Goal 1	Protect the lives and livelihoods of all citizens
Action 1.8.1	Utilize county road right of ways as firebreaks and snow storage
Jurisdiction	☑ Warren County ☐ Innsbrook ☐ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Reduce distruption to transportation due to hazard events
Hazard(s) Addressed	Heavy snow, wildfires
Action or Project	
Action/Project Number	1.8.1
Action or Project Description	Evaluate use of highway right of way as fire break and snow containment area
Applicable Goal Statement	Protect the lives and livelihoods of all citizens
Estimated Cost	Warren County: Past cost of $2400 labor for evaluation of highway
Benefits	Reduces likelihood of transportation disruptions
Plan for Implementation	
Responsible Organization/ Department	Warren County Commission
Action/Project Priority	Low
Timeline for Completion	NA
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	County EOP, County Road and Bridge Operating Plans
Progress Report	
Action Status	Complete - Sustainment
Report of Progress	The action plan was evaluated and it was determined that existing right of ways adequately serve as firebreaks and snow storage

Goal 1	Protect the lives and livelihoods of all citizens
Action 1.8.2	Maintain an inventory of vulnerable infrastructure
Jurisdiction	☑ Warren ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Emergency planners have low awareness of the number and vulnerability of infrastructure
Hazard(s) Addressed	All hazards
Action or Project	
Action/Project Number	1.8.2
Action or Project Description	To identify critical infrastructure within Warren County
Applicable Goal Statement	Protect the lives and livelihoods of all citizens
Estimated Cost	Warren County: Approximately $30K per year for additional staff to compile and maintain inventory. Zero for all others
Benefits	Reduce loss of life, personal injury, property damage, and increases readiness of emergency responders
Plan for Implementation	
Responsible Organization/ Department	Warren County EMA, County Road and Bridge Department
Action/Project Priority	Low
Timeline for Completion	3 years
Potential Funding Sources	Local funds, Government programs
Local Planning Mechanisms to be used in Implementation, if any	Warren County EOP, County/cities emergency plans, School district emergency plans
Progress Report	
Action Status	Continuing
Report of Progress	County continues to inventory vulnerable structures as work load allows

Goal 1	Protect the lives and livelihoods of all citizens
Action 1.8.3	Maintain an inventory of traffic incidents
Jurisdiction	☑ Warren ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	High risk of accidents on roadways
Hazard(s) Addressed	Transportation, Utility interruptions and power failures
Action or Project	
Action/Project Number	1.8.3
Action or Project Description	Identify high risk sections of roadways and determine how to mitigate the risk
Applicable Goal Statement	Protect the lives and livelihoods of all citizens
Estimated Cost	Past costs: $4,000 BRPC Labor, $520 MoDOT TAC team labor. Zero for all others
Benefits	Reduce loss of life, property damage, and transportation/utility disruption
Plan for Implementation	
Responsible Organization/ Department	MoDOT, Missouri Highway Patrol, County EMA
Action/Project Priority	Medium
Timeline for Completion	3 years
Potential Funding Sources	Local funds, Government programs, MoDOT funds
Local Planning Mechanisms to be used in Implementation, if any	Trasnportation Advisory Committee (TAC) needs list, Regional Transportation Plan
Progress Report	
Action Status	Continuing
Report of Progress	The high risk areas were identified and presented to local jurisdictions and Regional Transportation Advisory Committee. Some of the presented risk areas were considered for remediation. Due to lack of funds most of the high risk areas will not be addressed. However, some were included to the TAC project list.

Goal 2	Manage growth through sustainable principle and practices
Action 2.1.1	Encourage best practices for drought-resistant farming
Jurisdiction	☑ Warren ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	During times of drought, farmers lose valuable cash crops
Hazard(s) Addressed	Drought
Action or Project	
Action/Project Number	2.1.1
Action or Project Description	Encourage drought resistant programs
Applicable Goal Statement	Manage growth through sustainable principle and practices
Estimated Cost	Warren County: $1500/year to maintain EMA website. Zero cost to all other jurisdictions.
Benefits	Reduce loss of crops and dependance on ground water
Plan for Implementation	
Responsible Organization/ Department	Warren County EMA, University Extension Service
Action/Project Priority	Low
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs
Local Planning Mechanisms to be used in Implementation, if any	Mo DNR regulations
Progress Report	
Action Status	Continuing
Report of Progress	County works with Missouri Extension, Missouri Department of Agriculture, USDA and local farm bureaus on promoting best agricultural practices

Goal 2	Manage growth through sustainable principle and practices
Action 2.1.2	Resolve any existing environmental conflicts and take steps to prevent future conflicts
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Conflict resolution between various environmental issues
Hazard(s) Addressed	All hazards
Action or Project	
Action/Project Number	2.1.2
Action or Project Description	Determine what issues exist and how to resolve them
Applicable Goal Statement	Manage growth through sustainable principle and practices
Estimated Cost	Warren County: $1000 per year labor to attend meetings and deliver presentation. Zero for all others
Benefits	Increases quality of life and environmental well-being
Plan for Implementation	
Responsible Organization/ Department	Warren County Planning and Zoning
Action/Project Priority	Low
Timeline for Completion	5 years
Potential Funding Sources	Local funds, Government programs
Local Planning Mechanisms to be used in Implementation, if any	Local memos of understanding, Project environmental assessment reports
Progress Report	
Action Status	Continuing
Report of Progress	Upon evaluation it was determined that there were no open issues. When issues do arise Waren County EMA brings together all stakeholders including EPA and US Corps of Enginners to agree to a solution

Goal 2	Manage growth through sustainable principle and practices
Action 2.1.3	Work with DNR to identify primary maintenance techniques for earthern dams and encourage their use and support periodic inspections of the dams
Jurisdiction	☑ Warren ☑ Innsbrook ☐ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Possibility of dam breach
Hazard(s) Addressed	Dam failure
Action or Project	
Action/Project Number	2.1.3
Action or Project Description	Mitigate possibility pf dam failure and breaching
Applicable Goal Statement	Manage growth through sustainable principle and practices
Estimated Cost	Warren County: $4,000 annually to maintain 35 EAPs. Additional cost to dam owners, including Innsbrook, if additional dam reconstruction is required - None expected. Zero for all others
Benefits	Reduces loss of life, personal injury and property damage
Plan for Implementation	
Responsible Organization/ Department	Warren County EMA, Dam Owners, Innsbrook
Action/Project Priority	Medium
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	DNR Emergency Action Plan
Progress Report	
Action Status	Continuing
Report of Progress	Warren County was the pilot county for DNR earthen dams Emergency action plan (EAP) program. Currently all the high hazards dams have an EAP on file.

Goal 2	Manage growth through sustainable principle and practices
Action 2.2.1	Promote building codes in incorporated areas that currently do not have such regulations
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Unregulated construction is more likely to sustain damage from hazards listed below
Hazard(s) Addressed	Earthquake, Wildfires, Highwinds and Thunderstorms
Action or Project	
Action/Project Number	2.2.1
Action or Project Description	To encourage adoption of building codes in unincorporated areas of Warren County through joint communication efforts with local fire departments
Applicable Goal Statement	Manage growth through sustainable principle and practices
Estimated Cost	$7,000/year for labor and printing spread proportionally between Warren County EMA, Warren County Planning and Zoning, Warrenton Fire Protection District, Wright City Fire Protection District, Marthasville Fire Department
Benefits	Reduce damage from earthquake, wildfires, highwinds and thunderstorms
Plan for Implementation	
Responsible Organization/ Department	Warren County EMA, Warren County Planning and Zoning, Warrenton Fire Protection District, Wright City Fire Protection District, Marthasville Fire Department,
Action/Project Priority	Medium
Timeline for Completion	5 years
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	Planning and zoning regulations
Progress Report	
Action Status	Continuing
Report of Progress	While Warren county has planning & zoning regulations in place, the adoption and enforcement of building codes are up to the local fire districts/fire departments

Goal 2	Manage growth through sustainable principle and practices
Action 2.2.2	Implement measures to increase the county's CRS status
Jurisdiction	☑ Warren County ☐ Innsbrook ☐ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Reduce the high cost of property loss due to floods
Hazard(s) Addressed	Floods
Action or Project	
Action/Project Number	2.2.2
Action or Project Description	Increase City and County CRS scores to qualify for lower flood insurance
Applicable Goal Statement	Manage growth through sustainable principle and practices
Estimated Cost	Warren County: $6500 labor, $1000 website updates, $1200 communications tools
Benefits	Up to 45% lower flood insurance rates for residents in designated Special Flood Hazard Areas, up to 10% for non-Special Flood Hazard Areas.
Plan for Implementation	
Responsible Organization/ Department	Warren County Floodplain Manager, County Planning and Zoning, County EMD
Action/Project Priority	Low
Timeline for Completion	3 years
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	Building codes, local directives, CRS applications and related documents
Progress Report	
Action Status	Continuing
Report of Progress	Two sites in the county were evaluated for the CRS program. It was determined that the cost/benefit ratio was too high to warrant additional effort. The committee requested that the county ask CRS for another evaluation.

Goal 2	Manage growth through sustainable principle and practices
Action 2.2.3	To reduce the effects of flash flooding and drought, promote construction & use practices that facilitate rainwater percolation into local water tables
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Lack of containment of runoff and drought resistance
Hazard(s) Addressed	Drought, Floods, Flash floods
Action or Project	
Action/Project Number	2.2.3
Action or Project Description	Promote construction & use practices. Utilize natural and manmade reservoirs to catch and contain runoff
Applicable Goal Statement	Manage growth through sustainable principle and practices
Estimated Cost	Warren County: $3,000/year labor and printing, $5,000/year shared between jurisdictions named above.
Benefits	Less soil erosion and related damage plus replenishment of ground water to percolation
Plan for Implementation	
Responsible Organization/ Department	Warren County, Boards of Aldermen of Truesdale, Wright City, Pendleton, Marthasville, Innsbrook, School Administrators of Washington, Wright City, Gasconade, Warrenton school districts, DNR, USDA
Action/Project Priority	Low
Timeline for Completion	5 years
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	Land use, Planning and Zoning
Progress Report	
Action Status	Not started
Report of Progress	County doesn't have any regulations in place.

Goal 3	Ensure continued operation of government and emergency functions in a disaster
Action 3.1.1	Review, prioritize, institute and monitor needed upgrades or retrofits for critical buildings and infrastructure
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Critical buildings and infrastructure require hardening and technology upgrades
Hazard(s) Addressed	All hazards
Action or Project	
Action/Project Number	3.1.1
Action or Project Description	To inventory building requirements
Applicable Goal Statement	Ensure continued operation of government and emergency functions in a disaster
Estimated Cost	Warren County: $3120 one time physical inventory, $1200 annually to update. Zero costs to other jurisdictions.
Benefits	Ensure continued readiness of community anchor institutions.
Plan for Implementation	
Responsible Organization/ Department	Warren County EMD
Action/Project Priority	Low
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs
Local Planning Mechanisms to be used in Implementation, if any	County EOP
Progress Report	
Action Status	Continuing
Report of Progress	Physical inventory was conducted in 2014. Cities and fire districts continue to monitor needed upgrades or retrofits for critical buildings, and infrastructure. Improvements require additional funding sources.

Goal 3	Ensure continued operation of government and emergency functions in a disaster
Action 3.1.2	Review emergency access routes and evacuation routes and mitigate any problem areas
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Emergency evacuation routes maybe blocked during emergencies
Hazard(s) Addressed	All hazards
Action or Project	
Action/Project Number	3.1.2
Action or Project Description	Identify potentional blockages and work with local authorities
Applicable Goal Statement	Ensure continued operation of government and emergency functions in a disaster
Estimated Cost	Warren County: $500/year labor to review routes, plus volunteer time. Zero for all others
Benefits	Reduce likelihood of transportation disruptions during emergency egress
Plan for Implementation	
Responsible Organization/ Department	Warren County EMA, Innsbrook, Truesdale, Warrenton, Wright City, Pendleton, Marthasville, School Districts of Warren County R-III, Wright City R-II, Washington City, and Gasconade R-I.
Action/Project Priority	Low
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs
Local Planning Mechanisms to be used in Implementation, if any	County EOP
Progress Report	
Action Status	Continuing
Report of Progress	Warren county works with emergency first responders to identify hazard issues, potential access & evacuation routes

Goal 3	Ensure continued operation of government and emergency functions in a disaster
Action 3.1.3	Maintain essential public services
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Government and emergency operations may not be able to function following a disaster
Hazard(s) Addressed	All hazards
Action or Project	
Action/Project Number	3.1.3
Action or Project Description	To validate emergency operation plans of utility providers
Applicable Goal Statement	Ensure continued operation of government and emergency functions in a disaster
Estimated Cost	Warren County: $1500/year labor to review EOPS of Utilities. Zero for all others
Benefits	Increases readiness of emergency responders
Plan for Implementation	
Responsible Organization/ Department	County EMA, Utility providers
Action/Project Priority	Low
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	County EOP
Progress Report	
Action Status	Continuing
Report of Progress	County emergency management agency and first responders work closely with public service utility companies on plans to maintain services after a disaster

Goal 3	Ensure continued operation of government and emergency functions in a disaster
Action 3.1.4	Maintain an inventory of levees in the county
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Flooding due to levee failure
Hazard(s) Addressed	Levee failure
Action or Project	
Action/Project Number	3.1.4
Action or Project Description	Inventory levees in the county
Applicable Goal Statement	Ensure continued operation of government and emergency functions in a disaster
Estimated Cost	Warren County: $1000/year labor. Zero for all others
Benefits	Increases readiness, reduces likelihood of levee failure
Plan for Implementation	
Responsible Organization/ Department	Warren County EMA, Warren County Floodplain Manager, and the following levee districts; Tri-County, Mo Valley, Tuque Creek, Three Creeks, Haid, and Berger Bottoms
Action/Project Priority	Medium
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	Levee Emergency Action Plans, County EOP
Progress Report	
Action Status	Continuing
Report of Progress	County emergency management agency and floodplain manager closely work with levee districts to support the levee emergency action plans

Goal 3	Ensure continued operation of government and emergency functions in a disaster
Action 3.2.1	Identify, review, and implement mechanisms to foster collaboration among jurisdictions, agencies, special districts and private industry
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Ability to respond to disasters is limited to inability to communicate between jurisdictions
Hazard(s) Addressed	All hazards
Action or Project	
Action/Project Number	3.2.1
Action or Project Description	Determine ways to improve communication between jurisdictions
Applicable Goal Statement	Ensure continued operation of government and emergency functions in a disaster
Estimated Cost	Warren County: $2500/year labor. Zero for all others
Benefits	Increase readiness and effectiveness of emergency reponse
Plan for Implementation	
Responsible Organization/ Department	Warren County EMA
Action/Project Priority	Low
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs & private funding
Local Planning Mechanisms to be used in Implementation, if any	County EOP
Progress Report	
Action Status	Continuing
Report of Progress	County emergency management agency meets regularly with local jurisdictions to promote collaboration

Goal 3	Ensure continued operation of government and emergency functions in a disaster
Action 3.2.2	Improve planning, funding, and response coordination
Jurisdiction	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington
Risk/Vulnerability	
Problem being mitigated	Ability to respond to disasters
Hazard(s) Addressed	All hazards
Action or Project	
Action/Project Number	3.2.2
Action or Project Description	Determine ways to improve coordination between jurisdictions
Applicable Goal Statement	Ensure continued operation of government and emergency functions in a disaster
Estimated Cost	Warren County: $2300/year labor. Zero for all others
Benefits	Increase readiness and effectiveness of emergency reponse
Plan for Implementation	
Responsible Organization/ Department	Warren County EMD
Action/Project Priority	Low
Timeline for Completion	Continuing
Potential Funding Sources	Local funds, Government programs
Local Planning Mechanisms to be used in Implementation, if any	County EOP
Progress Report	
Action Status	Continuing
Report of Progress	County works with local jurisdictions and local agencies to identify needs and potential fundign sources through grants

5 PLAN MAINTENANCE PROCESS

5 PLAN MAINTENANCE PROCESS 1

5.1 Monitoring, Evaluating, and Updating the Plan 1

5.1.1 Responsibility for Plan Maintenance 1

5.1.2 Plan Maintenance Schedule 1

5.1.3 Plan Maintenance Process 2

5.2 Incorporation into Existing Planning Mechanisms 3

5.3 Continued Public Involvement 3

This chapter provides an overview of the overall strategy for plan maintenance and outlines the method and schedule for monitoring, updating and evaluating the plan. The chapter also discusses incorporating the plan into existing planning mechanisms and how to address continued public involvement.

5.1 Monitoring, Evaluating, and Updating the Plan

44 CFR Requirement 201.6(c)(4): The plan maintenance process shall include a section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.

5.1.1 Responsibility for Plan Maintenance

The Warren County Hazard Mitigation Planning Committee (MPC) is not a standing committee, and therefore the responsibility for maintenance of the plan actions is delegated to individuals or entities as indicated in Section 4 of this document. These entities are responsible for seeing that the actions placed into the plan are eventually implemented, if possible, and will be tasked with monitoring, evaluating, and maintaining the plan. BRPC coordinates with the County Emergency Management Director and the participating jurisdictions during the plan maintenance process and will coordinate any meetings that may be required.

5.1.2 Plan Maintenance Schedule

The Warren County Emergency Management Director will be responsible for initiating the plan reviews and will invite members of the MPC (or other designated responsible entity) to the meeting as necessary.

In coordination with all participating jurisdictions, a five-year written update of the plan will be submitted to the Missouri State Emergency Management Agency (SEMA) and FEMA Region VII per Requirement §201.6(c)(4)(i) of the Disaster Mitigation Act of 2000, unless disaster or other circumstances (e.g., changing regulations) require a change to this schedule.

5.1.3 Plan Maintenance Process

Progress on the proposed actions can be monitored by evaluating changes in vulnerabilities identified in the plan.

Future 5-year updates to this plan will include the following activities:

- Consideration of changes in vulnerability due to action implementation,
- Documentation of success stories where mitigation efforts have proven effective,
- Documentation of unsuccessful mitigation actions and why the actions were not effective,
- Documentation of previously overlooked hazard events that may have occurred since the previous plan approval,
- Incorporation of new data or studies with information on hazard risks,
- Incorporation of new capabilities or changes in capabilities,
- Incorporation of growth data and changes to inventories, and
- Incorporation of ideas for new actions and changes in action prioritization.

In order to best evaluate any changes in vulnerability as a result of plan implementation, the participating jurisdictions will adopt the following process:

- Each proposed action in the plan identified an individual, office, or agency responsible for action implementation. This entity will track and report on an annual basis to the jurisdictional MPC (or designated responsible entity) member on action status. The entity will provide input on whether the action as implemented meets the defined objectives and is likely to be successful in reducing risk.
- If the action does not meet identified objectives, the jurisdictional MPC (or designated responsible entity) member will determine necessary remedial action, making any required modifications to the plan.

Changes will be made to the plan to remedy actions that have failed or are not considered feasible. Feasibility will be determined after a review of action consistency with established criteria, time frame, community priorities, and/or funding resources. Actions that were not ranked high but were identified as potential mitigation activities will be reviewed as well during the monitoring of this plan. Updating of the plan will be accomplished by written changes and submissions, as the (MPC or designated responsible entity) deems appropriate and necessary. Changes will be approved by the Warren County Board of Commissioners and the governing boards of the other participating jurisdictions.

5.2 Incorporation into Existing Planning Mechanisms

44 CFR Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

Where possible, plan participants will use existing plans and/or programs to implement hazard mitigation actions. Based on the capability assessments of the participating jurisdictions, communities in Warren County will continue to plan and implement programs to reduce loss of life and property from hazards. This plan builds upon the momentum developed through previous related planning efforts and mitigation programs, and recommends implementing actions, where possible, through the following means:

- Warren County Master Plan 2003
- Warren County Emergency Operations Plan 2012
- Comprehensive Economic Development Strategy 2014
- Regional Transportation Plan 2009
- Threat and Hazard Identification and Risk Assessment (THIRA) 2016
- Warren County Storm Water Regulation

The governing bodies of the jurisdictions adopting this plan will encourage all other relevant planning mechanisms under their authority to consult this plan to ensure minimization of risk to natural hazards as well as coordination of activities.

The Warren County EMD and the Boonslick Regional Planning Commission will be responsible for integrating the findings and actions of the mitigation plan, as appropriate.

5.3 Continued Public Involvement

44 CFR Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan maintenance process.

The hazard mitigation plan update process provides an opportunity to publicize success stories resulting from the plan's implementation and seek additional public comment. Information about the annual reviews will be posted in the local newspaper as well as on the Warren County website following each annual review of the mitigation plan. When the MPC reconvenes for the five-year update, it will coordinate with all stakeholders participating in the planning process. Included in this group will be those who joined the MPC after the initial effort, to update and revise the plan. Public notice will be posted and public participation will be actively solicited, at a minimum, through available website postings and press releases to local media outlets, primarily newspapers.

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Warren County, Missouri - ORDER NO. 01-2016

A ORDER OF THE COUNTY OF WARREN ADOPTING THE
WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS *Warren County* recognizes the threat that natural hazards pose to people and property within the *County of Warren* and

WHEREAS *Warren County* has participated in the preparation of a multi- hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016),* hereafter referred to as the *Plan,* in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *County of Warren* from the impacts of future hazards and disasters; and

WHEREAS *Warren County* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, *Warren County* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by *Warren County* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE COUNTY OF WARREN, in the State of Missouri, THAT:

Section 1. In accordance with the *County of Warren, the Warren County Commission, Warren County* adopts the *Plan.*

ADOPTED by a vote of 2 in favor and 0 against, and 0 abstaining, this 18th day of August, 2016.

By (Sig): Roger R. Mauzy, SR.
Print name: Roger Mauzy, Sr., Presiding Commissioner

ATTEST:
By (Sig.): Barbara Daly
Print name: Barbara Daly, Warren County Clerk

RESOLUTION NO. 2016-1

A RESOLUTION OF THE VILLAGE OF INNSBROOK ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS, the Village of Innsbrook recognizes the threat that natural hazards pose to people and property within the Village of Innsbrook; and

WHEREAS, the Village of Innsbrook has participated in the preparation of a multi- hazard mitigation plan, hereby known as the Warren County All-Hazard Mitigation Plan (Updated 2016), hereafter referred to as the Plan, in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, the Plan identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the Village of Innsbrook from the impacts of future hazards and disasters; and

WHEREAS, the Village of Innsbrook recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the Village of Innsbrook will endeavor to integrate the Plan into the comprehensive planning process and

WHEREAS, adoption by the Village of Innsbrook demonstrates their commitment to hazard mitigation and achieving the goals outlined in the Plan

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE VILLAGE OF INNSBROOK, MISSOURI, THAT:

Section 1. In accordance with the Village of Innsbrook, Board of Trustees, the Village of Innsbrook adopts the Plan.

Approved and adopted this 13th day of September, 2016.

Jeffry S. Thomsen, Chairman
Village of Innsbrook Board of Trustees

Attest:

Carla Heggemann,
Village Administrator/Clerk

RESOLUTION

A RESOLUTION OF THE CITY OF MARTHASVILLE ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS, the *City of Marthasville* recognizes the threat that natural hazards pose to people and property within the *City of Marthasville*; and

WHEREAS the *City of Marthasville* has participated in the preparation of a multi- hazard mitigation plan, hereby ,known as the *Warren County All-Hazard Mitigation Plan (Updated 2016),* hereafter referred to as the *Plan,* in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *City of Marthasville* from the impacts of future hazards and disasters; and

WHEREAS, the *City of Marthasville* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *City of Marthasville* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS, adoption by the *City of Marthasville* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW, THEREFORE, BE IT RESOLVED by the City of Marthasville, in the State of Missouri, THAT:

Section 1. In accordance with the *City of Marthasville, Board of Alderman, the City of Marthasville* adopts the *Plan.*

ADOPTED by a vote of 4 in favor and 0 against, and 0 abstaining, this 17th day of August, 2016.

By (Sig): _____

Print name: Daniel Grafrath, President of Board of Alderman

ATTEST:

By (Sig.): _____

Print name: Lisa Irwin, City Clerk

APPROVED AS TO FORM:

By (Sig.): _____

Print name: David Lange, Mayor

Village of Pendleton, Missouri RESOLUTION NO. 9-12-16

A RESOLUTION OF THE VILLAGE OF PENDLETON ADOPTING THE
WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS the *Village of Pendleton* recognizes the threat that natural hazards pose to people and property within the *Village of Pendleton*; and

WHEREAS the *Village of Pendleton* has participated in the preparation of a multi- hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016),* hereafter referred to as the *Plan,* in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *Village of Pendleton* from the impacts of future hazards and disasters; and

WHEREAS the *Village of Pendleton* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *Village of Pendleton* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by the *Village of Pendleton* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE VILLAGE OF PENDLETON, in the State of Missouri, THAT:

Section 1. In accordance with the *Village of Pendleton, Board of Trustees, the Village of Pendleton* adopts the *Plan*.

ADOPTED by a vote of 4 in favor and 0 against, and 0 abstaining, this 12 day of Sept, 2016.

By (Sig): Christopher A. Rottelaum Sr.
Print name: Christopher A. Rottelaum SR.

ATTEST:
By (Sig.): Rebecca Kilpatrick
Print name: Rebecca Kilpatrick

APPROVED AS TO FORM:
By (Sig.): _____
Print name: _____

City of Truesdale, Missouri RESOLUTION NO. 2016-2

A RESOLUTION OF THE CITY OF TRUESDALE ADOPTING THE
WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS the *City of Truesdale* recognizes the threat that natural hazards pose to people and property within the *City of Truesdale*; and

WHEREAS the *City of Truesdale* has participated in the preparation of a multi- hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016)*, hereafter referred to as the *Plan*, in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *City of Truesdale* from the impacts of future hazards and disasters; and

WHEREAS the *City of Truesdale* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *City of Truesdale* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by the *City of Truesdale* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE CITY OF TRUESDALE, in the State of Missouri, THAT:

Section 1. In accordance with the *City of Truesdale, Board of Alderman, the City of Truesdale* adopts the *Plan*.

ADOPTED by a vote of 4 in favor and 0 against, and 0 abstaining, this 24th day of August, 2016.

By (Sig): Murray A Bruer
Murray A. Bruer
Mayor
Print name: Murray A. Bruer

ATTEST:
By (Sig.): MaryLou Rainwater
MaryLou Rainwater
Administrator/Clerk
Print name: MaryLou Rainwater

APPROVED AS TO FORM:
By (Sig.): _____
Print name: _____

RESOLUTION NO. 318

A RESOLUTION OF THE CITY OF WARRENTON, MISSIOURI, ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS, the *City of Warrenton* recognizes the threat that natural hazards pose to people and property within the *City of Warrenton*; and

WHEREAS, the *City of Warrenton* has participated in the preparation of a multi-hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016),* hereafter referred to as the *Plan,* in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS, the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *City of Warrenton* from the impacts of future hazards and disasters; and

WHEREAS, the *City of Warrenton* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *City of Warrenton* will endeavor to integrate the *Plan* into the comprehensive planning process; and

WHEREAS, adoption by the *City of Warrenton* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF ALDERMEN OF THE CITY OF WARRENTON, MISSOURI, AS FOLLOWS:

Section 1. In accordance with the *City of Warrenton, Board of Alderman, the City of Warrenton* adopts the *Plan.*

PASSED BY THE BOARD OF ALDERMEN THIS 16th DAY OF AUGUST, 2016.

President of the Board of Aldermen

APPROVED BY THE MAYOR of the City of Warrenton, Missouri, this 16th day of August, 2016.

Mayor

ATTEST:

City Clerk

City of Wright City, Missouri **RESOLUTION NO. 31-16**

A RESOLUTION OF THE CITY OF WRIGHT CITY ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS the *City of Wright City* recognizes the threat that natural hazards pose to people and property within the *City of Wright City*; and

WHEREAS the *City of Wright City* has participated in the preparation of a multi- hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016)*, hereafter referred to as the *Plan*, in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *City of Wright City* from the impacts of future hazards and disasters; and

WHEREAS the *City of Wright City* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *City of Wright City* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by the *City of Wright City* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE CITY OF WRIGHT CITY, in the State of Missouri, THAT:

Section 1. In accordance with the *City of Wright City, Board of Alderman, the City of Wright City* adopts the *Plan*.

ADOPTED by a vote of ____in favor and ____against, and ____abstaining, this 25th day of August, 2016.

By (Sig): _____
Print name: David Heiliger

ATTEST:
By (Sig.): _____
Print name: Christine Martin

APPROVED AS TO FORM:
By (Sig.): _____
Print name: Parv Rost

08/22/2016 MON 14:58 FAX ☑001/001

Gasconade County R-I School District, Missouri

RESOLUTION NO. 1

A RESOLUTION OF THE GASCONADE COUNTY R-I SCHOOL DISTRICT ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS the *Gasconade County R-I School District School District* recognizes the threat that natural hazards pose to people and property within the *Gasconade County R-I School District*; and

WHEREAS the *Gasconade County R-I School District* has participated in the preparation of a multi-hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016)*, hereafter referred to as the *Plan*, in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *Gasconade County R-I School District* from the impacts of future hazards and disasters; and

WHEREAS the *Gasconade County R-I School District* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *Gasconade County R-I School District* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by the *Gasconade County R-I School District* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE GASCONADE COUNTY R-I SCHOOL DISTRICT, in the State of Missouri, THAT:

Section 1. In accordance with the *Gasconade County R-I School District, School Board, the Gasconade County R-I School District* adopts the *Plan*.

ADOPTED by a vote of 7 in favor and 0 against, and 0 abstaining, this 18th day of August, 2016.

By (Sig): Craig P. Schannuth
Print name: CRAIG P. SCHANNUTH

ATTEST:
By (Sig.): Tracey Hankins
Print name: Tracey Hankins

APPROVED AS TO FORM:
By (Sig.): _____
Print name: _____

Warren County R-III School District, Missouri RESOLUTION

NO. _____

A RESOLUTION OF THE WARREN COUNTY R-III SCHOOL DISTRICT ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS the *Warren County R-III School District* recognizes the threat that natural hazards pose to people and property within the *Warren County R-III School District*; and

WHEREAS the *Warren County R-III School District* has participated in the preparation of a multi-hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016),* hereafter referred to as the *Plan,* in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *Warren County R-III School District* from the impacts of future hazards and disasters; and

WHEREAS the *Warren County R-III School District* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *Warren County R-III School District* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by the *Warren County R-III School District* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE WARREN COUNTY R-III SCHOOL DISTRICT, in the State of Missouri, THAT:

Section 1. In accordance with the *Warren County R-III School District, School Board, the Warren County R-III School District* adopts the *Plan.*

ADOPTED by a vote of 7 in favor and 0 against, and _____ abstaining, this 8th day of September, 2016.

By (Sig): _____

Print name: Jim Chandler

ATTEST:

By (Sig.): _____

Print name: _____

APPROVED AS TO FORM:

By (Sig.): _____

Print name: _____

Washington School District, Missouri RESOLUTION No.

082416-1

A RESOLUTION OF THE WASHINGTON SCHOOL DISTRICT ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS the *Washington School District* recognizes the threat that natural hazards pose to people and property within the *Washington School District;* and

WHEREAS the *Washington School District* has participated in the preparation of a multi-hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016),* hereafter referred to the *Plan*, in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *Washington School District* from the impacts of future hazards and disasters; and

WHEREAS the *Washington School District* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *Washington School District* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by the *Washington School District* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE WASHINGTON SCHOOL DISTRICT, in the State of Missouri, THAT:

Section 1. In accordance with the *Washington School District School Board, the Washington School District* adopts the *Plan.*

ADOPTED by a vote of 6 in favor and 0 against, and — abstaining, this 24 day of August, 2016.

By (Sig): [signature]
Print Name: DANIEL CONTRERAS
Title: PRESIDENT

ATTEST:
By (Sig): Rebecca Voelkerding
Print Name: Rebecca Voelkerding
Title: School Board Secretary

Wright City R-II School District, Missouri RESOLUTION NO.

_____

A RESOLUTION OF THE WRIGHT CITY R-II SCHOOL DISTRICT ADOPTING THE WARREN COUNTY ALL-HAZARD MITIGATION PLAN (UPDATED 2016)

WHEREAS the *Wright City R-II School District School District* recognizes the threat that natural hazards pose to people and property within the *Wright City R-II School District*; and

WHEREAS the *Wright City R-II School District* has participated in the preparation of a multi- hazard mitigation plan, hereby known as the *Warren County All-Hazard Mitigation Plan (Updated 2016)*, hereafter referred to as the *Plan*, in accordance with the Disaster Mitigation Act of 2000; and

WHEREAS the *Plan* identifies mitigation goals and actions to reduce or eliminate long-term risk to people and property in the *Wright City R-II School District* from the impacts of future hazards and disasters; and

WHEREAS the *Wright City R-II School District* recognizes that land use policies have a major impact on whether people and property are exposed to natural hazards, the *Wright City R-II School District* will endeavor to integrate the *Plan* into the comprehensive planning process and

WHEREAS adoption by the *Wright City R-II School District* demonstrates their commitment to hazard mitigation and achieving the goals outlined in the *Plan*

NOW THEREFORE, BE IT RESOLVED BY THE WRIGHT CITY R-II SCHOOL DISTRICT, in the State of Missouri, THAT:

Section 1. In accordance with the *Wright City R-II School District, School Board, the Wright City R-II School District* adopts the *Plan*.

ADOPTED by a vote of 5 in favor and 0 against, and 0 abstaining, this 22 day of Sept, 2016.

By (Sig): Austin Jones
Print name: AUSTIN JONES

ATTEST:
By (Sig.): Jill H. Sinnot
Print name: JILL H. SINNOT

APPROVED AS TO FORM:
By (Sig.): _____
Print name: _____

Mark Cunningham

From:	Mark Cunningham
Sent:	Thursday, March 10, 2016 12:09 PM
To:	'katie.beall@redcross.org'; 'rberry@warrencounty911.org'; 'montemd@mcmo.us'; Tim Schmidt (tschmidt@warrencountyrecord.com); 'David.Buck@wrightcity.k12.mo.us'; 'tbutler@CriderCenter.org'; 'aellard@warrencounty911.org'; 'EMD@lcmoema.com'; 'meskew@wcpd-mo.org'; 'jfeast@ameren.com'; 'mflake@warrencountymo.org'; 'dhampson@warrencountymo.org'; 'kharrison@warrencountymo.org'; 'wcadmin@centurytel.net'; 'Tony.G.Hoffman@CenturyLink.com'; 'ghomeyer@homeyertool.com'; 'ghoudyshell@warrenton-mo.org'; 'khurd@cuivre.com'; 'andrew059@centurytel.net'; 'mpd300@yahoo.com'; 'hkluesner@warrencountymo.org'; 'ema@sccmo.org'; 'mayor.marthasville@yahoo.com'; 'rmacknight@wrightcityfire.com'; 'tmatthews@wrightcity.org'; 'rmauzy@warrencountymo.org'; 'wfpd1400@warrenton-fire.org'; 'pirrungkp@warrencor3.k12.mo.us'; 'clerktr@yahoo.com'; 'EROMO@ALLIANCEWATER.COM'; 'mschlenther@warrenton-mo.org'; 'Eschleuter@warrenton-mo.org'; 'Jocelyn.Schluss@washington.k12.mo.us'; 'recnews@centurytel.net'; JoAnn Toerper; 'eddie.trower@chartercom.com'; 'Ed Varno'; 'katherine.vigil@redcross.org'; 'rwalters@warrencountymo.org'; Tim Schmidt (tschmidt@warrencountyrecord.com); 'chandlerjw@warrencor3.k12.mo.us'; 'fcema@franklinmo.net'; 'mdaniels@warrencountymo.org'; 'teversmeyer@warrencountymo.org'; 'marthasvillechief2102@gmail.com'; 'ggevers@warrenton-mo.org'; 'econdevelop@wrightcity.org'; 'innsbrookcity@centurytel.net'; 'cityclerkofmarthasville@yahoo.com'; 'mrugh@warrenton-mo.org'; 'rust1102@hotmail.com'; 'jack.sanford@wrightcity.k12.mo.us'; 'schowejm@warrencor3.k12.mo.us'; 'Timothy Schroeder'; 'jsthomsen@centurytel.net'; 'tthorn@warrenton-mo.org'
Cc:	Chad Eggen (ceggen@boonslick.org); Krishna Kunapareddy (krishna@boonslick.org)
Subject:	Warren County Hazard Mitigation Plan Update
Attachments:	EMA Letterhead Warren County With Invitation.pdf

Please see the attached note regarding Warren County's Hazard Mitigation Plan Update from Mike Daniels, Warren County Emergency Management Director. Thanks,

Mark A. Cunningham, Planner
Boonslick Regional Planning Commission
Region C Homeland Security Oversight Committee (RHSOC)
Hazard Mitigation Planning / Wheels To Work Revolving Loan
111 Steinhagen Road, P.O. Box 429, Warrenton, MO 63383
Phone (636) 456-3473 / Cell (314) 800-6230 Tue / Wed / Thurs: 0800 - 1630
http://www.boonslick.org/

101 Mockingbird Lane, Suite 101
Warrenton, MO 63383
Phone: (636) 456-3786
Fax: (636) 456-1 686
Cell: (636) 359-0370
E-mail: mdaniels@ warrencounty1110.org
www.warrencountyema.com

WARREN COUNTY MISSOURI
EMERGENCY MANAGEMENT AGENCY

March 8, 2016

RE: Warren County Hazard Mitigation Plan Update

Greetings,

The Missouri State Emergency Management Agency has contracted with Boonslick Regional Planning Commission (BRPC) to update the Natural Hazard Mitigation Plan for Warren County including all incorporated municipalities and school districts within the county. The purpose of this plan is to reduce or eliminate long term risk to the people and property of the County from the effects of natural hazard events. This approach will ensure that our local governments remain eligible for all disaster recovery assistance possible.

BRPC will facilitate the planning process, collect the necessary data, and perform other technical services, including preparing risk assessment and plan documents. However, BRPC will need your help to successfully complete this project.

The hazard mitigation planning process is heavily dependent on the participation of representatives from local government agencies and departments, the public, and other stakeholder groups. A Hazard Mitigation Planning Committee will be formed to support this project and will include representatives from the county, communities, school districts, and other agencies in or that serve Warren County.

To remain eligible for future hazard mitigation funds all city and county government and school districts MUST participate in the planning process and formally adopt the plan upon its completion. Your organization's participation on the committee is requested due to your ability to contribute needed information, technical knowledge, or other valuable experience to the plan.

If you cannot participate, please designate a representative to serve on the committee and attend the kickoff meeting, which will discuss the benefits of developing a hazard mitigation plan, the project schedule and the hazards that affect Warren County. The length and number of meetings will be kept to a minimum to respect your time commitments.

Warren County Hazard Mitigation Plan Kickoff Meeting
March 30, 2016 – 10am to Noon
Warren County Emergency Operations Center
101 Mockingbird Lane, Suite 103, Warrenton, MO 63383

Please respond with the name and contact information of the person who will attend the kickoff meeting on behalf of your community by contacting Mark Cunningham via telephone (636) 456-3473 or via e-mail at mcunningham@boonslick.org.

Sincerely,

Michael Daniels, Director

BOONSLICK REGIONAL
PLANNING COMMISSION

LINCOLN COUNTY
Chain of Rocks
Elsberry
Foley
Fountain N Lakes
Hawk Point
Moscow Mills
Old Monroe
Silex
Troy
Truxton
Whiteside
Winfield

MONTGOMERY COUNTY
Bellflower
High Hill
Jonesburg
McKittrick
Middletown
Montgomery City
New Florence
Rhineland
Wellsville

WARREN COUNTY
Innsbrook
Marthasvillle
Pendleton
Truesdale
Warrenton
Wright City

Established: May 27, 1968

PO Box 429
111 Steinhagen Road
Warrenton, MO 63383-2103
Ph: (636) 456-3473
Fax: (636) 456-2329
www.boonslick.org

For Immediate Release
March 10, 2016
Contact: Ms. Krishnapriya Kunapareddy, Sr. Planner; Boonslick Regional Planning Commission

Warren County Hazard Mitigation Update Planning Begins

The Warren County Emergency Management Agency, in association with the Boonslick Regional Planning Commission, is beginning the process of updating the County's Natural Hazard Mitigation Plan. The purpose of the plan is to reduce or eliminate long term risk to the people and property of the County from the effects of natural hazard events. This approach will ensure that the County's local governments remain eligible for all possible disaster recovery assistance. The plan covers all incorporated municipalities and school districts within the County.

Boonslick Regional Planning Commission (BRPC) will facilitate the planning process, collect the necessary data, and perform other technical services, including preparing risk assessment and plan documents. The hazard mitigation planning process is heavily dependent on the participation of representatives from local government agencies and departments, the public, and other stakeholder groups.

A Hazard Mitigation Planning Committee kick-off meeting will be held in Room 103 at the Warren County Administration Building, 101 Mockingbird Lane, Warrenton; at 10am on March 30th. Invitations have been sent to representatives from the county, communities, school districts, and other agencies in or that serve Warren County. The general public is invited as well.

To remain eligible for future hazard mitigation funds all city and county government and school districts MUST participate in the planning process and formally adopt the plan upon its completion in late 2016.

###

BOONSLICK REGIONAL
PLANNING COMMISSION

LINCOLN COUNTY
Chain of Rocks
Elsberry
Foley
Fountain N Lakes
Hawk Point
Moscow Mills
Old Monroe
Silex
Troy
Truxton
Whiteside
Winfield

MONTGOMERY COUNTY
Bellflower
High Hill
Jonesburg
McKittrick
Middletown
Montgomery City
New Florence
Rhineland
Wellsville

WARREN COUNTY
Innsbrook
Marthasville
Pendleton
Truesdale
Warrenton
Wright City

Established May 27, 1968

PO Box429
111 Steinhagen
Warrenton, MO 63383
Ph: (636)456-3473
Fax; (636-456-2329
www.boonslick.org

Boonslick Regional Planning Commission

Warren County Hazard Mitigation Planning Kick-Off Meeting

Wednesday, March 30, 2016

Notice is hereby given that the Boonslick Regional Planning Commission, in association with the Warren County Emergency Management Agency; will conduct a kick-off meeting of the Warren County Hazard Mitigation Update at the Warren County Administration Building, 101 Mockingbird Lane, Room 103, Warrenton, Missouri on Wednesday, March 30, 2016. The meeting will commence at 10am and end no later than noon.

AGENDA

1. Welcome
2. Introduction to Hazard Mitigation Planning Update Process
3. Background of current Plan
4. Requirements and Expectations for the committee
5. Next Meeting

Posted: Thursday, March 10, 2016

(Space above for recording information)

AFFIDAVIT OF PUBLICATION

Date: MAR 2 6 2016

STATE OF MISSOURI)
COUNTY OF Warren) ss.

I, William L. Miller, Sr., being duly sworn according to law, state that I am the Publisher of Warren County Record, (formerly the Marthasville Record), a weekly newspaper of general circulation in the County of Warren, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Marthasville, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bona fide subscribers, voluntarily engaged as such who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper in the following consecutive issues:

1st Insertion: Vol. 118 No. 44, 17 day of Mar 2016
2nd Insertion: Vol. 118 No. 45, 24 day of Mar 2016
3rd Insertion: Vol. _____ No. _____, _____ day of ____20__
4th Insertion: Vol. _____ No. _____, _____ day of ____20__

Publisher's Signature

Subscribed and sworn to before me on this 28th day of March, 20 16.

Jeanine L. York
Notary Public

NOTARY PUBLIC NOTARY SEAL STATE OF MISSOURI

JEANINE L. YORK
My Commission Expires
October 14, 2016
Franklin County
Commission #12541766

Affidavit of Publication
Continuation Page 2

All attached to this sheet hold the same bonds as on page one of this document.
As published in
Warren County Record
(formerly the Marthasville Record).

HAZARD MITIGATION UPDATE PLANNING

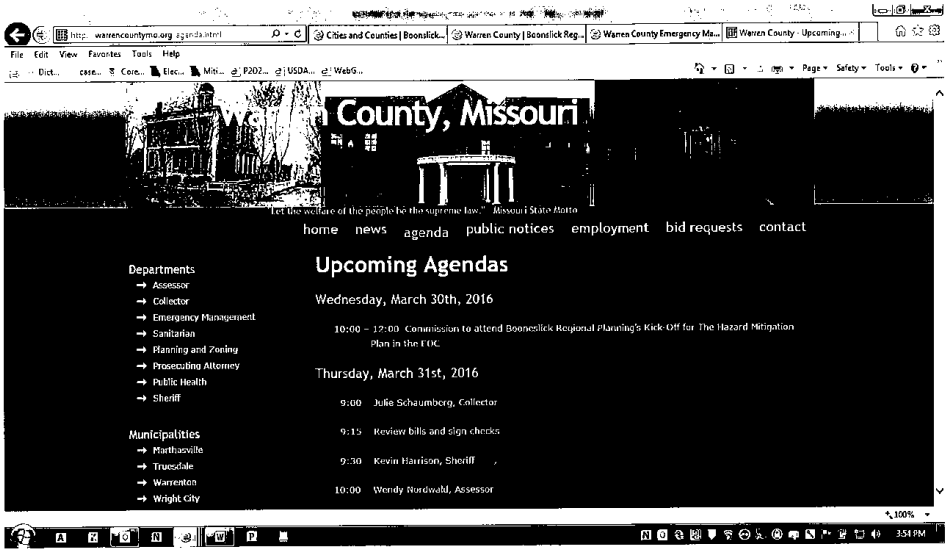
The Warren County Emergency Management Agency, in association with Boonslick Regional Planning Commission, is beginning the process of updating the county's Natural Hazard Mitigation Plan. The purpose of the plan is to reduce or eliminate long-term risk to the people and property of the county from the effects of natural hazard events. This approach will ensure that the county's local governments remain eligible for all possible disaster recovery assistance.

A Hazard Mitigation Planning Committee kickoff meeting will be held at the Warren County Administration Building, 101 Mockingbird Lane, Warrenton, Room 103, at 10 a.m. on March 30.

All incorporated municipalities and school districts within the county must participate in the planning process and formally adopt the updated plan. The general public is invited as well.

Publish in the Warren County March 17 and 24, 2016.

Appendix B – Meetings and Communications



Warren County Hazard Mitigation Plan **Date: March 30, 2016**

NAME	ORGANIZATION/AGENCY	EMAIL	PHONE	TRAVEL TIME
Ron MacKnight	Wright City Fire	RmacKnight@wrightcityfire.com	636-745-2262	10 min
Michael Dancy	EMA	mdancy@warrencountymo.org	636-456-3756	0
AL Jacob	Mo Valley Levee Dis		314 5652713	25 min
Jamie Faust	Marthasville Vol. Fire	marthasville2101chief@gmail.com	636-262-1851	25 min
Ken Eddens	Marthasville VFD	tahoe1@centurytel.net	573-280-4077	25min
Ed Varno	Lake Sherwood	EVARNOLSEA@GMAIL.com	636-828-5777	25 min
Matt Flake	Warren County	MFLAKE@warrencounty.org	456-7169	0
Brendon Mahon	Washington School District	brendon.mahon@washington.k12.mo.us	636-231-2000	30 min
Ruth Walter	WCHD	rwalters@warrencohs.org		
Dan Hampson	Warren County			

Warren County Hazard Mitigation Plan **Date: March 30, 2016**

NAME	ORGANIZATION/AGENCY	EMAIL	PHONE	TRAVEL TIME
Ralph Hollobusch	WCAD	wcadmin@centurytel.net	456-5413 ext 5	
Greg Houdyshell	Warrenton PD	ghoudyshell@warrenton-mo.org	456-3535	
Hubie R Luesse	Warren County		456-3045	

Warren County Hazard Mitigation Plan **Date: March 30, 2016**

NAME	ORGANIZATION/AGENCY	EMAIL	PHONE	TRAVEL TIME
Toni Eversmeyer	Warren County Planning & Zoning Adm	teversmeyer@warrencountymo.org	636-456-3044	∅
Matt Eskew	Wright City PD	meskew@wcpd-mo.org	636-359-4620	∅
Aaron Jones	Warren Co R-III School Dist	jonesas@warrencor3.k12.mo.us	636 456 6901	∅

MTG PAK MAI

Mark Cunningham

To:	'aellard@warrencounty911.org'; 'andrew059@centurytel.net'; Brendan Mahon (brendan.mahon@washington.k12.mo.us); 'chandlerjw@warrencor3.k12.mo.us'; 'cityclerkofmarthasville@yahoo.com'; 'clerktr@yahoo.com'; Contreras, Anita; 'David.Buck@wrightcity.k12.mo.us'; 'dhampson@warrencountymo.org'; 'econdevelop@wrightcity.org'; Ed Varno (evarnolsea@gmail.com); Eddens, Ken; 'eddie.trower@chartercom.com'; 'ema@sccmo.org'; 'EMD@lcmoema.com'; Eric Maninga (Erik.Maninga@MoDOT.mo.gov); 'EROMO@ALLIANCEWATER.COM'; 'Eschleuter@warrenton-mo.org'; 'fcema@franklinmo.net'; 'ggevers@warrenton-mo.org'; 'ghomeyer@homeyertool.com'; 'ghoudyshell@warrenton-mo.org'; 'hkluesner@warrencountymo.org'; 'innsbrookcity@centurytel.net'; 'jack.sanford@wrightcity.k12.mo.us'; 'jfeast@ameren.com'; JoAnn Toerper; 'Jocelyn.Schluss@washington.k12.mo.us'; 'jsthomsen@centurytel.net'; 'katherine.vigil@redcross.org'; 'katie.beall@redcross.org'; 'kharrison@warrencountymo.org'; 'khurd@cuivre.com'; 'marthasvillechief2102 @gmail.com'; 'mayor.marthasville@yahoo.com'; 'mdaniels@warrencountymo.org'; 'meskew@wcpd-mo.org'; 'mflake@warrencountymo.org'; 'montemd@mcmo.us'; 'mpd300@yahoo.com'; 'mrugh@warrenton-mo.org'; 'mschlenther@warrenton-mo.org'; 'pirrungkp@warrencor3.k12.mo.us'; 'rberry@warrencounty911.org'; 'recnews@centurytel.net'; 'rmacknight@wrightcityfire.com'; 'rmauzy@warrencountymo.org'; 'rust1102@hotmail.com'; 'rwalters@warrencountymo.org'; 'schowejm@warrencor3.k12.mo.us'; 'tbutler@CriderCenter.org'; 'teversmeyer@warrencountymo.org'; Tim Schmidt; 'Timothy Schroeder'; 'tmatthews@wrightcity.org'; 'Tony.G.Hoffman@CenturyLink.com'; 'wcadmin@centurytel.net'; 'wfpd1400@warrenton-fire.org'
Cc:	Krishna Kunapareddy (krishna@boonslick.org)
Subject:	Warren County Hazard Mitigation Planning Committee Meeting Minutes
Attachments:	Warren County Hazard Mitigation Plan- Kickoff meeting 2016.pptx; Timeline Warren County Hazard Mitigation Plan 2016.docx; Summary Table 4-1 from New Plan.xlsx; WCHMP Kick Off Meeting Minutes March 30 2016.docx

Warren County Hazard Mitigation Committee,

Thanks for attending the kick-off meeting on March 30 at the Warren County Emergency Operations Center. If you did not attend, we still desire to keep you informed and to seek your involvement. In addition, I added MoDOT and the Warren County Developmental Disabilities Board contacts to the distribution list per a request made at the meeting. Also, we need to hear from you if you want to add any new action plans.

Per our discussion at the meeting, the following items are provided;

1. Kick-off meeting minutes
2. Action Plan Summary (Summary Table)
3. Plan schedule (Timeline)
4. PowerPoint presentation from the meeting
5. Link to the current hazard mitigation plan(http://boonslick.org/2011/09/warren-county-hazard-mitigation-plan-approved-pending-adoption-status/)
6. State Hazard Mitigation Plan link (http://sema.dps.mo.gov/docs/programs/LRMF/mitigation/MO_Hazard_Mitigation_Plan_2013.pdf)
7. Link to the Business Continuity planning template we discussed (http://boonslick.org/business-continutiy-planning/).

Please call or email either Krishna Kunapareddy or me if you have questions or comments. Krishna's phone is the same as mine below and her email address is Krishna@boonslick.org. We will continue to stay in touch and communicate any plan updates, questions, or comments, to the entire team so that we all know what's planned. Thanks,

Mark A. Cunningham, Planner
Boonslick Regional Planning Commission
Region C Homeland Security Oversight Committee (RHSOC)
Hazard Mitigation Planning / Wheels To Work Revolving Loan
111 Steinhagen Road, P.O. Box 429, Warrenton, MO 63383
Phone (636) 456-3473 / Cell (314) 800-6230 Tue / Wed / Thurs: 0800 - 1630
http://www.boonslick.org/

Warren County Hazard Mitigation Planning Kick-Off Meeting Minutes 2016

1. Warren County Emergency Management Director, Michael Daniels, called the meeting to order at 10:10am. There were 18 committee members present, including Mr. Daniels; and Boonslick Regional Planning personnel, Krishnapriya Kunapareddy and Mark Cunningham. A sign-in sheet is part of this meeting package.

2. Mike provided background on the Hazard Mitigation Planning process and explained why it is important for Warren County to complete the update. He also mentioned some projects that were accomplished by Warren County with mitigation funding provided through FEMA, specifically, Low Water crossings. Troy Buchanan High School is also planning to use some FEMA hazard mitigation funds to build a tornado safe room at the high school. While this is not specifically a Warren County project it illustrates funding opportunities that can happen provided a county is current on

3. Ms. Kunapareddy, the project planner from Boonslick Regional Planning, reviewed the agenda for the meeting and asked for everyone to introduce themselves around the table. Following introductions, Krishna briefed the committee using the PowerPoint presentation which is part of this meeting package.

4. Following the briefing, Krishna directed the committee to review the Action Plan Summary Sheet which is part of this meeting package. Mike Daniels and BRPC did a preliminary assessment of the Action Plan and brought it to the team for their consideration. Most of the meeting was spent on this review. All of the tasks and actions on the review were discussed; however, only those prompting further discussion and / or changes are noted in these minutes.

    a. Task 1.1.1 – While implementation of Code Red meets the criteria for completion, the committee believes the task should remain open and in sustainment to ensure that Code Red or similar system continues to be funded. Mike Daniels spent some time explaining how Code Red works and what emergencies it covers. Dan Hampson asked what plans are in place to address terrorist attacks, earthquakes, and other disruptions to the Callaway Nuclear plant. Mike Daniels explained his concerns about the power plant which centered more around loss of power for the region and stated that he will review

Warren County Hazard Mitigation Planning Kick-Off Meeting Minutes 2016

i. Task 2.2.2 – Even though the county tried once before to qualify for CRS, the team felt that, given the age of the original attempt, that we should once again look into CRS by asking for another evaluation.

5. Mike Daniels mentioned that the county's COAD (Community Organizations Active in Disasters) team is without a leader and should be reorganized. He is working on that process. While Mike has a seat on the team, he should not be the leader because in a disaster the COAD will need to operate without his leadership.

6. A question was asked as to why no utilities were at the present. It was explained that Ameren, Cuivre River, and CenturyLink were all invited.

7. Another question was why there was no representation from MoDOT. Mark Cunningham stated that MoDOT was not invited but that he would add Erik Maninga to the distribution list.

8. The team was requested to send any new action plans that they feel to be included in the hazard mitigation plan.

9. Questions were also asked regarding the schedule, that is, why will the jurisdictions be asked to adopt the plan before SEMA and FEMA have approved it. After some discussion, it was decided that we must follow the process from FEMA / SEMA and if necessary, jurisdictions may need to adopt the plan a second time, with revisions.

10. Some discussions centered around business continuity. Mark Cunningham agreed to distribute a link to Boonslick's Business Continuity Planning documents.

11. The team agreed that it should meet each year to evaluate the hazard mitigation plan.

Warren County Hazard Mitigation Plan 2016		
Responsible entities	**Timeline**	**Task**
BRPC/EMD/Commissioners	February / March 2016	Review the action plan worksheet/ Finalize the list of committee members
Meeting 1/ EMD/ Committee members	April 2016	Introduction/ Prioritization of needs
BRPC/EMD/SEMA/other state agencies	May 2016	BRPC will work on the draft plan
Meeting 2/ EMD/ Committee members	June 2016	Review the action plan worksheet and Prioritize them
BRPC/EMD/Communities and Warren County	July/August 2016	Communities will adopt the resolutions
BRPC	September 2016	BRPC will complete the draft plan
BRPC/ SEMA/ FEMA	October 2016	Draft plan will be reviewed by SEMA/FEMA
BRPC/EMD/SEMA	November 2016	BRPC will work on edits and changes
BRPC	December 2016	Final plan will be sent to FEMA for approval

Action Plan Summary

Objective	Task	Actions	Complete	Delete	Continue
Objective 1.1: Provide sufficient warning systems.	1.1.1	Identify geographic areas in need of warning systems and develop a plan to implement needed systems.	1.1.1	1.1.1	
	1.1.2	Improve flood alerting system capabilities.			1.1.2
Objective 1.2: Decrease the occurrence and impact of flooding.	1.2.1	Encourage property owners and occupants in hazard areas to participate in mitigation policy formulation.			1.2.1
	1.2.2	Target any remaining repetitive flood loss properties for buyout.	1.2.2	1.2.2	
	1.2.3	Promote environmentally-sound watershed and storm water practices to decrease flash flooding.			1.2.3
	1.2.4	Review and revise flood-fighting plans as needed.			1.2.4
	1.2.5	Strengthen floodplain regulations as needed.	1.2.5	1.2.5	
	1.2.6	Improve drainage of roadways in flashflood areas.			1.2.6
	1.2.7	NFIP- Monitor development in special flood hazard areas to ensure compliance with local flood plain management ordinances.	1.2.7	1.2.7	
Objective 1.3: Increase knowledge of safety measures among employers and the general public.	1.3.1	Develop hazard area maps and promote use by the public.			1.3.1
	1.3.2	Consider additional professional development and disaster mitigation training for emergency management personnel.			1.3.2
	1.3.3	Identify ways to promote FEMA safety tips and mitigation techniques.			1.3.3
	1.3.4	To provide earthquake preparedness and safety literature every year in the school districts.			1.3.4
Objective 1.4: Increase and maintain appropriate emergency equipment.	1.4.1	Review and upgrade policies to identify and budget additional emergency equipment for health and medical services, mass care agencies, and public information.			1.4.1
	1.4.2	Execute and maintain mutual aid agreements with all relevant agencies.			1.4.2
	1.4.3	Review and upgrade redundancies for the 911 Center/EOC.	1.4.3	1.4.3	
Objective 1.5: Protect residential structures.	1.5.1	Decrease wildfire risk in areas where development is adjacent to forests or grasslands by incorporating buffer zones into subdivision regulations.			1.5.1
	1.5.2	Promote environmentally-sound, fire-resistant materials for homes.			1.5.2
	1.5.3	Identify existing mechanisms to promote NFIP policies and earthquake/seismic insurance.			1.5.3
Objective 1.6: Protect large employment and commercial facilities.	1.6.1	Consider known hazards when identifying a site for new facilities and systems.			1.6.1
	1.6.2	Encourage tornado safe rooms in new construction. Suggestions include centralized safe rooms in subdivisions and/or safe rooms incorporated into the design of front porch foundations in new homes.			1.6.2

Action Plan Summary

Objective	Task	Actions	Complete	Delete	Continue
	1.6.3	Encourage up-to-date commercial/industrial disaster plans that are coordinated with county/city disaster plans.			1.6.3
	1.6.4	Encourage backup systems for commercial and industrial businesses.			
Objective 1.7: Identify populations with special needs or those who may be more vulnerable to the impacts of disasters or hazard events.	1.7.1	Maintain inventory of special needs population, equipment & ADA shelters.			1.7.1
	1.7.2	Enhance warning systems and notifications for special populations.	1.7.2	1.7.2	
	1.7.3	Identify and provide mass care shelters.	1.7.3	1.7.3	
Objective 1.8 Reduce the disruption to transportation infrastructure from hazard events, by reducing the vulnerability of transportation infrastructure to hazard events	1.8.1	Utilize County road right of ways as firebreaks and snow storage.	1.8.1	1.8.1	
	1.8.2	Maintain inventory of vulnerable infrastructure.			1.8.2
	1.8.3	Maintain an inventory of traffic incidents.			1.8.3
Objective 2.1: Reduce and prevent degradation of, or conflicts with, natural resources.	2.1.1	Encourage best practices for drought-resistant farming.			2.1.1
	2.1.2	Resolve any existing environmental conflicts and take steps to prevent future conflicts.			2.1.2
	2.1.3	Work with DNR to identify primary maintenance techniques for earthen dams and encourage their use and support periodic inspections of the dams.			2.1.3
Objective 2.2: Promote sustainable planning, development, and construction practices.	2.2.1	Promote building codes in incorporated areas that currently do not have such regulations.			2.2.1
	2.2.2	Implement measures to increase the county's CRS status.	2.2.2	2.2.2	
	2.2.3	To reduce the effects of flash flooding and drought, promote construction and use practices that facilitate rainwater percolation into local water tables.			2.2.3
Objective 3.1: Strengthen critical structures and infrastructures.	3.1.1	Review, prioritize, institute and monitor needed upgrades or retrofits for critical buildings and infrastructures.			3.1.1
	3.1.2	Review emergency access routes and evacuation routes and mitigate any problem areas.			3.1.2
	3.1.3	Maintain essential public services.			3.1.3
	3.1.4	Maintain an inventory of levees in the County			3.1.4
Objective 3.2: Strengthen collaboration among relevant jurisdictions.	3.2.1	Identify, review, and implement mechanisms to foster collaboration among jurisdictions, agencies, special districts and private industry.			3.2.1
	3.2.2	Improve planning, funding, and response coordination.			3.2.2

3/29/2016

Warren County Hazard Mitigation Plan 2017 update

Kickoff Meeting- March 30, 2016

Welcome

- Introductions
- Background of current plan
- Planning process
- Review goals/action plans
- Next meeting

What is Hazard Mitigation ???

FEMA defines it as **"any action taken to eliminate or reduce the long-term risk to human life and property from natural and technological hazards"**

Why Develop a Hazard Mitigation Plan?

- Save lives and protect property
- Preserve and protect an areas' environment and economy
- Preserve / maintain essential services and quality of life
- Provide information to citizens, businesses, and officials
- Project implementation and funding

Warren County Hazard Mitigation Plan

- Eligibility for grant opportunities from SEMA and FEMA, requires **an approved plan**
- First adopted in **2004**, updated in **2012**
  http://boonslick.org/2011/09/warren-county-hazard-mitigation-plan-approved-pending-adoption-status/
- This is the **2017 Update**
  - Working on the Draft Plan
  - Need Multi-Jurisdictional Participation
  - Need Public participation
  - Plan must be re-approved by SEMA & FEMA
  - Plan must be re-adopted by communities

Projects...

Floodplain buyouts, improvements to roads and bridges that were prone to flooding, tornado shelters etc

Warren County FEMA assistance projects

- Low water crossings
- Flood buyouts

Participation and Adoption

Warren County
Innsbrook
Marthasville
Pendleton
Truesdale
Warrenton
Wright City

Warren County R-III School District
Wright City R-II School District
Gasconade County R-I School District
Washington School District

3/29/2016

Planning Process

Planning Elements
Identification of potential hazards
Goals & action plans
Plan review/comments: July/August
Formal adoption

WHO?

Planning Committee/Emergency Management Director/Cities/Schools/ SEMA/FEMA

Missouri HMP:
http://sema.dps.mo.gov/newspubs/publications/

Hazards Identified

- Dam
- Drought
- Earthquake
- Extreme Heat
- Flood/Levee Failure
- Hailstorm
- Severe winter weather
- Thunderstorm and high winds
- Tornado
- Wildfire
- Hazardous materials
- Terrorism
- Transportation
- Utility Interruption & Power failure

Goals/Objectives/Action Plan review (Handout)

Next meeting

Draft Plan Review

Boonslick RPC
111 Steinhagen
Warrenton MO 63383

2

Mark Cunningham

From: Mark Cunningham
Sent: Wednesday, June 29, 2016 3:35 PM
To: 'aellard@warrencounty911.org'; 'andrew059@centurytel.net'; Brendan Mahon (brendan.mahon@washington.k12.mo.us); 'chandlerjw@warrencor3.k12.mo.us'; 'cityclerkofmarthasville@yahoo.com'; 'clerktr@yahoo.com'; Contreras, Anita; 'David.Buck@wrightcity.k12.mo.us'; 'dhampson@warrencountymo.org'; 'econdevelop@wrightcity.org'; Ed Varno (evarnolsea@gmail.com); Eddens, Ken; 'eddie.trower@chartercom.com'; 'ema@sccmo.org'; 'EMD@lcmoema.com'; Eric Maninga (Erik.Maninga@MoDOT.mo.gov); 'EROMO@ALLIANCEWATER.COM'; 'Eschleuter@warrenton-mo.org'; 'fcema@franklinmo.net'; 'ggevers@warrenton-mo.org'; 'ghomeyer@homeyertool.com'; 'ghoudyshell@warrenton-mo.org'; 'hkluesner@warrencountymo.org'; 'innsbrookcity@centurytel.net'; 'jack.sanford@wrightcity.k12.mo.us'; 'jfeast@ameren.com'; JoAnn Toerper; 'Jocelyn.Schluss@washington.k12.mo.us'; 'jsthomsen@centurytel.net'; 'katie.beall@redcross.org'; 'kharrison@warrencountymo.org'; 'khurd@cuivre.com'; 'marthasvillechief2102@gmail.com'; 'mayor.marthasville@yahoo.com'; 'mdaniels@warrencountymo.org'; 'meskew@wcpd-mo.org'; 'mflake@warrencountymo.org'; 'montemd@mcmo.us'; 'mpd300@yahoo.com'; 'mrugh@warrenton-mo.org'; 'mschlenther@warrenton-mo.org'; 'pirrungkp@warrencor3.k12.mo.us'; 'rberry@warrencounty911.org'; 'rmacknight@wrightcityfire.com'; 'rmauzy@warrencountymo.org'; 'rust1102 @hotmail.com'; 'rwalters@warrencountymo.org'; 'schowejm@warrencor3.k12.mo.us'; 'tbutler@CriderCenter.org'; 'teversmeyer@warrencountymo.org'; 'Tim Schmidt'; 'Timothy Schroeder'; 'tmatthews@wrightcity.org'; 'Tony.G.Hoffman@CenturyLink.com'; 'wcadmin@centurytel.net'; 'wfpd1400@warrenton-fire.org'
Cc: Krishna Kunapareddy (krishna@boonslick.org)
Subject: Warren County Hazard Mitigation Planning Meeting

Committee Members,

The second meeting of the Warren County Hazard Mitigation Planning committee will be held on August 4th at the Emergency Operations Center, Suite 103, in the Warren County Administration Building, 101 Mockingbird Lane, Warrenton. The meeting will begin at 1pm and conclude at 3pm.

The purpose of the meeting is for the committee to approve the draft plan for submission to the Missouri State Emergency Management Agency, SEMA. An opportunity to ask questions and comment on the plan will be provided before approval. If the plan is approved at this meeting, no further meetings of the committee will be required. The meeting is open to the public.

The draft plan will be posted on the Boonslick Regional Planning Commission's website at least two weeks before the meeting and a link (URL) to the plan will be provided so that you have an opportunity to review the plan before the meeting. The plan is over 250 pages in length and will be too large to e-mail. For those unable to connect to the internet, a few hard copies will be available for review at the Warren County Emergency Management Agency, at the Warren County Clerk's office, and at the Boonslick Regional Planning Commission's office.

Following the first committee meeting, and upon request from Northern District Commissioner Dan Hampson, "Nuclear Power Plant Radiation Release" was added as a new hazard to Section III of the plan. In addition, on recommendation from EMA Mike Daniels and Health Department Director, Ruth Walters; it was decided to add the following three tasks to the Action Plan;

- 1.3.5 – Identify public health issues and identify ways to promote healthy life style changes
- 1.3.6 – Identify causes of disease and promote measures to control spread of disease in case of emergency such as ; reduce vectors, increase awareness of foodborne illness hazards due to spoilage and contamination.
- 1.7.4 – Identify community health disparities and their effects on post disaster population health, i.e., access to care, messaging, translation services, and mental/behavioral health services.

Please watch your email for the link to the draft document, review it, and come to the meeting with your questions and comments. You can also call or email Mike Daniels (mdaniels@warrencountymo.org), Krishna Kunapareddy (krishna@boonslick.org), or reply to me if you have questions.

Mark A. Cunningham, Planner
Boonslick Regional Planning Commission
Region C Homeland Security Oversight Committee (RHSOC)
Hazard Mitigation Planning / Wheels To Work Revolving Loan
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BOONSLICK REGIONAL
PLANNING COMMISSION

LINCOLN COUNTY
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Foley
Fountain N Lakes
Hawk Point
Moscow Mills
Old Monroe
Silex
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Montgomery City
New Florence
Rhineland
Wellsville

WARREN COUNTY
Innsbrook
Marthasville
Pendleton
Truesdale
Warrenton
Wright City

Established: May 27, 1968

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Boonslick Regional Planning Commission

Warren County Hazard Mitigation Planning Second Meeting

Thursday, August 4, 2016

Notice is hereby given that the Boonslick Regional Planning Commission, in association with the Warren County Emergency Management Agency; will conduct the second meeting of the Warren County Hazard Mitigation Update Planning Committee at the Warren County Administration Building, Suite 103, 101 Mockingbird Lane, Warrenton, MO on August 4, 2016. The meeting will commence at 1 o'clock in the afternoon and end no later than 3 o'clock.

AGENDA

1. Welcome
2. Question and Answer Session on Draft Plan
3. Approval of Plan
4. Other Topics as Necessary

Posted: Wednesday, July 13, 2016

Mark Cunningham

From: Mark Cunningham
Sent: Wednesday, July 13, 2016 11:40 AM
To: 'aellard@warrencounty911.org'; 'andrew059@centurytel.net'; Blackwood, Shalene (shaleneblackwood@gmail.com); Brendan Mahon (brendan.mahon@washington.k12.mo.us); 'chandlerjw@warrencor3.k12.mo.us'; Christine Martin (cityhall@wrightcity.org); 'cityclerkofmarthasville@yahoo.com'; 'clerktr@yahoo.com'; Contreras, Anita; David Heileger (cityhall@wrightcity.org); 'David.Buck@wrightcity.k12.mo.us'; 'dhampson@warrencountymo.org'; 'econdevelop@wrightcity.org'; Ed Varno (evarnolsea@gmail.com); Eddens, Ken; 'eddie.trower@chartercom.com'; 'ema@sccmo.org'; 'EMD@lcmoema.com'; Eric Maninga (Erik.Maninga@MoDOT.mo.gov); 'EROMO@ALLIANCEWATER.COM'; 'Eschleuter@warrenton-mo.org'; 'fcema@franklinmo.net'; 'ggevers@warrenton-mo.org'; 'ghomeyer@homeyertool.com'; 'ghoudyshell@warrenton-mo.org'; 'hkluesner@warrencountymo.org'; 'innsbrookcity@centurytel.net'; 'jack.sanford@wrightcity.k12.mo.us'; 'jfeast@ameren.com'; JoAnn Toerper; 'Jocelyn.Schluss@washington.k12.mo.us'; 'jsthomsen@centurytel.net'; 'katie.beall@redcross.org'; 'kharrison@warrencountymo.org'; 'khurd@cuivre.com'; 'marthasvillechief2102@gmail.com'; 'mayor.marthasville@yahoo.com'; 'mdaniels@warrencountymo.org'; 'meskew@wcpd-mo.org'; 'mflake@warrencountymo.org'; 'montemd@mcmo.us'; 'mpd300@yahoo.com'; 'mrugh@warrenton-mo.org'; 'mschlenther@warrenton-mo.org'; Murray A. Bruer (mayortru@yahoo.com); 'pirrungkp@warrencor3.k12.mo.us'; 'rberry@warrencounty911.org'; 'rmacknight@wrightcityfire.com'; 'rmauzy@warrencountymo.org'; 'rust1102@hotmail.com'; 'rwalters@warrencountymo.org'; 'schowejm@warrencor3.k12.mo.us'; 'tbutler@CriderCenter.org'; Terry Thorn (tthorn@warrenton-mo.org); 'teversmeyer@warrencountymo.org'; 'Tim Schmidt'; 'Timothy Schroeder'; 'tmatthews@wrightcity.org'; 'Tony.G.Hoffman@CenturyLink.com'; 'wcadmin@centurytel.net'; 'wfpd1400@warrenton-fire.org'
Subject: Warren County Hazard Mitigation Draft Document

Warren County Hazard Mitigation Team,

This email is a follow-on to an email dated June 29 which is below this note for your reference.

Attached is the URL to the updated Hazard Mitigation Plan; http://boonslick.org/?p=5004. The document may also be reached through a link on our home page; Boonslick.org. Only Appendix C – STAPLEE FROMS is included. Appendices A and B will not be complete until adoption of the draft plan by all participating agencies.

For those unable to connect to the internet, a few hard copies and DVDs will be available for review at the Warren County Emergency Management Agency, at the Warren County Clerk's office, and at the Boonslick Regional Planning Commission's office.

Please review the draft and come to the meeting with your questions and comments. You can also call or email Mike Daniels (mdaniels@warrencountymo.org), Krishna Kunapareddy (krishna@boonslick.org), or reply to me if you have questions.

June 29th Email Reference

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Mark A. Cunningham, Planner
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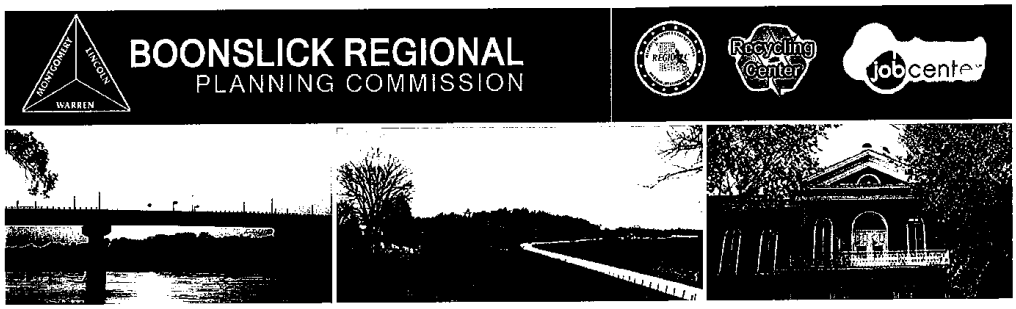

Warren County Hazard Mitigation Plan Draft

The documents below are drafts of the Warren County Hazard Mitigation Plan update. Due to the size of the document, it is broken into several parts. The document is provided for review by the Hazard Mitigation Committee and the general public prior to the August 4, 2016 Hazard Mitigation Plan Meeting. Please address any questions or comments to Ms. Krishnapriya Kunapareddy at (636) 456-3473.

Title Page Through Section II

Section III, Part 1

Section III, Part 2

Section III, Part 3

Sections IV and V

Appendix C – STAPLEE FORMS (Appendices A and B will not be complete until adoption of the plan)

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SECOND MTG NOTICE

(Space above for recording information)

AFFIDAVIT OF PUBLICATION

Date: JUL 29 2016

STATE OF MISSOURI)
COUNTY OF Warren) ss.

I, William L. Miller, Sr., being duly sworn according to law, state that I am the Publisher of Warren County Record, (formerly the Marthasville Record), a weekly newspaper of general circulation in the County of Warren, State of Missouri, where located; which newspaper has been admitted to the Post Office as periodical class matter in the City of Marthasville, Missouri, the city of publication; which newspaper has been published regularly and consecutively for a period of three years and has a list of bona fide subscribers, voluntarily engaged as such who have paid or agreed to pay a stated price for a subscription for a definite period of time, and that such newspaper has complied with the provisions of Section 493.050, Revised Statutes of Missouri 2000, and Section 59.310, Revised Statutes of Missouri 2000. The affixed notice appeared in said newspaper in the following consecutive issues:

1st Insertion: Vol. 119 No. 10, 21 day of Jul 2016
2nd Insertion: Vol. 119 No. 11, 28 day of Jul 2016
3rd Insertion: Vol. _____ No. _____, _____ day of ____20__
4th Insertion: Vol. _____ No. _____, _____ day of ____20__

William L. Miller
Publisher's Signature

Subscribed and sworn to before me on this 29 day of July, 20 16.

Tina Lenay Bacott
Notary Public

NOTARY PUBLIC NOTARY SEAL STATE OF MISSOURI

TINA LENAY BACOTT
My Commission Expires
June 23, 2020
Franklin County
Commission #16563444

Affidavit of Publication
Continuation Page 2

All attached to this sheet hold the same bonds as on page one of this document.
As published in
Warren County Record
(formerly the Marthasville Record).

PUBLIC NOTICE

HAZARD MITIGATION UPDATE PLANNING

A Hazard Mitigation Planning Committee meeting will be held at the Warren County Administration Building, 101 Mockingbird Lane, Warrenton, Room 103, at 1 p.m. on August 4. The purpose of the meeting is to review and approve the draft plan. Copies of the plan are available from the Warren County Emergency Management Agency and the Boonslick Regional Planning Commission.

All incorporated municipalities and school districts within the county must participate in the planning process and legally adopt the updated plan. The general public is invited as well.

Publish in the Warren County Record July 21 and 28, 2016.

Warren County Hazard Mitigation Plan **Date: August 4, 2016**

NAME	ORGANIZATION/AGENCY	EMAIL	PHONE	TRAVEL TIME
MICHAEL DANISH	WARREN COUNTY EMA		636-456-37[illegible]	
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AARON JONES	Warrenton School Dist	jonesas@warrencor3.k12.mo.us	636 456 6901	
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RALPH HELLEBUSCH	WARREN COUNTY Amb	rhellebusch@warrencountyambulance.com	636-456 6413	

MARK

8/3/2016

Warren County Hazard Mitigation Plan 2017 update

Review Meeting-
August 4, 2016

Agenda

- Welcome / Introductions
- Plan Background
- Plan Question & Answer Session
- Plan Approval
- Next Steps

Plan Background

- Eligibility for grant opportunities from SEMA/FEMA requires an approved plan
- First adopted in 2004, updated in 2012
- This is the 2017 Update
  - Plan adoption
  - Plan must be re-approved by SEMA & FEMA
  - Plan must be re-adopted by communities

8/3/2016

Participation & Adoption

- Warren County
- Innsbrook
- Marthasville
- Pendleton
- Truesdale
- Warrenton
- Wright City
- Warren County R-III
- Wright City R-II
- Gasconade County R-I
- Washington City Schools

Next Steps

- Meeting Minutes Distributed – August 9
- Plan Updated – August 9
- Re-posted – August 9
- Distributed to jurisdictions – August 9
- Jurisdictions Adopt Plan in August/September
- Adopted Plan Submitted to SEMA / FEMA
- FEMA Approves Plan – Early December
- Annual Plan Review Meeting – Summer 2017

Contacts

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Krishna@boonslick.org

Boonslick RPC
111 Steinhagen
Warrenton MO 63383

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Warren County Hazard Mitigation Planning Second Meeting Minutes	**August 4, 2016**

1. The meeting was called to order at 1:07pm by Boonslick Regional Planning Commission Senior Planner, Ms. Krishnapriya Kunapareddy. There were 11 committee members present plus two planners from Boonslick Regional Planning Commission (BRPC). Attendees introduced themselves around the room.

2. Krishna reviewed the agenda and the PowerPoint presentation, including the plan background to make sure all members were up to speed on the process and status.

3. Krishna called attention to some changes made by the Warren County EMD and Health Department Director since the last team meeting.

    a. One is the addition of a new risk, the Nuclear Power Plant Radiation Release that was requested by Dan Hampson, Warren County Northern District Commissioner. Mitigation plans are already in place to evacuate the region in this event but the risk was not previously identified and a risk assessment completed.

    b. The other change involves adding three actions to Goal 1 that will enhance public health.

        i. Action 1.3.5 – Identify public health issues and identify ways to promote healthy lifestyle changes.

        ii. Action 1.3.6 – Identify causes of disease and promote measures to control spread of disease in case of emergencies such as; reduce vectors, increase awareness of foodborne illness hazards due to spoilage and contamination.

        iii. Action 1.7.4 – Identify community health disparities and their effects on post disaster population health, i.e., access to care, messaging, translation services, and mental/behavioral health services.

4. The draft plan was then reviewed via a question and comment session.

    a. Tim Schroeder of Lake Sherwood asked why Lake Sherwood was not listed at the beginning of the document along with the other communities. Krishna explained that only taxing entities are enumerated in the document and that Lake Sherwood, as well as all other non-taxing entities in unincorporated Warren County, are still eligible for FEMA hazard mitigation funding.

    b. Mr. Schroeder also inquired as to why one of Lake Sherwood's dams was not listed in the High Hazard Dam section of the document. It was explained that only High Hazard dams are listed and that those high hazard dams are identified by the National Inventory of Dams using various criteria to establish the rating.

c. Warren County EMD, Mike Daniels, inquired if the taxing entities will need to re-adopt their resolutions approving the draft document in the event that SEMA makes changes to it. No one is sure exactly what could happen because this is a change in the review and adoption process. However, after much discussion, BRPC agreed that when SEMA provides their findings on the first submission of the document, they will update the document accordingly and send the committee a copy of the findings so that each adopting entity can determine for themselves if re-adoption is necessary.

d. During review of the Jurisdictional Profiles and Mitigation Capabilities in Section II, Mr. Daniels also asked why some cities choose not to list on their questionnaires Non-Governmental entities such as the American Red Cross as resources while others did. Mike pointed out that the Red Cross is a resource available to all communities. Krishna stated that the questionnaires were completed by the taxing entities and BRPC does not feel it is ethical to make changes to the information provided.

e. During review of Section III, it was determined that Nuclear Power Plant Radiation Release is not included in Table 3-17 on page 3-16. That was an oversight and BRPC will add that to the table.

f. On page 4-19, Goal 1, Action 1.2.7; Tim Schroeder asked if planned improvements to Lake Sherwood's dams and culverts should be included. After some discussion, it was agreed those steps are more granular than necessary for this document and would not be included.

g. Toni Eversmeyer suggested that Goal 2, Action 2.2.2, on page 4-47; be removed. She researched the CRS status of the county and determined that there are two open violations that will prevent the county from being in compliance for CRS status. These two violations are non-life-threatening and are related to structures that are not properly bermed against flooding. These structures are grandfathered at this point, but Ms. Eversmeyer was told that if the county re-applies, these structures would be made to come into compliance. This would be a large expense for the property owners and the pay back in terms of CRS insurance discounts not cost-effective. The team agreed the task should be closed at the summer 2017 review of the plan. Only 47 people are affected by the CRS status and would stand to save approximately 5% off their flood insurance premiums.

h. Ms. Eversmeyer also brought a typo to attention on page 3-78. In the last sentence on the page, "incorporated areas located..." should read "Unincorporated areas..." BRPC will make the change.

5. There being no further discussion, Mike Daniels made a motion to accept the draft document with changes as discussed. Aaron Jones, Assistant Superintendent of Warren County R-III Schools, seconded the motion. The motion carried by acclamation with no dissenting voices.

6. Krishna thanked everyone for their participated and adjourned the meeting at 2:00pm.

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Appendix C – STAPLEE Forms

Action Title	Identify geographic areas in need of warning systems	
Action ID	1.1.1	
Jurisdictions	☑ Warren County ☐ Innsbrook ☐ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington	
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?		1
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		3
Could it be implemented quickly?		1
STAPLEE Score		**21**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Damage	Two points each	2
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	0
Mitigation Effectivess Score		**2**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**23**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	0	
Low (less than 25 points)	23	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Improve flood alerting system capabilities	
Action ID	1.1.2	
Jurisdictions	☑ Warren County ☑ Innsbrook ☑ Marthasville ☐ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☐ Gasconade R II ☐ School District of Washington	
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?		2
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		3
Could it be implemented quickly?		1
STAPLEE Score		**22**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Damage	Two points each	2
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	0
Mitigation Effectivess Score		**2**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**24**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	0	
Low (less than 25 points)	24	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Encourage property owners and occupants in hazard areas to participate in mitigation policy formulation	
Action ID	1.2.1	
Jurisdictions	☑ Warren County ☑ Innsbrook ☑ Marthasville ☐ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☐ Gasconade R II ☑ School District of Washington	
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?		2
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		2
Could it be implemented quickly?		2
STAPLEE Score		**22**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Damage	Two points each	2
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	0
Mitigation Effectivess Score		**2**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**24**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	0	
Low (less than 25 points)	24	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Target any remaining repetitive flood loss properties for buyout	
Action ID	1.2.2	
Jurisdictions	☑ Warren County ☐ Innsbrook ☑ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington	
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?		1
L: Is there Legal authority to implement?		3
E: Is it Economically beneficial?		3
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		0
Could it be implemented quickly?		2
STAPLEE Score		**20**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Da	Two points each	0
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	0
Mitigation Effectivess Score		**0**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**20**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	0	
Low (less than 25 points)	20	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Promote environmentally-sound watershed and storm water practices to decrease flash flooding	
Action ID	1.2.3	
Jurisdictions	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington	
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?		2
L: Is there Legal authority to implement?		2
E: Is it Economically beneficial?		3
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		3
Will historic structures be saved or protected?		1
Could it be implemented quickly?		0
STAPLEE Score		**18**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Damage	Two points each	4
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	4
Mitigation Effectivess Score		**8**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**26**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	26	
Low (less than 25 points)	0	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Review and revise flood-fighting plans as needed	
Action ID	1.2.4	
Jurisdictions	☑ Warren County ☐ Innsbrook ☑ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington	
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?		2
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		2
Could it be implemented quickly?		1
STAPLEE Score		**21**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Da	Two points each	4
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	4
Mitigation Effectivess Score		**8**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**29**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	29	
Low (less than 25 points)	0	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Strengthen floodplain regulations as needed	
Action ID	1.2.5	
Jurisdictions	☑ Warren County ☐ Innsbrook ☑ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington	
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?		2
L: Is there Legal authority to implement?		3
E: Is it Economically beneficial?		2
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		2
Could it be implemented quickly?		1
STAPLEE Score		**20**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Da	Two points each	2
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	2
Mitigation Effectivess Score		**4**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**24**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	0	
Low (less than 25 points)	24	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Improve drainage of roadways in flashflood areas	
Action ID	1.2.6	
Jurisdictions	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington	
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?		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?		3
E: Is it Economically beneficial?		2
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		1
Could it be implemented quickly?		1
STAPLEE Score		**19**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Damage	Two points each	2
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	2
Mitigation Effectivess Score		**4**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**23**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	0	
Low (less than 25 points)	23	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	NFIP- Monitor development in special flood hazard areas to ensure compliance with local floodplain management ordinance	
Action ID	1.2.7	
Jurisdictions	☑ Warren County ☐ Innsbrook ☑ Marthasville ☐ Pendleton ☐ Warrenton ☐ Wright City ☐ Truesdale ☐ Warren County R III ☐ Wright City R II ☐ Gasconade R II ☐ School District of Washington	
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?		2
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?		2
E: Is it Economically beneficial?		1
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		0
Could it be implemented quickly?		0
STAPLEE Score		**14**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Damage	Two points each	0
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	0
Mitigation Effectivess Score		**0**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**14**
Priority Level		
High (30+points)	0	
Medium (25-29 points)	0	
Low (less than 25 points)	14	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	

Action Title	Develop hazard area maps and promote use by the public	
Action ID	1.3.1	
Jurisdictions	☑ Warren County ☑ Innsbrook ☑ Marthasville ☑ Pendleton ☑ Warrenton ☑ Wright City ☑ Truesdale ☑ Warren County R III ☑ Wright City R II ☑ Gasconade R II ☑ School District of Washington	
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?		2
E: Will the project have either a neutral (score a 2) or positive (score a 3) impact on the natural environment?		2
Will historic structures be saved or protected?		1
Could it be implemented quickly?		3
STAPLEE Score		**23**
Mitigation Effectiveness Criteria	**Evaluation Rating**	**Score**
IC: Injuries/Casualties and PD: Property Da	Two points each	4
LF: Loss of Functionality and EMCC: Emergency Management and Community Costs	Two points each	4
Mitigation Effectivess Score		**8**
Total Score (STAPLEE Score+Mitigation Effectiveness Score)		**31**
Priority Level		
High (30+points)	31	
Medium (25-29 points)	0	
Low (less than 25 points)	0	
Completed by:	Boonslick Regional Planning, Warren County Emergency Management Agency with concurrence from the HMPC	