

To **Deb Maney, Johnson County Emergency Management & Homeland Security**  
**Johnson County Hazard Mitigation Planning Committee**

From **Kari Valentine, Mitigation Planner**  
**AMEC Earth & Environmental**

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Date **June 27, 2011**

Subject **Minutes from Johnson County Hazard Mitigation Plan Annual Review Meeting held on 6/16/2011**

This document is a record of attendance, and a summary of the issues discussed during the above meeting, including a review of the plan, the progress in mitigation actions and public involvement.

## Attendees

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Name	Agency Representing
Consolidated FD 2	Gary Lamons
Fairway	Mike Fleming
FD2	Jerome Mitzner
Johnson County Planning	Dean Palos
Johnson County Emergency Management	Dan Robeson
Johnson County Emergency Management	Deb Maney
Johnson County Public Health	Lougene Marsh
Johnson County Planning	Jerry Mallory
Johnson County Public Health	Liz Ticer
Kansas Division of Emergency Management	Brad Moeller
KS School for the Deaf	Jeff Huggins
KS School for the Deaf	John Martello
KU Edwards	John Marmon
KU Edwards	Leigh Driver
Leawood	Randy Hill
Merriam	Doug Crockett
Mission	Mark Sullivan
Mission	Ken Smith
Mission Hills	Jennifer Lee
Olathe	Tim Richards
Overland Park	Ruth Hamel
Roeland Park	Rex Taylor
Shawnee	Jeff Hudson
Shawnee	John Mattox
Spring Hill	Jim Hendershot
USD 229	Sid Cumberland
USD 232	Alvie Cater
USD 512	Steve Beck
AMEC Staff	
Laurie Bestgen	AMEC

Name	Agency Representing
Kari Valentine	AMEC

## Introductions

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Deb Maney with Johnson County Emergency Management & Homeland Security began the meeting by introducing herself, welcoming the attendees and introducing Kari Valentine, project consultant with AMEC Earth and Environmental. Kari Valentine facilitated the rest of the meeting. Ms. Valentine asked the attendees to introduce themselves and state the jurisdiction they were representing.

## Review of the Hazard Mitigation Plan

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The purpose of Hazard Mitigation Planning was reviewed. Attendees were reminded that among other benefits, participating jurisdictions that adopted the plan are eligible entities to apply for FEMA Hazard Mitigation Assistance Grants.

The highlights of the plan were presented. This plan was approved by FEMA on May 26, 2009 and is valid for five years until May 26, 2014. There were 33 jurisdictions that participated in the plan, attended the planning meetings and provided mitigation actions for the plan. All 33 of these jurisdictions adopted the plan within the one year deadline. Those are:

- Unincorporated Johnson County
- City of De Soto
- City of Edgerton
- City of Fairway
- City of Gardner
- City of Lake Quivira
- City of Leawood
- City of Lenexa
- City of Merriam
- City of Mission
- City of Mission Hills
- City of Mission Woods
- City of Olathe
- City of Overland Park
- City of Prairie Village
- City of Roeland Park
- City of Shawnee
- City of Spring Hill
- City of Westwood
- City of Westwood Hills
- USD 229 Blue Valley
- USD 230 Spring Hill
- USD 231 Gardner/Edgerton
- USD 232 De Soto
- USD 233 Olathe
- USD 512 Shawnee Mission
- Kansas School of the Deaf
- Johnson County Community College
- Kansas University Edwards Campus
- Consolidated Fire District #2
- Fire District #1
- Fire District #2
- Fire District #3

The profiled hazard rankings were presented as a reminder to the committee members. The high hazards according to the risk assessment in the plan are winter storm, flood, and windstorm. Moderate hazards included utility/infrastructure failure, hail storm, lightning, tornado, major disease outbreak, terrorism/agri-terrorism, hazardous materials, extreme temperatures, wildfire, agricultural infestation, dam and levee failure, radiological, expansive soils, and earthquake. Low-ranked hazards included drought, landslide, land subsidence, soil erosion/dust, and fog.

Ms. Valentine reminded the attendees that the Johnson County Hazard Mitigation analyzed the same 22 hazards that are included in the State of Kansas Hazard Mitigation Plan. The State plan was revised in 2010 and the 22 hazards remained the same.

The key issues from the risk assessment were reviewed for the high hazards. Then hazard events that have occurred since plan development were discussed. There were no Presidential Declarations for disaster events in the planning area since completion of the plan. Events that occurred since completion of the plan include the following:

- H1N1—the Johnson County Health Department was very involved in response to this outbreak, providing 121,000 vaccinations.
- Mid April 2011 Hailstorm damaged 63 city vehicles in Mission. Damages estimated at \$2.6 Million. Overland Park also had damages from this event.
- May 2011 Tornado caused tree damage in the planning area.
- 2010 Flooding caused some minor road closures and damaged some equipment in the planning area.
- Johnson County Emergency Management has additional records of hazard events. This will be provided for the 2014 plan update.

Changes in Development were discussed that might impact risk/vulnerability and should be considered in the next plan update:

- Edgerton—Burlington Northern Santa Fe (BNSF) Intermodal Facility NE of Edgerton is expected to be completed in 2013. This railroad loading/unloading facility will include approximately 7,000 square feet of warehouse space and will employ approximately 500 people. A new interstate interchange is being constructed in conjunction with this project for access. It is estimated that this project will result in an additional 60,000 additional vehicles. Completion of the intermodal will reduce activity in the Argentine area.
- Gardner—anticipated growth has slowed down with the down-turn in the economy. The school district is still experiencing growth.
- Mission Hills—replaced a low water crossing at Peetwood Park
- Olathe—purchased 5 repetitive loss properties. The Wastewater Treatment Plant project has not been completed yet and is scheduled for the end of 2012
- Roeland Park—has completed some stormwater projects. There is one left to complete in the Cooper Creek Basin. This project is currently being engineered.
- Blue Valley School District—incorporated safe rooms in 23 schools

## **Progress in Mitigation Efforts**

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The planning committee was given a copy of the mitigation actions listed in the plan. During this meeting, Ms. Valentine called on each jurisdiction represented at the meeting to provide an update on their actions. The mitigation action list is included as Attachment A of this document.

Ms. Valentine introduced Brad Moeller with the Kansas Division of Emergency Management to discuss the FEMA Hazard Mitigation Assistance Grants administered by the Kansas Division of Emergency Management (KDEM). These grant programs were discussed as potential funding sources for some of the ongoing mitigation actions. Each grant program has priorities and cost share requirements. Specifics of the grant programs can be found on KDEM's website:

[http://kansastag.ks.gov/kdem\\_default.asp](http://kansastag.ks.gov/kdem_default.asp)

1. Hazard Mitigation Grant Program (HMGP)
2. Pre-Disaster Mitigation (PDM)
3. Flood Mitigation Assistance (FMA)

## **Public Involvement**

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The Maintenance Section of this plan states that the public will be made aware of this annual review and have the opportunity to comment. A public notice will be provided to Deb Maney to be issued as a press release to notify citizens of Johnson County that the Hazard Mitigation Annual Plan Review took place and where they can access additional information.

## **Meeting Notes Addendum**

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After the meeting, Johnson County Emergency Management & Homeland Security provided information regarding Hazard Mitigation Assistance Grants that have been funded in the planning area since completion of the plan. Since participation in an approved Hazard Mitigation Plan is a requirement for eligibility to apply for funds, these funds would not have been received without an approved plan.

## Attachment A—Status of Mitigation Actions

Action ID	Action	Action Status/Comments
County-1	Active building code enforcement	Ongoing. No changes needed at this time.
County-2	NFIP - Continue compliance & floodplain management	Ongoing. Regulating development in the existing and future conditions floodplains per local, state, and federal policies and acquire land if necessary.
County-3	Habitable building buyout	Ongoing. Identify habitable buildings in the floodplain and/or are subject to flooding, prioritize locations, and assess options for mitigation.
County-4	Educate the public on the impacts of major disease outbreak	JCHD physically provided over 16,000 vaccinations & coordinated the provision of over 104,000 from other Johnson County providers. The director of Public Health conducted over 50 interviews related to H1N1 and JCHD helped coordinate the rest of the region in H1N1 health education information. Countless disease outbreaks have been mitigated due to their disease investigation process & enforcing/recommending exclusion policies for schools & daycares including a recent Measles outbreak.
County-5	Educate the impacts of winter storms	Johnson County EMM community preparedness conducts public education focused on an all-hazards approach. Many forms of communication are used such as presentations, Radio Talk Shows, & Social Media (Twitter, Facebook, websites, etc)
County-6	Inclusion of tornado safe rooms in all future buildings built by the County	Ongoing. Johnson County constructed tornado safe rooms in two new public works buildings.
County-7	All-Hazard education for mitigation, preparedness, response, & recovery	Johnson County EMM community preparedness conducts public education focused on an all-hazards approach. Many forms of communication are used such as presentations, Radio Talk Shows, & Social Media (Twitter, Facebook, websites, etc)
County-8	Improve flood hazard areas through the use of conveyance system structural improvement	Ongoing.
County-9	Educate the impacts of lightning	Johnson County EMM community preparedness conducts public education focused on an all-hazards approach. Many forms of communication are used such as presentations, Radio Talk Shows, & Social Media (Twitter, Facebook, websites, etc)
County-10	Low-water crossing elimination	Ongoing. Prioritize low-water crossings and eliminate or improve crossings as funding becomes available.
County-11	Floodwarning system implementation	In June 1984, the City of Overland Park developed a flood warning system in response to a damaging flood in the Indian Creek. In the late 1990's the Flood Warning system was expanded county-wide. In 2007, it is being funded by Johnson Co & administered by the City of Overland Park. Numerous elements of the backbone system have been completed and updated.
County-12	Additional outdoor warning sirens	The addition of new sirens and monitoring of existing sirens is the responsibility of the cities. There have been approximately 15 new

Action ID	Action	Action Status/Comments
		sirens purchased utilizing HMGP KS statewide grants in the last two years.
County-13	Promote private insurance	Johnson County EMM community preparedness conducts public education focused on an all-hazards approach. Many forms of communication are used such as presentations, Radio Talk Shows, & Social Media (Twitter, Facebook, websites, etc)
County-14	Promote crop insurance	Johnson County EMM community preparedness conducts public education focused on an all-hazards approach. Many forms of communication are used such as presentations, Radio Talk Shows, & Social Media (Twitter, Facebook, websites, etc)
County-15	Floodproof buildings	Ongoing. Providing staff support to property owners to identify options for floodproofing techniques for buildings as appropriate.
MultiJ-1	Safe Rooms in Private Non-Profit Schools	Ongoing. Johnson County EMM is working with the State to build educational information to share with all schools (private and public)
MultiJ-2	Continue Training Responders to Hazardous & Radiological material spills	This is an ongoing training standard.
MultiJ-3	Continue participation with the Kansas City Regional Terrorism Early Warning Group (TEW)	County Law Enforcement has continual interaction with the TEW group.
MultiJ-4	Increase public & fire dept. training on wildland urban interface fires	KS Forest Service has held 5 training sessions with Johnson County FD #1
MultiJ-5	Provide homeowner education on wildfire mitigation in wildland-urban interface	KS Forest Service has sent out WUI educational materials to Johnson County fire departments 4-6 times since the plan was implemented.
MultiJ-6	Reduce hazardous fuels in prioritized wildfire risk areas	KS Forest Service has held some planning meetings with Johnson Co Parks Department with a goal of beginning some fuel reduction prescribed burning programs, but funding & coordination has not been implemented to date.
DeSoto-1	Flood Control Projects	Ongoing, but no funds available.
DeSoto-2	Back-up generators for Fire Station and EOC	Ongoing, but no funds available.
DeSoto-3	Fire Station Windstorm Damage Mitigation	Ongoing, but no funds available.
Edgerton-1	NFIP - Continue Compliance	Not Reported.
Edgerton-2	Edgerton Storm Shelter	Not Reported.

Action ID	Action	Action Status/Comments
Edgerton-3	Portable Electric Generators	Not Reported.
Edgerton-4	Edgerton Storm Siren System Expansion	Not Reported.
Edgerton-5	207th Street Grade Separation	Not Reported.
Edgerton-6	Edgerton Marias des Cygnes Watershed Stormwater Infrastructure	Not Reported.
Edgerton-7	Edgerton Dam Infrastructure Repair & Upgrade	Not Reported.
Fairway-1	Public education of city businesses, home owners, and residents	Ongoing.
Fairway-2	NFIP- continue compliance	Ongoing. Studies and mapping have been completed for the Rock Creek Watershed.
Fairway-3	Flood control projects and storm sewer upgrades	Ongoing.
Fairway-4	Trailer-mounted, portable generator	Ongoing.
Gardner-1	Storm Watershed Master Plan Study	Not Reported.
Gardner-2	Flood Control Projects – Doublegate Culvert Replacement Project	Not Reported.
Gardner-3	Generator Project	Not Reported.
Gardner-4	National Flood Insurance Program – continue compliance	Not Reported.
Gardner-5	Tornado Sirens	Not Reported.
LQuivira-1	Emergency Power Back-up Generator for City Hall facility	Not Reported.
LQuivira-2	Emergency Evacuation Exit for gated residential community	Not Reported.
Leawood-1	NFIP - Continue Compliance	Participation in NFIP – Ongoing, updated City ordinance to adopt 2009 n Membership in CRS – Have reviewed but not moving forward at this time
Leawood-2	Natural Resource Protection	Ongoing. Need assistance from both sides of state line and grant funding.
Leawood-3	Natural Resource Protection of Tomahawk	Ongoing. No funding at this time. In 2010, two sections of the trail were moved back from the creek to provide more time until funding is available.

Action ID	Action	Action Status/Comments
	& Indian Creeks	
Leawood-4	Emergency Services- Protection of Utilities at a Critical Facility	Completed. Generator installed in early 2011.
Leawood-5	Installation of additional warning system sirens and computer monitoring system.	Partial Completion. Three new warning sirens installed at 142 <sup>nd</sup> & Kenneth Rd, 9/22/2010, \$23,000, 115 <sup>th</sup> & Granada, 11/15/2010, \$23,000 and 147 <sup>th</sup> & Ash 5/3/2011, \$23,000. One of the sirens was funded with the HMGP statewide grant. No action on monitoring system at this time.
Leawood-6	Emergency Services – Warning Systems: Weather Radios	Ongoing. Plan to move forward on this in near future without grant assistance.
Lenexa-1	Continue NFIP participation	Not Reported.
Lenexa-2	Construction of Public Safe Rooms	Not Reported.
Lenexa-3	Back-up generators for critical facilities	Not Reported.
Merriam-1	NFIP – Continue Compliance	Ongoing. The City educated their residents regarding floodway regulations & in 2009, held public meetings to discuss changes to the floodway along Turkey Creek. USACE is completing a feasibility study for a project on Turkey Creek with target completion in 2017
Mission-1	NFIP – Continue Compliance	Ongoing strategies to reduce the City's floodplain. The City submitted justification to FEMA for new maps to reduce floodplain.
Mission-2	Sylvester Powell Jr Community Center Disaster Prep Project	No longer applicable.
Mission-3	Additional Generator for Public Works Facility	No longer applicable. Existing generator is sufficient.
MHills-1	NFIP - Continue Compliance	Ongoing.
MHills-2	Mission Drive Channel	Ongoing Capital Improvement Project.
MHills-3	Flood Warning System - Phases II and III	Ongoing Capital Improvement Project.
MHills-4	Realign Brush Creek in Hiawasse Park	Ongoing Capital Improvement Project.
MHills-5	Peetwood Park Improvements	Completed. Bridge project was completed in 2009 & the Stream Channel Project was completed in 2010.
MWoods-1	Re-Join National Flood Insurance Program	Not Reported.
Olathe-1	Cedar Creek Wastewater Treatment Plant flood wall	Ongoing-target completion 2012

Action ID	Action	Action Status/Comments
Olathe-2	Flood Home Buy-Out for up to five structures	Completed-5 homes purchased
Olathe-3	Safe room in future public building	Not Applicable - lack of available funding
Olathe-4	Trailer-mounted, portable generator	Not Applicable - lack of available funding
Olathe-5	CERT training program	Ongoing-however grant funding has been mostly eliminated
Olathe-6	Storm drainage culvert expansion at 147/Brougham Dr.	Completed
Olathe-7	All-Hazard Citizen Education	Ongoing-efforts to date have mostly been pamphlets provided to citizens at community events
Olathe-8	Expansion of Olathe Outdoor Warning System	2 sirens installed for the southern part of community utilizing HMGP statewide grant
Olathe-9	Upgrade computers for the Olathe EOC & DOC	Ongoing—these computers have been successfully rolled into the city computer replacement program.
Olathe-10	Water Plant 2 chlorine gas retrofit	Ongoing-scheduled for completion in 2014
Olathe-11	New construction of free standing safe rooms at Santa Barbara Mobile Home Estates	Not Applicable - lack of available funds
Olathe-12	Continue NFIP participation	Ongoing
OP-1	Continue NFIP participation	Ongoing. In 2009, new studies & mapping were adopted for Indian Creek, Turkey Creek, Brush Creek, & the Blue River Watersheds. The City has been accepted in the CRS program as a Class 8 in October 2009.
OP-2	Acquisition of structures with rep. flood losses.	Ongoing-some have been acquired.
OP-3	Public Education for City Businesses, Home owners, Residents, & all City Staff in OP for disaster preparedness, mitigation, & recovery.	Ongoing. This program has been slow to develop due to budget cuts and reallocation of resources including personnel.
OP-4	Flood Control Projects and Storm Sewer Upgrades	Ongoing. Possibly in 1-2 years to complete 10 or more.
OP-5	Evaluation of Critical City Facilities for compliance with FEMA 361.	Ongoing. Funding in needed.

Action ID	Action	Action Status/Comments
OP-6	Fire Station Safe Room	Ongoing. Funding in needed. Additional fire station safe room may be needed for 159 <sup>th</sup> & Metcalf facility in next 3-5 years.
OP-7	Generator Project	Ongoing. Funding in needed. Additional fire station safe room may be needed for 159 <sup>th</sup> & Metcalf facility in next 3-5 years.
OP-8	Electronic Plan Review and Recording	Ongoing. Several meetings related to this initiative have occurred, but lack funding.
OP-9	Fire Station Windstorm Damage Mitigation	Ongoing. Funding in needed. Additional fire station safe room may be needed for 159 <sup>th</sup> & Metcalf facility in next 3-5 years.
PV-1	Bury Underground Utility Cables	Ongoing. Underground utilities lack appropriate funding to complete.
PV-2	National Flood Insurance Program	Ongoing.
Roeland_Pk-1	Back-up generators for City Hall/Police Department and city community center	Not completed-lack of funds
Roeland_Pk-2	National Flood Insurance Program	Ongoing
Roeland_Pk-3	Habitable building buyout	Stormwater project will mitigate this
Shawnee-1	Floodplain Management	Ongoing
Shawnee-2	Active building code enforcement	Ongoing
Shawnee-3	Inclusion of tornado safe rooms in all future buildings built by the City	Ongoing
Shawnee-4	Habitable building buyout	Ongoing
Shawnee-5	Improve flood hazard areas through the use of conveyance system structural improvement.	Ongoing
Shawnee-6	Shawnee will work mitigate the impacts of a winter storms.	Ongoing
Shawnee-7	Floodwarning System Implementation	Working with USGS to improve flood warning system
Shawnee-8	Floodproof buildings	Ongoing
SpringH-1	Tornado safe rooms in all future city buildings.	Ongoing. Updated estimated cost to \$100,000.
SpringH-2	Continue compliance with NFIP	Ongoing.

Action ID	Action	Action Status/Comments
SpringH-3	Public information distribution after a disaster	Ongoing-working on flyers
SpringH-4	Portable generator for City Hall	Ongoing. Updated estimated cost to \$7500.—Capital Improvement project, waiting on funding
Westwood-1	Back-up generators for critical facilities	Not Reported.
Westwood-2	Continue Compliance with NFIP	Not Reported.
Westwood_Hills-1	Continue Compliance with NFIP	Not Reported.
USD229-1	Blue Valley Schools Safe Rooms	3 new buildings have opened with built-in severe weather shelters since May 2009. Also district has completed an “area of refuge” which enhanced the windows, doors, & ventilation systems of existing shelter areas in 23 buildings and completed “addition and renovation” in 2 high schools which added shelter space. The approximate cost was \$1.5 million for all of these changes. Funded by bond
USD230-1	Tornado safe rooms at all attendance centers	Ongoing. The bonds have not been approved & thus construction has not started—Bond issue did pass.
USD231-1	Severe Weather Refuge Area Improvements Study	Not Reported.
USD231-2	Tornado safe rooms in Schools	Not Reported.
USD232-1	Safe Room Tornado Shelters in Schools	Planned Project. Architectural drawings & bidding for a reinforced shelter in the Phase III construction project at De Soto High School will take place in early summer 2011.
USD232-2	Educate students and/or stakeholders	Ongoing. District has stepped-up the number of all-hazard drills.
USD233-1	Safe Room Tornado Shelters in Schools	Ongoing. At this time, these suggested types of shelters are not fiscally feasible.
USD233-2	Back-up generators for food production center, central office, & Jr high for safe room	Ongoing.
USD512-1	Shawnee Mission Schools Safe Rooms	The architect estimated the cost to meet the FEMA design criteria would add about \$1 million to the project & would not accommodate the type of A/C system used for the school. So instead, they located a couple of basement classrooms to use as storm shelters.
KSDeaf-1	All-Hazard Staff & Students Evacuation Plan/Education	Ongoing
JCCC-1	Upgrade new Library & other new buildings with safe rooms	Not Reported.

<b>Action ID</b>	<b>Action</b>	<b>Action Status/Comments</b>
KUEdwards-1	Update Emergency Management Plan	Ongoing.
KUEdwards-2	Public Education	Completed. Created an Edwards Alert text notification system.
KUEdwards-3	Future Design of Buildings - Include Safe Room Design	Not applicable any longer.
KUEdwards-4	Mutual Aid Agreement	Ongoing.
ConsFD2-1	Replacement of doors at emergency fire protection facility	. Temporary repairs have been made. The station will be completely replaced in 3-5 yrs.
FD1-1	Fire Station Windstorm Damage Mitigation	Not Reported.
FD2-1	Fire Station Windstorm Damage Mitigation	Ongoing
FD2-2	Purchase Back-up generators	Ongoing
FD3-1	Back-up generators for fire stations	Ongoing, but funds are not available.