



*City of Arkadelphia
Building Department
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Date: July 29, 2019

To: City Board of Directors

Cc: Gary Brinkley, City Manager; The Standard; Arkadelphia Dispatch

From: DeAnna Graves, Permit Coordinator

Re: Annual Meeting of the Hazard Mitigation Committee

The annual meeting of the Hazard Mitigation Plan Committee was held on July 26, 2019 at 9:30 a.m. in the Conference Room of Arkadelphia Fire Station 1 at 610 Caddo Street, Arkadelphia, Arkansas. This meeting is a requirement per the plan. The following members were in attendance:

Jason Hunt – Arkadelphia Fire Chief
Tate Chandler – Clark County OEM
Brandon Tollett – OBU Office of Safety and Emergency Management
Robert Jones – HSU Police Department
Larry Cain – Clark County 911 / Floodplain Administrator
Gary Brinkley – Arkadelphia City Manager
Jeff Crow – OBU OEM
DeAnna Graves – Building Department Staff / Floodplain Co-Administrator

The Hazard Mitigation Plan report, being submitted for recertification, is attached for your viewing. If you any questions concerning the report, please do not hesitate to contact our office at 870.246.1818.

Our office looks forward to collaborating with the various agencies, schools and communities to improve the health and safety of the citizens of Arkadelphia and Clark County.

Thank you.

COMMUNITY RATING SYSTEM ACTIVITY 510 FMP: Floodplain Management Plan (Clark County Hazard Mitigation Plan 2017)

Annual evaluation report on progress in implementing the city's action items for 2019 CRS recertification. DeAnna Graves, Co-Floodplain Administrator was a participant at the annual report meeting on July 26, 2019.

As required, for Community Rating System (CRS) credit for activity 510, the annual report will be submitted to the governing body (City of Arkadelphia Board of Directors), released to the media, and made available to the public.

CITY OF ARKADELPHIA MITIGATION ACTION ITEMS AS LISTED IN 4.4 MITIGATION ACTIONS/PROJECTS

ACTION ITEM	ASSOCIATED HAZARD	COMPLETED	TIME LINE: ON GOING UNLESS OTHERWISE NOTED	COMMENTS REGARDING PROGRESS/STATUS
<p>1. Prepare and adopt an Outdoor Warning Sirens Plan, including consideration of the unique geographic locations, technical requirements, system types and operational procedures of each local jurisdiction. These plans will include a review of existing outdoor warning siren coverage and recommend new locations if and where there are coverage gaps. Install new warning sirens in accordance with plan recommendations.</p>	<p>Tornado and dam failure</p>	<p>X</p>		<p>There is an outdoor warning siren system in place. System is tested every Wednesday at noon. Continue to Monitor and evaluate the need for new locations as community grows.</p>
<p>2. Implement Code RED weather warning early telephone warning system designed to automatically deliver targeted weather notification for the immediate threats of severe weather events within moments of being issued by the National Weather Service (NWS) throughout Clark County.</p>	<p>Flood, Thunderstorm, Tornado, Winter storms, Earthquake, Dam Failure, Wildfire</p>		<p>X</p>	<p>Upon gathering research for the Code Red system, we realized there was another option that had more functions and capabilities. The County is working towards providing the RAVE Alert System for the citizens.</p>
<p>3. Install NOAA weather radios in all public buildings where large numbers of people congregate.</p>	<p>Dam failure, drought, earthquake, extreme heat, flood/flash flood, thunderstorms, tornado, wildfire, winter storms/ice storms</p>		<p>X</p>	<p>Need to identify any buildings where large numbers of people congregate and are not equipped with a NOAA weather radio. RAVE Alert could provide this need.</p>

ACTION ITEM	ASSOCIATED HAZARD	COMPLETED	TIME LINE: ON GOING UNLESS OTHERWISE NOTED	COMMENTS REGARDING PROGRESS/STATUS
4. Install heavy duty generators to back up and maintain electrical power for critical facilities, schools and shelters to maintain power and water supply during disasters	Dann Failure, Extreme Heat, Flood, Lightning, Thunderstorms Tornado, Wildfires, Winter Storms, Ice Storms		X	Arkadelphia Parks and Rec Center has been wired for a generator. Need to acquire funds to install the generator. Arkadelphia Water & Sewer have a portable one. The AT&T cell towers and Energy communication tower have generators.
5. Use newspapers and websites to promote the use of Weather Apps for iPhone and smart phones. *We currently do not have a local radio station.	Dann failure, drought, earthquake, extreme heat, flood/flash flood, thunderstorms, tornado, wildfire, winter storms/ice storms		X	The City of Arkadelphia and the County are utilizing Facebook to promote weather apps and inform citizens of weather emergencies. We hope to promote the RAVE Alert system soon.
6. Create a data base to track individuals at high risk of death such as the elderly, homeless and special needs etc.	Dann failure, earthquake, extreme heat, winter/ice storms, tornadoes, flooding, wildfires, drought		X	Is ongoing. The Fire and Police Departments continue to work together to track individuals at high risk. The RAVE Alert system would be beneficial in this endeavor.
7. Construct safe rooms within new and existing public buildings, such as schools, libraries and community centers	Thunderstorm winds and tornadoes		X Time line 5/2/2021	Peake School and Fire Station 1 have safe rooms. Identify buildings where safe rooms would be beneficial and acquire funding.
8. Purchase and install emergency back-up generators in all public buildings where safe rooms are installed and at public utilities to maintain emergency functionality during power outages	Dann failure, extreme heat, flood, lightning, thunderstorms tornado, wildfires, winter storms, ice storms		X	Public Utilities & Fire Station 1 have back-up generators. Both the old Amory & FBC can be utilized as a disaster shelter and have generators.
9. Purchase and install emergency back-up lighting in all public shelters and safe room that do not already have them.	Flood, Lightning, Thunderstorms, Tornado, Winter Storms, Ice Storms		X	Fire Station 1 has back-up lighting. Peake School safe room unknown. Find out and address at next meeting.

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10. Apply window film to windows at public schools and public buildings as able to prevent shattering	Earthquakes, Thunderstorms, Tornadoes		<p style="text-align: center;">X</p> Time line 3 years: 5/2/20	Some windows were removed from the schools to mitigate. Need to evaluate the need or if this has been completed.
11. Conduct or gather inundation data in regards to dam failures in the county and participating jurisdictions.	Dam failure		<p style="text-align: center;">X</p> Time line 2/2020	Tate Chanler to provide that information.
12. Implement an outreach program directed at agriculture community to include programs that educate farmers on benefits of buying crop insurance mitigation actions and the economic effects of prolonged drought.	Drought		<p style="text-align: center;">X</p>	County Extension Office & Farm Credit both have information on their websites covering crop insurance. Check with both agencies for outreach programs they may have implemented.
13. Encourage installation of green roofs, which provide shade and remove heat from roof surface and surrounding air.	Extreme heat		<p style="text-align: center;">X</p>	We need to re-evaluate this item for feasibility.
14. Establish and promote accessible cooling centers/shelters for vulnerable, special-needs, and at risk populations.	Extreme heat		<p style="text-align: center;">X</p>	The Arkadelphia Parks and Rec. Center has a room available during extreme heat. The Community Enrichment Center distributed box fans to those in need.
15. For critical facilities and public buildings-keep water out by strengthening walls, sealing openings, and/or using waterproof compounds or plastic sheeting on walls. This is intended for non-residential structures-either in new construction, while making a substantial improvement, or while repairing a substantially damaged structure.	Flood/flash flood		<p style="text-align: center;">X</p> Time line 3 years: 5/2/20	Building Department staff will enforce adopted codes on new construction or encourage implementation during improvements of less than substantially damaged structures

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16. Set the design flood elevation at or about the historic high water mark if it is about the mapped base flood elevation.	Flood/flash flood	X Time line 1 year: 5/2/18		Arkadelphia adopted a Flood Damage and Prevention Ordinance and Code on 2/12/12. This is an Arkansas model ordinance approved by FEMA and NFIP.
17. Implement and retrofit construction plans to modify low water bridges in the area that are susceptible to flooding.	Flood/flash flood		X Identify bridges by 2/2020	Solicit the County and City Road Departments in identifying which bridges are susceptible to flooding and implement construction plans to retrofit those bridges.
18. Regulate development in upland areas in order to reduce storm water run-off; using erosion control techniques that may be employed within a watershed area such as proper ban stabilization with sloping or grading techniques, planting vegetation on slopes, terracing hillsides, or installing riprap boulders or geotextile fabric.	Flood		X	Building Department staff continues to enforce the floodplain requirements as adopted through our storm water design and erosion control ordinances.
19. Increase capacity for storm drainage by increasing the sizing of all culverts when upgrading roads, bridges and similar county infrastructure.			X	City staff continues to increase capacity for storm drainage in accordance with engineered calculations per our ordinances. County is increasing size as needed when making repairs.
20. Conduct NFIP community workshops to provide information for property owners to acquire flood insurance.			X	This is ongoing. City staff mails out flood insurance information once a year. We are redesigning our floodplain page for the new City's website and updating links to information as needed. Brochures are available in City Hall, Southern Bancorp and the Library. Distribute flood insurance information during a city-wide event fairs and events.

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21. Acquire properties that are deemed repetitive loss properties or severe repetitive loss properties through mitigation	Flood		X	The City of Arkadelphia has only one repetitive loss property. Staff continues to mail out information to the repetitive loss area.
22. Gather new flood data or conduct studies to meet any data deficiencies that were determined in this plan.	Flood		X	As an NFIP community, we receive periodic revisions to our flood insurance studies from FEMA. No new data.
23. Trim trees to reduce damage to utilities such as powerlines	Winter and ice storms		X	Ongoing. Both the Street Dept and Utility Companies work on this.
24. Install tornado-warning sirens across planning area as funds become available.	Tornado		X	City will seek funding for this for future annexed areas as needed.
25. Installing and maintaining surge protection to protect against lightning strikes on all critical electronic equipment.	Thunderstorm winds, hail and lightning	X Time line 2 years: 5/2/19		Surge protection has been installed on all critical electronic equipment in the City.
26. Install lighting protection devices and methods such as lightning rods and grounding on communication infrastructure and other critical facilities.	Thunderstorm, lightning	X Time line 3 years: 5/2/20		Perform maintenance checks on all communication infrastructures and critical facilities that have lightning rods and are grounded to ensure still functioning.
27. Provide free technical assistance brochures and pamphlets from FEMA, FireWise, and ADEM on potential wildfire mitigation activities for homeowners.	Wildfire		X	Staff will mail out FEMA fire prevention and Fire Wise information during the annual flood outreach and placed the information on the city's website.
28. Adopting Ordinances that limit development in areas that could be affected by flooding caused by dam failure.	Dam failure		X Time line N/A	Tate Chanler to provide information on dam failure by 2/2020
29. City officials and community leaders can encourage utility companies to offer special arrangements for paying utility bills.			X	Water Utilities offers a level payment program. Entergy and CenterPoint offer level/averaging payment programs and financial assistance programs

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30. Sponsor a "Helping Your Neighbor" program through local schools and fire department to assist the needs of persons who require special assistance such as elderly people, infants or people with disabilities during extreme heat conditions.	Extreme heat		X	Fire Department will distribute box fans during extreme heat.
31. All communities should join the National Flood Insurance Program	Flood	X		Amity, Arkadelphia, Caddo Valley, Gurdon and Clark County have joined the NFP and Arkadelphia is a CRS community
32. Improve public awareness of tornado and high wind risks, safe rooms, wind construction methods, safe zones around the home, and NOAA weather radio warning system.	Tornadoes, high winds	X		Need to set a date for a Tornado Awareness Day prior to tornado season and instruct the public how to identify safe zones around their home.