EMAIL |
|---------------------|---|----------------------|--|
| o Terry Lade | Dallas Co. Emer. Mgt. | Director | terry@kofwgermid.com |
| Δ Larry Sanford | Urban Rural Fire | Chief | urfr1200@phmrc.com |
| o Duane Hamilton | Dallas Co. 911 | Director | DHamilton@dallas.com 911.05 |
| Δ - Greg Cunningham | Buffalo City Fire City of Buffalo OEM | Fire Chief OEM | Quail-RSQ @yahoo.com |
| Δ Buck Shackley | Dallas Co. R-1 Schools | Asst. Superintendent | buck.shackley@bison pride.org |
| o Cheryl Eversole | Dallas Co Health Dept | Administrator | Cheryl.Eversole@ dallascountyhealth.com |

Dallas County Natural Hazard Mitigation Plan Meeting 2
Mitigation Planning Committee Meeting
Buffalo, MO
Friday, August 26 - 11:00am
Sign in (Please Print)

| Name | Title | Jurisdiction/Organization | Email |
|-----------------|---------------------|---------------------------|--|
| Linda Senyard | FF/SR | URFD | lisenyard@gmail.com |
| Laurie Senyard | Fire Chief | URFD | urfd1700@yahoo.com |
| Dawn Sutton | Utahna City Utility | | dhsutton@centurytel.net |
| Cheryl Eversole | Administrator | DeHealth Dept | cheryl.eversole@dallascountyhealth.com |
| Buck Shockley | Asst Superintendent | Dallas Co. P-1 Schools | buck.shockley@bisonpride.org |
| Dwane Hammett | Exec. Dir. | Dwatts Co. 911 | dhammett@dwtts.com 911.us |
| Brandon Kenall | Mayor | City of Buffalo | Brandonkenall@gmail.com |
| Tara Swarigan | | Dallas Co. Em. Management | tara@holbergval.com |
| TERRY WALE | DIRECTOR | TALLAS Co. Eng. Mgt. | terry@walbergconsult.com |
| | | | |
| | | | |

Dallas County Natural Hazard Mitigation Plan Update Kick Off Meeting
Mitigation Planning Committee Meeting
Buffalo, MO
Friday, September 23 - 11:00am
Sign-in (Please Print)

| Name | Title | Jurisdiction/Organization | Email |
|---------------|----------------|---------------------------|--------------------------------------|
| TERRY LAW | EMD | Dallas County | terry@nolongervalid.com |
| April Garrett | EMDD | Dallas County | agarrett.DallasCountyEM@gmail.com |
| Tara Swanigan | EM Staff | Dallas County | apc@garrett.DallasCountyEM@gmail.com |
| Larry Senyard | URFD | Dallas | tara@nolongervalid.com |
| Linda Senyard | URFD | DALLAS | lrs@1200@jaha.com |
| Dawn Sutton | City of Urbana | Dallas County | lseyard@gmail.com |
| Andrea Ammons | City of Urbana | Dallas County | cityurbana@centurytel.net |
| | | | cityurbana@centurytel.net |
| | | | |
| | | | |
| | | | |
| | | | |

Dallas County Natural Hazard Mitigation Plan Update Meeting 4
Mitigation Planning Committee Meeting
Buffalo, MO
Friday, October 28 - 11:00am
Sign-in (Please Print)

| Name | Title | Jurisdiction/Organization | Email |
|----------------|----------------------|----------------------------|------------------------------|
| Terry Laster | Emerg. Mgt. Dir. | DALLAS Co. Emg. Mgt. | terry@nolongervalid.com |
| Sandra Sminals | Mayor | City of Urbana | cityurbana@centurytel.net |
| Dawn Sutton | Utility Clerk | City of Urbana | cityurbana@centurytel.net |
| Linda Senyard | FF/FR | Urbana Fire | lisenyard@gmail.com |
| Larry Senyard | Chief | Urbana Fire | urf1200@yahoo.com |
| Buck Shockley | Asst. Superintendent | Dallas Co. School District | buck.shockley@bisonpride.org |
| DUANE HAMILTON | EXECUTIVE DIRECTOR | DALLAS COUNTY 911 | DHAMILTON@DALLASCOMO911.US |
| Tara Swanigan | EM staff | Dallas Co. Emg Mgt. | tara@nolongervalid.com |
| | | | |
| | | | |
| | | | |
| | | | |

Dallas County Natural Hazard Mitigation Plan Update Meeting 5
Mitigation Planning Committee Meeting
Buffalo, MO
Friday, December 2 - 11:00am
Sign-in (Please Print)

| Name | Title | Jurisdiction/Organization | Email |
|-----------------|---|---------------------------|---------------------------------|
| ★ April Garrett | Deputy Director Dallas County | Dallas County | agarrett.dallascounty@gmail.com |
| Dawn Sutton | Utility Clerk | Dallas Co, City of Urbana | cityurbana@centurytel.net |
| Sara Simmons | Mayor | Dallas Co, City of Urbana | " |
| Buck Shockley | Asst. Superintendent | Dallas Co. R-1 Schools | buck-shockley@bisonride.org |
| Linda Senyard | | Urbana RFD | lseyard@gmail.com |
| Larry Senyard | Chief | Urbana Rural Fire Dept | urfd1200@yahoo.com |
| Terry Lane | EMD | DALLAS Co. Eng. Mgt. | terry@holongev.com |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| STAPLEE Worksheet | | |
|--|---|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 1.1 | |
| Name of Action or Project: | Public Awareness – Distribute informational material to citizens, businesses, and vulnerable population groups on natural hazards and ways to reduce risk | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 2 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 1 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 1 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 2 |
| STAPLEE SCORE | | 17 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 11 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 28 |

| | | |
|--|---|---|
| <input type="checkbox"/> High Priority (30+ points) | <input checked="" type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|---|

Completed by
(Name, Title, Phone Number)

Terry Lane - EMD

| STAPLEE Worksheet | | |
|--|--|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 1.3 | |
| Name of Action or Project: | Alert Systems - Promote the use of NOAA radios and/or automated alert systems in businesses, homes, and vulnerable facilities such as schools, nursing homes, medical clinics, and day care centers. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | Score |
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 22 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 8 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 13 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 35 |

| | | |
|---|--|---|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|--|---|

Completed by
(Name, Title, Phone Number)

Terry Jones - EMD

| STAPLEE Worksheet | | |
|--|---|--------------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 1.4 | |
| Name of Action or Project: | Citizen Preparedness - Promote the use of smoke alarms in homes, businesses, and places of public congregation. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 2 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 1 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 19 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 8 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 6 |
| MITIGATION EFFECTIVENESS SCORE | | 12 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 31 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Henry Kane - EMD

| STAPLEE Worksheet | | |
|--|---|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 1.5 | |
| Name of Action or Project: | Procedure for Flooded Roadways - Create a procedure for notification of flooded roadways. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 8 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 13 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 37 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Terry Lane - EMD

| STAPLEE Worksheet | | |
|--|--|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 1.6 | |
| Name of Action or Project: | Safe environments during severe weather - Where feasible, retrofit existing critical and vulnerable facilities to provide a safer environment during severe weather events | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria | | Score |
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 1 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 2 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 2 |
| E: Is it Economically beneficial? | | 0 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 15 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 15 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 30 |

| | | |
|---|--|---|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|--|---|

Completed by
(Name, Title, Phone Number)

Terry J. Gue - EMD

| STAPLEE Worksheet | | |
|---|---|--------------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 2.1 | |
| Name of Action or Project: | Back-up generators - Promote installation of back-up generators in all communities for critical infrastructure, such as water towers and wastewater treatment facilities, and in critical/vulnerable facilities including schools, medical facilities, storm shelters, and critical government buildings. | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 1 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 18 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 7 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 6 |
| MITIGATION EFFECTIVENESS SCORE | | 13 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 31 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Terry Lane - EMD

| STAPLEE Worksheet | | |
|---|--|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 2.2 | |
| Name of Action or Project: | Low water crossing upgrades - Upgrade low water crossings where feasible | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 20 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 11 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 31 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Terry Jones - EMD

| STAPLEE Worksheet | | |
|--|---|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 2.3 | |
| Name of Action or Project: | Storm Water Impact - Clean debris from drainage channels and under bridges to improve capacities of storm drainage systems. | |
| Mitigation Category: | Prevention | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 2 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 19 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 29 |

| | | |
|--|---|---|
| <input type="checkbox"/> High Priority (30+ points) | <input checked="" type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|---|

Completed by
(Name, Title, Phone Number)

Terry Lane - EMD

| STAPLEE Worksheet | | |
|---|--|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 2.4 | |
| Name of Action or Project: | Building Codes - Adopt building codes for new construction | |
| Mitigation Category: | Prevention | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 2 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 1 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 18 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 6 |
| MITIGATION EFFECTIVENESS SCORE | | 12 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 30 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Terry Lane - EMD

| STAPLEE Worksheet | | |
|---|---|--------------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 2.5 | |
| Name of Action or Project: | Construction Technique Awareness - Promote an educational campaign for homebuyers and builders on installing construction techniques such as, hurricane straps in new construction. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 0 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 18 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 11 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 29 |

| | | |
|---|--|--|
| <input type="checkbox"/> High Priority (30+ points) | <input checked="" type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|--|--|

Completed by
(Name, Title, Phone Number)

Terry Jone - EMD

| STAPLEE Worksheet | | |
|--|--|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 2.6 | |
| Name of Action or Project: | Stream and River Clean Up - Clean debris from county rivers and streams to increase capacity of water bodies and mitigate floods | |
| Mitigation Category: | Natural Systems Protection | |
| STAPLEE Criteria | | Score |
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 1 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 2 |
| P: Is it Politically acceptable? | | 2 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 1 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 0 |
| STAPLEE SCORE | | 15 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 11 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 26 |

| | | |
|--|--|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input checked="" type="checkbox"/> Low Priority (<25 points) |
|--|--|--|

Completed by
(Name, Title, Phone Number)

Terry Lane - EMD

STAPLEE Worksheet

| | | |
|---|---|--------------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 3.1 | |
| Name of Action or Project: | Database Resources - Establish and maintain a database on available mitigation resources and programs that can be shared with local governments, response and preparedness agencies, and emergency care providers. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 1 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 18 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 28 |

| | | |
|---|---|---|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input checked="" type="checkbox"/> Low Priority (<25 points) |
|---|---|---|

Completed by
(Name, Title, Phone Number)

Jerry Lane - EMD

| STAPLEE Worksheet | | |
|--|---|-------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 3.2 | |
| Name of Action or Project: | Communications Equipment - Provide adequate communications equipment for essential emergency personnel. | |
| Mitigation Category: | Emergency Services | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 2 |
| P: Is it Politically acceptable? | | 2 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 1 |
| STAPLEE SCORE | | 19 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 29 |

| | | |
|--|---|---|
| <input type="checkbox"/> High Priority (30+ points) | <input checked="" type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|---|

Completed by
(Name, Title, Phone Number)

Henry Lane - EMD

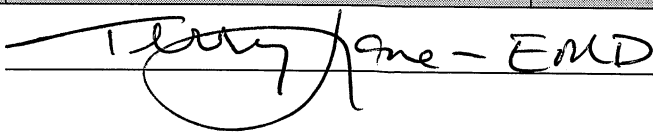
STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | Dallas County |
| Action or Project | |
| Action/Project Number: | 3.3 |
| Name of Action or Project: | Data Backup - Establish a records management and data backup systems for jurisdictions. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | | Score |
|---|--|-------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 2 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 2 |
| P: Is it Politically acceptable? | | 2 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 1 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 0 |
| STAPLEE SCORE | | 16 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 26 |

| | | |
|---|--|--|
| <input type="checkbox"/> High Priority (30+ points) | <input checked="" type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|--|--|

Completed by
(Name, Title, Phone Number)



 T. J. Berry / ame - EMD

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | Dallas County |
| Action or Project | |
| Action/Project Number: | 3.4 |
| Name of Action or Project: | Redundancy Plans - Support development of redundancy plans for utility and telecommunication service providers in the county. |
| Mitigation Category: | Prevention |

| STAPLEE Criteria | | Score |
|---|--|-----------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 2 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 1 |
| P: Is it Politically acceptable? | | 2 |
| L: Is there Legal authority to implement? | | 0 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 1 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 0 |
| STAPLEE SCORE | | 11 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 11 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 22 |

| | | |
|---|---|---|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input checked="" type="checkbox"/> Low Priority (<25 points) |
|---|---|---|

Completed by
(Name, Title, Phone Number)

Terry Fine - EMD

| STAPLEE Worksheet | | |
|---|--|--------------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 3.5 | |
| Name of Action or Project: | County GIS - Utilize and enhance the countywide multi-jurisdictional GIS system. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 2 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 2 |
| STAPLEE SCORE | | 21 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 31 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Felty Jane - EMD

| STAPLEE Worksheet | | |
|--|---|--------------|
| Name of Jurisdiction: | Dallas County | |
| Action or Project | | |
| Action/Project Number: | 3.6 | |
| Name of Action or Project: | Communication Cooperation - Ensure communication channels and cooperation with surrounding jurisdictions. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 2 |
| STAPLEE SCORE | | 23 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 33 |

| | | |
|---|--|---|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|--|---|

Completed by
(Name, Title, Phone Number)

[Handwritten Signature] - EMD

STAPLEE Worksheet

Name of Jurisdiction: City of Buffalo

Action or Project

Action/Project Number: 1.1

Name of Action or Project: Public Aware

Mitigation Category: Education and Outreach

| STAPLEE Criteria | | Score |
|--------------------------|-------------------|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 | Maybe YES = 2 | |
| Probably NO = 1 | Definitely NO = 0 | |

S: Is it **Socially** Acceptable 3

T: Is it **Technically** feasible and potentially successful? 3

A: Does the jurisdiction have the **Administrative** capacity to execute this action? 3

P: Is it **Politically** acceptable? 3

L: Is there **Legal** authority to implement? 3

E: Is it **Economically** beneficial? 3

E: Will the project have either a neutral or positive impact on the natural **Environment**? 3

Will historic structures be saved or protected? 0

Could it be implemented quickly? 3

STAPLEE SCORE 24

| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
|--|--------------------------|--------------|
|--|--------------------------|--------------|

Will the implemented action result in lives saved? Assign from 5-10 points based on the likelihood that lives will be saved. 10

Will the implemented action result in a reduction of disaster damages? Assign from 5-10 points based on the relative reduction of disaster damages. 5

MITIGATION EFFECTIVENESS SCORE 15

TOTAL SCORE (STAPLEE + Mitigation Effectiveness) **39**

High Priority
(30+ points)

Medium Priority
(25 - 29 points)

Low Priority
(<25 points)

Completed by (Name, Title, Phone Number) Greg Cunningham, Fire Chief 417-345-7800

| STAPLEE Worksheet | | |
|--|---|--|
| Name of Jurisdiction: | City of Buffalo | |
| Action or Project | | |
| Action/Project Number: | 1.2 | |
| Name of Action or Project: | Natural Hazard Awareness - Work with private sector business organizations and community service organizations to distribute information to the public on natural hazards and resources available to reduce risk. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 27 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 47 |
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | City of Buffalo |
| Action or Project | |
| Action/Project Number: | 1.3 |
| Name of Action or Project: | Storm Sirens - Maintain storm sirens in all population centers in the county. |
| Mitigation Category: | Structure and Infrastructure Projects |

| STAPLEE Criteria | | Score |
|---|--|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 | | |
| Probably NO = 1 | | |
| Maybe YES = 2 | | |
| Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 23 |

| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
|--|--|--------------|
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 43 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by (Name, Title, Phone Number) Greg Cunningham, Fire Chief 417-345-7800

STAPLEE Worksheet

| | |
|------------------------------|-----------------|
| Name of Jurisdiction: | City of Buffalo |
|------------------------------|-----------------|

Action or Project

| | |
|-------------------------------|-----|
| Action/Project Number: | 1.4 |
|-------------------------------|-----|

| | |
|-----------------------------------|---|
| Name of Action or Project: | Alert Systems - Promote the use of NOAA radios and/or automated alert systems in businesses, homes, and vulnerable facilities such as schools, nursing homes, medical clinics, and day care centers. |
|-----------------------------------|---|

| | |
|-----------------------------|------------------------|
| Mitigation Category: | Education and Outreach |
|-----------------------------|------------------------|

| STAPLEE Criteria | Score |
|--|--------------|
| Evaluation Rating | |
| Definitely YES = 3 Maybe YES = 2 | |
| Probably NO = 1 Definitely NO = 0 | |

| | |
|---|-----------|
| S: Is it Socially Acceptable | 3 |
| T: Is it Technically feasible and potentially successful? | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | 3 |
| P: Is it Politically acceptable? | 3 |
| L: Is there Legal authority to implement? | 3 |
| E: Is it Economically beneficial? | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | 3 |
| Will historic structures be saved or protected? | 0 |
| Could it be implemented quickly? | 3 |
| STAPLEE SCORE | 24 |

| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
|--|--|--------------|
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 44 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | City of Buffalo |
| Action or Project | |
| Action/Project Number: | 1.5 |
| Name of Action or Project: | Citizen Preparedness - Promote the use of smoke alarms in homes, businesses, and places of public congregation. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | | Score |
|---|--|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 27 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 15 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 42 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | City of Buffalo |
| Action or Project | |
| Action/Project Number: | 1.6 |
| Name of Action or Project: | Procedure for Flooded Roadways - Create a procedure for notification of flooded roadways. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | | Score |
|---|--|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 15 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 39 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | | |
|---|--|--------------|
| Name of Jurisdiction: | City of Buffalo | |
| Action or Project | | |
| Action/Project Number: | 1.7 | |
| Name of Action or Project: | Safe environments during severe weather - Where feasible, retrofit existing critical and vulnerable facilities to provide a safer environment during severe weather events | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 44 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by (Name, Title, Phone Number) Greg Cunningham, Fire Chief 417-345-7800

| STAPLEE Worksheet | | |
|--|--|-----------|
| Name of Jurisdiction: | City of Buffalo | |
| Action or Project | | |
| Action/Project Number: | 2.1 | |
| Name of Action or Project: | Back-up generators - Promote installation of back-up generators in all communities for critical infrastructure, such as water towers and wastewater treatment facilities, and in critical/vulnerable facilities including schools, medical facilities, storm shelters, and critical government buildings. | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 2 |
| STAPLEE SCORE | | |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 40 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

| STAPLEE Worksheet | | |
|--|--|-----------|
| Name of Jurisdiction: | City of Buffalo | |
| Action or Project | | |
| Action/Project Number: | 2.2 | |
| Name of Action or Project: | Low water crossing upgrades - Upgrade low water crossings where feasible | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria | | Score |
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 27 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 47 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | | |
|---|---|--------------|
| Name of Jurisdiction: | City of Buffalo | |
| Action or Project | | |
| Action/Project Number: | 2.3 | |
| Name of Action or Project: | Storm Water Impact - Utilize appropriate structural improvements to eliminate or reduce the impacts of storm water on wastewater treatment facilities and collection systems | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 27 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 47 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | City of Buffalo |
| Action or Project | |
| Action/Project Number: | 2.4 |
| Name of Action or Project: | Storm Water Impact - Clean debris from drainage channels and under bridges to improve capacities of storm drainage systems. |
| Mitigation Category: | Prevention |

| STAPLEE Criteria | | Score |
|---|--|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 26 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 15 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 41 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

Name of Jurisdiction: City of Buffalo

Action or Project

Action/Project Number: 2.5

Name of Action or Project: **Construction Technique Awareness** - Promote an educational campaign for homebuyers and builders on installing construction techniques such as, hurricane straps in new construction

Mitigation Category: Education and Outreach

| STAPLEE Criteria | | Score |
|--------------------------|-------------------|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 | Maybe YES = 2 | |
| Probably NO = 1 | Definitely NO = 0 | |

| | |
|---|-----------|
| S: Is it Socially Acceptable | 3 |
| T: Is it Technically feasible and potentially successful? | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | 3 |
| P: Is it Politically acceptable? | 3 |
| L: Is there Legal authority to implement? | 3 |
| E: Is it Economically beneficial? | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | 3 |
| Will historic structures be saved or protected? | 3 |
| Could it be implemented quickly? | 3 |
| STAPLEE SCORE | 27 |

| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
|--|--|--------------|
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 47 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

| STAPLEE Worksheet | | |
|--|--|--------------|
| Name of Jurisdiction: | City of Buffalo | |
| Action or Project | | |
| Action/Project Number: | 3.1 | |
| Name of Action or Project: | Communications Equipment - Provide adequate communications equipment for essential emergency personnel. | |
| Mitigation Category: | ; Emergency Services | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 21 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 15 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 36 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | City of Buffalo |
| Action or Project | |
| Action/Project Number: | 3.2 |
| Name of Action or Project: | Data Backup - Establish a records management and data backup systems for jurisdictions. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | | Score |
|---|--|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 21 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 31 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | City of Buffalo |
| Action or Project | |
| Action/Project Number: | 3.3 |
| Name of Action or Project: | Redundancy Plans - Support development of redundancy plans for utility and telecommunication service providers in the county. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | | Score |
|---|--|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 21 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 15 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 36 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | City of Buffalo |
| Action or Project | |
| Action/Project Number: | 3.4 |
| Name of Action or Project: | Communication Cooperation - Ensure communication channels and cooperation with surrounding jurisdictions. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | | Score |
|---|--|--------------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 27 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 8 |
| MITIGATION EFFECTIVENESS SCORE | | 18 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 45 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
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417-345-7800

| STAPLEE Worksheet | | |
|--|--|--------------|
| Name of Jurisdiction: | City of Buffalo | |
| Action or Project | | |
| Action/Project Number: | 3.5 | |
| Name of Action or Project: | Saferoom/Shelter at the City Parks | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 21 |
| Mitigation Effectiveness Criteria | Evaluation Rating | |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 41 |

| | |
|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|--|

Completed by
(Name, Title, Phone Number)

Greg Cunningham, Fire Chief

417-345-7800

Figure 4.1. Blank STAPLEE Worksheet

| STAPLEE Worksheet | | |
|---|--|--|
| Name of Jurisdiction: | City of Urbana | |
| | Action or Project | |
| Action/Project Number: | Urbana 1.1 | |
| Name of Action or Project: | Oak Street Low Water Bridge | |
| Mitigation Category: | Flood | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 34 |
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
| Completed by _____ (Name, Title, Phone Number) | | |

Figure 4.1. Blank STAPLEE Worksheet

| STAPLEE Worksheet | | |
|---|--|--|
| Name of Jurisdiction: | City of Urbana | |
| | Action or Project | |
| Action/Project Number: | Urbana 1.2 | |
| Name of Action or Project: | Mill Street Low Water Bridge | |
| Mitigation Category: | Flood | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 34 |
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
| Completed by (Name, Title, Phone Number) | | |

Figure 4.1. Blank STAPLEE Worksheet

| STAPLEE Worksheet | | |
|---|--|--|
| Name of Jurisdiction: | City of Urbana | |
| | Action or Project | |
| Action/Project Number: | Urbana 1.3 | |
| Name of Action or Project: | Safe room/city hall building/EOC | |
| Mitigation Category: | Tornado/Multiple Hazards | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 34 |
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
| Completed by _____ (Name, Title, Phone Number) | | |

| STAPLEE Worksheet | | |
|---|---|--------------|
| Name of Jurisdiction: | Dallas County R-I | |
| Action or Project | | |
| Action/Project Number: | 1.1 | |
| Name of Action or Project: | Public Awareness - Distribute informational material to citizens, businesses, and vulnerable population groups on natural hazards and ways to reduce risks. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 8 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 8 |
| MITIGATION EFFECTIVENESS SCORE | | 16 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 40 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Buck Shockey, Asst. Supt. 417-345-2222

| STAPLEE Worksheet | | |
|--|---|--------------|
| Name of Jurisdiction: | Dallas County R-I | |
| Action or Project | | |
| Action/Project Number: | 1.2 | |
| Name of Action or Project: | Natural Hazard Awareness - Work with private sector business organizations and community service organizations to distribute information to the public on natural hazards and resources available to reduce risk. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 8 |
| MITIGATION EFFECTIVENESS SCORE | | 14 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 38 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Buck Shockley Asst. Supt. 417-345-2222

| STAPLEE Worksheet | | |
|--|--|--------------|
| Name of Jurisdiction: | Dallas County R-1 | |
| Action or Project | | |
| Action/Project Number: | 1.3 | |
| Name of Action or Project: | Alert Systems - Promote the use of NOAA radios and/or automated alert systems in businesses, homes, and vulnerable facilities such as schools, nursing homes, medical clinics, and day care centers. | |
| Mitigation Category: | ; Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 6 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 6 |
| MITIGATION EFFECTIVENESS SCORE | | 12 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 36 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Buck Shackley, Asst. Supt. 417-345-2222

| STAPLEE Worksheet | | |
|---|---|--------------|
| Name of Jurisdiction: | Dallas County R-I | |
| Action or Project | | |
| Action/Project Number: | 1.4 | |
| Name of Action or Project: | Citizen Preparedness - Promote the use of smoke alarms in homes, businesses, and places of public congregation. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 8 |
| MITIGATION EFFECTIVENESS SCORE | | 18 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 42 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Buck Shackley, Asst. Supt. 417-345-2222

| STAPLEE Worksheet | | |
|---|--|--------------|
| Name of Jurisdiction: | Dallas County R-1 | |
| Action or Project | | |
| Action/Project Number: | 1.5 | |
| Name of Action or Project: | Safe environments during severe weather - Where feasible, retrofit existing critical and vulnerable facilities to provide a safer environment during severe weather events | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 8 |
| MITIGATION EFFECTIVENESS SCORE | | 18 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 36 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Buck Shackley Asst. Supt. 417-345-2222

| STAPLEE Worksheet | | |
|--|--|--------------|
| Name of Jurisdiction: | Dallas County R-1 | |
| Action or Project | | |
| Action/Project Number: | 3.1 | |
| Name of Action or Project: | Database Resources - Establish and maintain a database on available mitigation resources and programs that can be shared with local governments, response and preparedness agencies, and emergency care providers. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 9 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 9 |
| MITIGATION EFFECTIVENESS SCORE | | 18 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 42 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Brack Shackley Asst. Supt. 417-345-2222

| STAPLEE Worksheet | | |
|---|---|--------------|
| Name of Jurisdiction: | Dallas County R-I | |
| Action or Project | | |
| Action/Project Number: | 3.2 | |
| Name of Action or Project: | Redundancy Plans - Support development of redundancy plans for utility and telecommunication service providers in the county. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | Score |
| Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 0 |
| T: Is it Technically feasible and potentially successful? | | 1 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 0 |
| P: Is it Politically acceptable? | | 0 |
| L: Is there Legal authority to implement? | | 0 |
| E: Is it Economically beneficial? | | 0 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 0 |
| Will historic structures be saved or protected? | | 3 |
| Could it be implemented quickly? | | 0 |
| STAPLEE SCORE | | 4 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 24 |

| | | |
|---|---|---|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input checked="" type="checkbox"/> Low Priority (<25 points) |
|---|---|---|

Completed by
(Name, Title, Phone Number)

Buck Shackley Asst. Supt. 917-345-2222

| STAPLEE Worksheet | | |
|--|---|--------------|
| Name of Jurisdiction: | Dallas County R-I | |
| Action or Project | | |
| Action/Project Number: | 3.3 | |
| Name of Action or Project: | Communication Cooperation - Ensure communication channels and cooperation with surrounding jurisdictions. | |
| Mitigation Category: | Education and Outreach | |
| STAPLEE Criteria | | |
| Evaluation Rating | | Score |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 44 |

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|--|---|--|

Completed by
(Name, Title, Phone Number)

Buck Shackley Assl. Supt. 417-345-2222

| STAPLEE Worksheet | | |
|--|--|--------------|
| Name of Jurisdiction: | Dallas County 911 | |
| Action or Project | | |
| Action/Project Number: | 3.1 | |
| Name of Action or Project: | Hardened Emergency 911 Communications Center | |
| Mitigation Category: | Structure and Infrastructure Projects | |
| STAPLEE Criteria Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | Score |
| S: Is it Socially Acceptable | | 3 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 3 |
| L: Is there Legal authority to implement? | | 3 |
| E: Is it Economically beneficial? | | 3 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 3 |
| Will historic structures be saved or protected? | | 0 |
| Could it be implemented quickly? | | 3 |
| STAPLEE SCORE | | 24 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 10 |
| MITIGATION EFFECTIVENESS SCORE | | 20 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 44 |

| | | |
|---|---|--|
| <input type="checkbox"/> High Priority (30+ points) | <input type="checkbox"/> Medium Priority (25 - 29 points) | <input type="checkbox"/> Low Priority (<25 points) |
|---|---|--|

Completed by
(Name, Title, Phone Number)

Duane Hamilton Executive Director

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | Urbana Rural Fire Department |
| Action or Project | |
| Action/Project Number: | 1.1 |
| Name of Action or Project: | Public Awareness - Distribute informational material to citizens, businesses, and vulnerable population groups on natural hazards and ways to reduce risks. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | | Score |
|---|--|-----------|
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 2 |
| T: Is it Technically feasible and potentially successful? | | 2 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 2 |
| L: Is there Legal authority to implement? | | 0 |
| E: Is it Economically beneficial? | | 1 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 1 |
| Could it be implemented quickly? | | 2 |
| STAPLEE SCORE | | 15 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 25 |

| | | |
|--------------------------------------|--|-------------------------------------|
| High Priority (30+ points) | Medium Priority (25 - 29 points) | Low Priority (<25 points) |
|--------------------------------------|--|-------------------------------------|

Completed by
(Name, Title, Phone Number)

URFD

STAPLEE Worksheet

Name of Jurisdiction: Urbana Rural Fire Department

Action or Project

Action/Project Number: 1.2

Name of Action or Project: **Natural Hazard Awareness** - Work with private sector business organizations and community service organizations to distribute information to the public on natural hazards and resources available to reduce risk.

Mitigation Category: Education and Outreach

| STAPLEE Criteria | Score |
|--|-------|
| Evaluation Rating | |
| Definitely YES = 3 Maybe YES = 2 | |
| Probably NO = 1 Definitely NO = 0 | |

| | |
|---|-----------|
| S: Is it Socially Acceptable | 2 |
| T: Is it Technically feasible and potentially successful? | 2 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | 3 |
| P: Is it Politically acceptable? | 2 |
| L: Is there Legal authority to implement? | 0 |
| E: Is it Economically beneficial? | 1 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | 2 |
| Will historic structures be saved or protected? | 1 |
| Could it be implemented quickly? | 2 |
| STAPLEE SCORE | 15 |

| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
|--|--|-----------|
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 25 |

| | | |
|-------------------------------|-------------------------------------|------------------------------|
| High Priority (30+ points) | Medium Priority (25 - 29 points) | Low Priority (<25 points) |
|-------------------------------|-------------------------------------|------------------------------|

Completed by
(Name, Title, Phone Number)

URFD

STAPLEE Worksheet

Name of Jurisdiction: Urbana Rural Fire Department

Action or Project

Action/Project Number: 1.3

Name of Action or Project: **Citizen Preparedness** - Promote the use of smoke alarms in homes, businesses, and places of public congregation.

Mitigation Category: Education and Outreach

| STAPLEE Criteria | Score |
|--------------------------------------|-------|
| Evaluation Rating | |
| Definitely YES = 3 Maybe YES = 2 | |
| Probably NO = 1 Definitely NO = 0 | |

| | |
|---|-----------|
| S: Is it Socially Acceptable | 2 |
| T: Is it Technically feasible and potentially successful? | 2 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | 3 |
| P: Is it Politically acceptable? | 2 |
| L: Is there Legal authority to implement? | 0 |
| E: Is it Economically beneficial? | 1 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | 2 |
| Will historic structures be saved or protected? | 1 |
| Could it be implemented quickly? | 2 |
| STAPLEE SCORE | 15 |

| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
|--|--|-----------|
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 5 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 5 |
| MITIGATION EFFECTIVENESS SCORE | | 10 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 25 |

| | | |
|-------------------------------|-------------------------------------|------------------------------|
| High Priority (30+ points) | Medium Priority (25 - 29 points) | Low Priority (<25 points) |
|-------------------------------|-------------------------------------|------------------------------|

Completed by
(Name, Title, Phone Number)

URFD

| STAPLEE Worksheet | | |
|--|---|-------|
| Name of Jurisdiction: | Urbana Rural Fire Department | |
| Action or Project | | |
| Action/Project Number: | 3.1 | |
| Name of Action or Project: | Communications Equipment - Provide adequate communications equipment for essential emergency personnel. | |
| Mitigation Category: | Emergency Services | |
| STAPLEE Criteria | | Score |
| Evaluation Rating | | |
| Definitely YES = 3 Maybe YES = 2 | | |
| Probably NO = 1 Definitely NO = 0 | | |
| S: Is it Socially Acceptable | | 2 |
| T: Is it Technically feasible and potentially successful? | | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | | 3 |
| P: Is it Politically acceptable? | | 2 |
| L: Is there Legal authority to implement? | | 0 |
| E: Is it Economically beneficial? | | 1 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | | 2 |
| Will historic structures be saved or protected? | | 2 |
| Could it be implemented quickly? | | 2 |
| STAPLEE SCORE | | 17 |
| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 8 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 8 |
| MITIGATION EFFECTIVENESS SCORE | | 14 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 33 |

| | | |
|--------------------------------------|--|-------------------------------------|
| High Priority (30+ points) | Medium Priority (25 - 29 points) | Low Priority (<25 points) |
|--------------------------------------|--|-------------------------------------|

Completed by
 (Name, Title, Phone Number)

URFD

STAPLEE Worksheet

| | |
|-----------------------------------|--|
| Name of Jurisdiction: | Urbana Rural Fire Department |
| Action or Project | |
| Action/Project Number: | 3.2 |
| Name of Action or Project: | Communication Cooperation - Ensure communication channels and cooperation with surrounding jurisdictions. |
| Mitigation Category: | Education and Outreach |

| STAPLEE Criteria | Score |
|---|-----------|
| Evaluation Rating | |
| Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0 | |
| S: Is it Socially Acceptable | 3 |
| T: Is it Technically feasible and potentially successful? | 3 |
| A: Does the jurisdiction have the Administrative capacity to execute this action? | 2 |
| P: Is it Politically acceptable? | 2 |
| L: Is there Legal authority to implement? | 0 |
| E: Is it Economically beneficial? | 2 |
| E: Will the project have either a neutral or positive impact on the natural Environment ? | 2 |
| Will historic structures be saved or protected? | 2 |
| Could it be implemented quickly? | 2 |
| STAPLEE SCORE | 18 |

| Mitigation Effectiveness Criteria | Evaluation Rating | Score |
|--|--|-----------|
| Will the implemented action result in lives saved? | Assign from 5-10 points based on the likelihood that lives will be saved. | 10 |
| Will the implemented action result in a reduction of disaster damages? | Assign from 5-10 points based on the relative reduction of disaster damages. | 8 |
| MITIGATION EFFECTIVENESS SCORE | | 18 |
| TOTAL SCORE (STAPLEE + Mitigation Effectiveness) | | 36 |

| | | |
|--------------------------------------|--|-------------------------------------|
| High Priority (30+ points) | Medium Priority (25 - 29 points) | Low Priority (<25 points) |
|--------------------------------------|--|-------------------------------------|

Completed by _____
(Name, Title, Phone Number)

URFD