



**STATE OF ARKANSAS**  
**ASA HUTCHINSON**  
**GOVERNOR**

**April 21, 2016**

The Honorable Barack H. Obama  
President of the United States  
The White House  
1600 Pennsylvania Avenue, N.W.  
Washington, DC 20500

Through: George A. Robinson, Regional Administrator  
FEMA Region 6  
800 North Loop 288  
Denton, TX 76209

Dear Mr. President:

Under the provisions of Section 401 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. §§ 5121-5207 (Stafford Act), and implemented by 44 CFR § 206.36, I request that you declare a major disaster for the State of Arkansas as a result of severe storms, flooding and tornadoes that occurred in the state beginning March 8, 2016 through March 13, 2016. In response to this event, I took appropriate action under state law and directed the execution of the Arkansas Comprehensive Emergency Management Plan on March 8, 2016. On March 10, 2016, I declared Arkansas, Ashley, Bradley, Calhoun, Chicot, Drew, Jefferson, Lincoln, Monroe, Ouachita, and Phillips Counties disaster areas. On March 11, 2016, Cleveland and Desha Counties were declared disaster areas. On March 14, 2016, Columbia, Prairie, and Scott Counties were declared disaster areas. On March 16, 2016, Lee County was declared a disaster area. The affected jurisdictions have also declared a state of emergency and have requested state resources and support, along with the Individual Assistance (IA) Grant Program and the Public Assistance (PA) Grant Program. The local governments and the State of Arkansas are bearing the cost for response and recovery from this disaster. The currently approved State Hazard Mitigation Plan expires on September 12, 2018.

Beginning March 8, 2016 through March 13, 2016, high water road closures and debris prompted numerous swift water rescues and treacherous driving conditions, resulting in a response from state and local officials and agencies at all levels. Chicot, Desha, Jefferson, Lincoln, and Phillips Counties had a combined total of 24 swift water rescues along with 208 voluntary residential evacuations.

State Emergency Support Functions (ESFs) and various voluntary agencies provided assistance throughout the state for the period of severe storms, flooding, and tornadoes. The U.S Army Corps of Engineers (USACE) provided sandbags to multiple counties and government agencies. In Chicot County, the American Red Cross, along with Southern Baptist Disaster Relief, assisted in providing a shelter for the city of Lake Village. They provided food, and support services as needed to residents and evacuees from a flooded senior apartment complex. In Dermott, the Tabernacle Baptist Church was used by Arkansas Baptist State Convention Disaster Relief to support feeding and sheltering for 30 people on March 11<sup>th</sup> and 12<sup>th</sup>. The First Baptist Church in McGhee sheltered residents from nearly 80 homes. In Ashley County, cots, blankets, water, and comfort kits were delivered to the North Crossett First Baptist Church and the Promise Land Missionary Baptist Church in Hamburg. Then United Methodist Committee on Relief assisted numerous residents in southeast Arkansas by distributing flooding clean up kits and helping the local emergency coordinators gain better visibility of affected homes in their counties. American Red Cross provided services in Phillips County for two separate families in need of emergency assistance and lodging due to the flooding. The American Red Cross completed damage assessments for tornado damage in Jefferson, Lincoln, Lonoke, Montgomery, Pulaski, and Scott Counties. They also conducted damage assessments for flooding in Ashley, Chicot, Cleburne, Desha, Drew, Jefferson, Lee, Phillips, and Pulaski Counties. An Arkansas Forestry Commission crew assisted in removing debris from Highway 113 and Highway 10 at the Perry and Pulaski County line. Arkansas Highway and Transportation Department assisted the Chicot County Sheriff's Department with road barricades for Highway 165 between Highway 35 and 65 to ensure that citizens would not attempt to drive through high waters. Arkansas Department of Emergency Management (ADEM) requested the Civil Air Patrol (CAP) to assist the state by executing an aerial fly-over of the most impacted areas to capture imagery of homes, businesses, highly populated areas of flooding and areas with wind damages.

A series of severe thunderstorms produced tornadoes, damaging winds, and both flooding and severe flash flooding in Arkansas beginning the evening of March 8, 2016 through March 13, 2016. These destructive storms that devastated the state have had an extremely adverse effect on local jurisdictions. In the morning of March 8, 2016, a large storm system inched toward Arkansas from the southwest and pumped tons of moisture into the region from the Gulf of Mexico. This storm system produced wind damages across the south half of the state. In isolated areas, the storms produced wind gusts that reached at least 60 mph. In seventy two hours there was as much as 9 inches of rainfall in certain areas of the southeast. By the afternoon of the 13<sup>th</sup>, storms intensified in western sections of the state and became more numerous as they worked into central and eastern sections of the state throughout the evening. It was an active severe weather episode, with nearly 60 tornado and severe thunderstorm warnings issued by the National Weather Service. There were also at least ten tornadoes (rated EFO to EF1) across the state. This includes a small tornado that touched down on the south side of Dermott which impacted the Department of Corrections Delta Unit. These were the first tornadoes of 2016 locally. March was the wettest month on record in Chicot County, with 19.94 inches tallied. The previous record was 18.97 inches in December 1982. It was the second wettest month in Desha County with 18.23 inches, which is just short of the 20.19 inches in April 1991. Jefferson County had the fourth wettest month with 15.68 inches, short of the 18.20 inches in March 1894.

Once it was determined that the extent of damages were found to be beyond the capacity of local jurisdictions, ADEM requested Joint PA Preliminary Damage Assessments (PDAs) from FEMA for Arkansas, Ashley, Bradley, Calhoun, Chicot, Cleveland, Columbia, Desha, Drew, Jefferson, Lee, Lincoln, Ouachita, Phillips, Prairie and Scott Counties. Public Assistance Preliminary Damage Assessments were initially conducted week of March 28, 2016. During the initial PDAs, several sites were still under water and the damages were not able to be verified. Due to the fact that areas were still under water and extensive damages could not be verified, I requested a time extension for requesting a major disaster declaration so that more time would be available to conduct PDAs. The extension was approved through April 22, 2016, and secondary PDAs were scheduled and completed from April 13, 2016 to April 15, 2016. The PDA teams conducted thorough damage assessments and verified damages for affected cities, municipalities, and state agencies in the above mentioned counties. The state declaration indicator for PA in Arkansas is \$4,111,444 and PA PDA totals came in at \$6,117,513.00. See attachment B.

Joint IA PDAs were requested for Arkansas, Ashley, Chicot, Desha, Drew, Jefferson, Lee, Lincoln, Phillips, and Scott Counties. See attachment A.

The following information is furnished on the nature and amount of state and local resources that have been, or will be, used to alleviate the conditions of this disaster:

Prior to the storm, the State's Emergency Operations Center (SEOC) began monitoring and coordinating with various state agencies, ESFs, and the Arkansas National Guard to facilitate any necessary response efforts. ADEM Area Coordinators supported local government response efforts and directly supported the local emergency management coordinators and elected officials. The SEOC was activated at Level II (Limited Activation) beginning on March 10, 2016, at 1310 and then transitioned to Level III (Increased Preparedness) at 1630 that same day. The activation level remained at Level III, until 1400 on March 12, 2016, when it returned to Level IV (Normal Operations). On March 13, 2016, the SEOC was again activated to Level III at 1715 and returned to Level IV at 1630 on March 14, 2016.

The nature of the storm significantly impaired the ability to travel in the affected areas of the state. Beginning in the evening hours of March 8, and throughout the following week, Arkansas State Police Troops A, B, D, E, F, and G reported numerous traffic accidents and roadway closures. Due to flooding, debris and downed power lines, multiple traffic accidents were reported and numerous major highways were closed. The Arkansas Highway and Transportation Department and local road crews worked continuously to monitor flood waters, set up barricades and make emergency repairs. On March 10, Lincoln County reported 75 roads were closed due to high water. On March 25, 33 of those 75 county roads were still blocked, including State Highways 54 and 85. The county also experienced a road washout on State Highway 212. In Arkansas County, the Local Emergency Management Coordinator reported that 85% to 95% of roads in the county were under water. This included Highway 146, Highway 153 and Highway 233 from Stuttgart to Crocket Bluff, Highway 152 and Highway 17 out of DeWitt, and Highway 163 South at Highway 152. By March 25, 80% of Arkansas County's roads were still under water, including those listed above. In Calhoun County, County Road 5, along with Highways 72 and 365 stayed closed due to high water from March 9 to March 25. Chicot County experienced multiple closures over the incident period with approximately 80% of roads in the county being impassable due to flood waters.

Highway 35, from the Dermott city limits to the Drew County line, and Highway 165 were closed from March 9 to March 12; the majority of the time both highways were blocked with barricades due to the severity of the flooding. Water continued to rise for several days on US 82 between Lake Village and Ashley County. In Ashley County, AR 133 North from North Crossett to the Arkansas 8 intersection near Fort Hill was closed due to high water. The road stayed closed until March 25. US 425, at the Arkansas/ Louisiana line, to US 82 just south of Hamburg was closed due to washout areas at the 4 mile and 7 mile maker. These areas were not reopened until the 25 of March as well. Highway 82 at the Bayou Bartholomew Bridge was also closed until the 25<sup>th</sup>.

The State of Arkansas has endured 4 state disasters and 2 federally declared disasters since the beginning of 2015. All disasters have drastically crippled recovery in the State. All of these events have severely depleted the Governor's Disaster Relief Fund. Although Arkansas does have a State Individual Assistance Program and a State Public Assistance Program, it would be difficult for the State to bare all of the financial responsibilities and properly recover from this event without the assistance of a Presidential Disaster Declaration for the requested counties. The State Individual Assistance (IA) program, in conjunction with the federal IA program, assisted 736 individuals with payouts totaling \$2,345,681.80 to citizens affected by severe storms and flooding in the past two federal disasters. In the last two years, the total amount of damages obligated under the PA Program has exceeded \$12 million dollars with a total projection amount of \$16.5 million. In addition to the disasters declared within the last 12 months, State of Arkansas continues to recover from 19 presidentially declared disasters since 2008, along with a multitude of state declared events. This disaster occurred 3 months after FEMA, in conjunction with the State of Arkansas, activated the Federal IA program, which led to \$1,112,832.60 being paid to individuals who endured another severe storm and flooding event. However, in the past 24 months, FEMA and the State of Arkansas have assisted 1,097 disaster applicants in Arkansas totaling \$5,372,764.04. In the past 8 years, there have been a total of 10,339 individuals affected by disasters with payouts. Many of the same counties in Arkansas are continually inundated with severe weather, which has put a burden on not only the local jurisdictions but also the state's ability to effectively continue to respond to and recover from such events. Arkansas has a PA cost share of 12.5% for federally declared disasters, as well as a 25% cost share for other needs assistance under the Federal IA program. The State of Arkansas also reimburses eligible applicants 35% of eligible cost under the State Public Assistance Program. The Governor's Disaster Fund continues to defray both program and administrative costs for all open state and federally declared disasters. The State of Arkansas has endured two large disasters in the last year. On May 8, 2015, severe storms, tornadoes and flooding impacted 13 counties resulting in 396 homes impacted with assistance in the amount of \$1,110,345.95 being provided to citizens. To further complicate recovery, another disaster occurred on December 23, 2015 which impacted 19 counties with a total of 474 homes incurring damage from the severe storms, tornadoes and flooding. The State is still undergoing massive recovery efforts after flood waters impacted 474 homes with extensive damage being done to 322 of the homes. Jefferson County was one of the largest counties affected in both May 2015 and December 2015. In Jefferson County, a combined total of 232 homes were impacted. The severe storm that affected Jefferson and additional counties in December 2015 led to an additional \$1,155,684.90 in Individual and Housing Assistance from FEMA. Combined, these storms led to \$2,266,030.85 being granted to approved applicants. As recovery efforts continue in the state, we have now been overwhelmed, three months later, by another disaster. On February 15, 2015, a severe winter storm impacted Clark County and left debris

scattered throughout the applicant's right of ways. On March 25, 2015, Carroll County sustained major road damages due to severe storms and flash flooding. On April 3, 2015, Fulton County was also impacted by flooding causing major road damages. On July 4, 2015, Cleveland and Hempstead Counties were impacted by severe storms and flooding. All of these events were declared as disaster areas by the State of Arkansas and required a response from the local and state level to ensure the impacted jurisdictions were able to recover. On May 8, 2015, multiple counties were impacted by severe storms and flooding. Arkansas received a presidential disaster designation (FEMA 4226-DR-Arkansas) for assistance to individuals and households; assistance for emergency work and the repair or replacement of disaster-damaged facilities was also declared. Arkansas was once again impacted by severe storms, tornadoes, straight line winds and flooding that occurred December 26, 2015 to January 22, 2016. On February 5, 2016, Arkansas received a presidential disaster designation (FEMA 4254-DR-Arkansas) for assistance to individuals and households as well as emergency work and the repair or replacement of disaster-damaged facilities. DR 4254 was declared 8 months after receiving DR 4226. The State of Arkansas is actively working with FEMA at the PA processing center for DR 4254. All of these events have severely depleted the Governor's Disaster Relief Fund. Although Arkansas does have a State Public Assistance Program and a State Individual Assistance Program, if we do not receive a Federal Declaration for the requested counties the State will not be able to bare the financial responsibilities and properly recover from this event.

To further delay the efforts of recovery, the counties must deal with poverty. While infrastructure is crucial to economic growth, citizens also play a vital role in the need for recovery efforts. According to the United States Census Bureau, Arkansas currently has 19.2% of individuals below the poverty level, making the state the fourth in the nation among impoverished states. While this may not appear to be a large number, the average number of individuals living below the poverty level within the counties affected is 29.7%, with Phillips County representing the largest amount. However, each affected county struggles with poverty. Severe poverty is a major component in economic depression, leading to the need for assistance. The median income for Arkansans is \$41,264, but the majority of homes affected represent individuals below the poverty level. The average income for affected counties is \$29,418.50 which creates a hardship for individuals needing to repair or replace their property. A large percentage of elderly and uninsured individuals reside in these communities. Out of the 526 homes that have been assessed so far which were affected during this disaster, 95.06% of the homes were uninsured with 86.31% of those homes being owned versus rented. It is further estimated that 69.01% of those individuals were low income creating an additional hardship for individuals striving to repair their property. There were 4.94% of those homes destroyed during this disaster while another 15.40% of the homes endured major damage. However, a total of 34.60% of individuals experienced some form of damage to their property while 45.06% were heavily impacted by the flooding. The counties are in dire need of assistance in order to help individuals regain suitable living conditions that may not be obtained at their current financial status. The unemployment rate for the 6 counties affected under IA has a combined unemployment rate of 6.6% with Chicot County representing an unemployment rate of 8.5%. The unemployment rate combined with the average household income of \$29,418.50 and 24.9% of the individuals being disabled severely diminish the ability to repair property. The individuals that reside in the 6 counties are seeking to remain in their communities but asking for assistance to repair their property. Based on preliminary damage assessments conducted by the Federal Emergency Management Agency (FEMA), an estimated cost of \$4,104,796 is needed to cover the cost of

temporary housing, repair and replacement housing, as well as provide for other needs required by citizens of these communities. Through the Individual and Household Program (IHP), FEMA has estimated housing assistance for 455 individuals with 431 individuals requiring Other Needs Assistance (ONA) such as clothing, household appliances, vehicle repairs and additional items needed to help regain some normalcy. As with any county, the infrastructure, as well as the citizens of these disaster areas is equally important in the recovery and sustainability of a community.

	Average of Persons Below Poverty Level*	Median Household Income*	Percent Elderly*	Percent Disabled*	Percent Pre-Disaster Unemployment*
National Average	<b>14.8%</b>	<b>\$51,939</b>	<b>14.5%</b>	<b>28.2%</b>	<b>4.9%</b>
State Average	<b>19.2%</b>	<b>\$41,264</b>	<b>15.7%</b>	<b>27.8%</b>	<b>4.7%</b>
<b>Ashley</b>	<b>22.7%</b>	<b>\$35,136</b>	<b>18.4%</b>	<b>26.2%</b>	<b>7.0%</b>
<b>Chicot</b>	<b>32.1%</b>	<b>\$28,086</b>	<b>19.2%</b>	<b>26.2%</b>	<b>8.5%</b>
<b>Desha</b>	<b>27.3%</b>	<b>\$28,457</b>	<b>17.1%</b>	<b>26.2%</b>	<b>7.2%</b>
<b>Lee</b>	<b>31.5%</b>	<b>\$25,034</b>	<b>16.7%</b>	<b>22.3%</b>	<b>6.5%</b>
<b>Lincoln</b>	<b>29.0%</b>	<b>\$32,615</b>	<b>13.5%</b>	<b>26.2%</b>	<b>3.1%</b>
<b>Phillips</b>	<b>35.3%</b>	<b>\$27,183</b>	<b>16.3%</b>	<b>22.3%</b>	<b>7.7%</b>

\* Indicate source of data cited

United States Census Bureau (2015) <http://www.census.gov>

Discover Arkansas (2014) <http://www.discoverarkansas.net>

Disability Statistics (2013) <http://disabilitystatistics.org>

Local Disability Data for Planners (2008) <http://disabilityplanningdata.com>

The State of Arkansas sustained an estimated \$6,117,513.00 in Categories A, B, C, D, E, F, and G damage. The State of Arkansas sustained an estimated \$7,600.00 in Category A, making up .12% of the total estimated cost; an estimated \$67,390.00 in Category B damage, making up 1.10%; an estimated \$5,392,501.00 in Category C damage, making up 88.15%; an estimated \$55,000.00 in Category D damage, making up 0.90%; an estimated \$82,00.00 in Category E damage, making up 1.34%; an estimated \$205,128.00 in Category F damage, making up 3.35%; and an estimated \$307,894.00 in Category G damage, making up 5.03% of the total estimated cost. Preliminary damage estimates show a huge impact to local jurisdictions with damages as high as \$279.90 per resident in Chicot County, \$76.20 in Calhoun County, \$27.25 in Bradley County, \$26.32 in Ashley County, \$24.29 in Arkansas County with an average of \$2.10 per resident for the 12 counties in which PA PDAs were completed.

In conclusion, the State of Arkansas has exceeded its ability to fully recover from the severe storms, which began on March 8, 2016, and continued through March 13, 2016.

The storm brought record breaking rainfall in counties across Southeast Arkansas making it the wettest month on the record for counties such as Chicot. Wind gusts reached at least 60 mph, resulting in ten EFO to EF1 tornadoes across the state. Flood waters caused significant

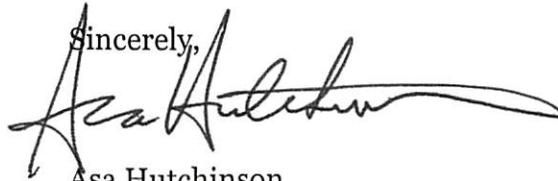
road closures, forced over 200 residents to evacuate their homes, created treacherous driving conditions, and resulted in numerous swift water rescues that prompted a response from state and local officials and agencies of all levels.

Joint PDAs were conducted, and a total of \$6,117,513.00 in damages was estimated for public assistance and over 526 homes were designated as destroyed, major, minor damage or have been affected.

I have determined that these storms were of such severity and magnitude that effective response is beyond the capabilities of the State and affected local governments, and that supplementary Federal assistance is necessary. I am specifically requesting Individual Assistance to include Individuals and Households Program (IHP), temporary housing which may include manufactured housing (mobile homes, park models, etc.), Disaster Unemployment Assistance, Disaster Case Management, Disaster Legal Services, Crisis Counseling, Small Business Administration disaster loans for Ashley, Chicot, Desha, Lee, Lincoln and Phillips Counties.

I am requesting Public Assistance (Categories A-G) for Arkansas, Ashley, Bradley, Calhoun, Chicot, Cleveland, Columbia, Desha, Lincoln, Ouachita, Phillips, and Prairie Counties. I am also requesting Hazard Mitigation be made available statewide. Your favorable consideration for this declaration is appreciated.

Sincerely,



Asa Hutchinson

Enclosures

OMB No. 1660-0009/FEMA Form 010-0-13

A: Individual Assistance

B: Public Assistance

C: Requirements for Other Federal Agency Programs

D: Governor's Proclamations

E: National Weather Service Data

**REQUEST FOR PRESIDENTIAL DISASTER DECLARATION  
MAJOR DISASTER OR EMERGENCY**

1. Request Date Apr 21, 2016

**Burden Disclosure Notice**

Public reporting burden for this form is estimated to average 9 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and submitting the form. This collection of information is required to obtain a benefit. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing the burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street SW, Washington, DC 20472, Paperwork Reduction Project (1660-0009). **NOTE: Do not send your completed form to this address.**

Completion of this form including applicable attachments satisfies legal requirements for emergency and major disaster declaration requests under 42 U.S.C. §§ 5170 and 5191, respectively, as implemented at 44 C.F.R. §§ 206.35 and 206.36. Failure to use this form may result in a failure to meet these requirements and/or a delay in processing the request.

2a. Name of State (as defined in Stafford Act 102, 42 U.S.C. § 5122) or Indian tribal government requesting declaration.  Arkansas	2b. Population (as reported by 2010 Census) or estimated population of Indian tribal government's damaged area(s).  <u>2,915,918</u>
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3. Governor's or Tribal Chief Executive's Name  The Honorable Asa Hutchinson	4. Designation of State or Tribal Coordinating Officer upon declaration (if available) and phone number  Scott Bass 501-683-6700
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5. Designation of Governor's Authorized Representative or Tribal Chief Executive Representative upon declaration (if available) and phone number  
**David Maxwell 501-683-6700**

6. Declaration Request For:  Major Disaster (Stafford Act Sec. 401)  Emergency (Stafford Act Sec. 501(a))

7. Incident Period: Beginning Date Mar 8, 2016 End Date Mar 13, 2016 or  Continuing *If requesting a "continuing" incident period, enclose an official statement from a qualified Federal Government agency acknowledged as a national authority in a specific incident field (e.g., United States Geological Survey for seismic incidents, the National Weather Service for flooding).*

7b. Type of Incident (Check all that apply)

Drought  Earthquake  Explosion  Fire  Flood  Hurricane  Landslide  Mudslide

Severe Storm (rain, high water, wind-driven rain, hail, lightning)  Snowstorm (Must include Enclosure D: Historic and Current Snowfall Data)  Straight-Line Winds

Tidal Wave  Tornado  Tropical Depression  Tropical Storm  Tsunami  Volcanic Eruption  Winter Storm

Other (please specify) \_\_\_\_\_

8. Description of damages (Short description of impacts of disaster on affected area and population). Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.  
The destructive severe storms, tornado and flooding that affected Arkansas on March 8, 2016 through March 13, 2016, had a devastating effect on the State and on local communities in the affected areas. The severe storms, tornado and flooding resulted in 17 Arkansas Counties being declared a disaster area by Governor Hutchinson. The impacts of the event include debris removal, power outages, destroyed homes, multiple search and rescues, and hours of emergency protective measures. Local jurisdictions have been overwhelmed with response and recovery efforts. The State Emergency Operations Center (SEOC) of the Arkansas Department of Emergency Management (ADEM) has confirmed 24 swift water rescues, 208 voluntary evacuations and 5 open shelters with a combined total of approximately 80 residents that sought shelter or were provided some type of assistance for by local voluntary agencies. National Weather Service confirmed 10 tornadoes across Arkansas during the incident period as well as enormous amounts of rainfall of up to 10" in the south eastern portion of the state.

9. Description of the nature and amount of State and local or Indian tribal government resources which have been or will be committed. Include additional details in enclosed Governor's or Tribal Chief Executive's cover letter.  
Prior to the storm, the SEOC coordinated with the various state agencies, State Emergency Support Functions, and the Arkansas National Guard to facilitate response efforts. The SEOC became operational on March 10, 2016, providing resource tracking and resource allocation services to the affected counties. State Emergency Support Functions (ESFs) and various voluntary agencies provided assistance throughout the state providing sandbags, feeding and sheltering, comfort kits, clean up kits as well as provided local jurisdictions with preliminary damage assessments to provide a common operating picture for the event. Arkansas Forestry Commission assisted with debris removal while the Arkansas Highway and Transportation provided road barricades. The Civil Air Patrol was activated to provide imagery of the damaged areas. The Emergency Response Fund of the Governor's Disaster Fund has been activated to defray both program and administrative costs. These funds will be used to reimburse costs for the response efforts, SEOC activation, and fuel and travel costs for preliminary damage assessments. Additional details enclosed in Governor's cover letter.

10. Joint Preliminary Damage Assessment\*

Individual Assistance    Dates Performed    Requested Mar 18, 2016    Start Mar 23, 2016    End Mar 30, 2016

Individual Assistance Accessibility Problems (Areas that could not be accessed, and why)

Public Assistance    Dates Performed    Requested Mar 18, 2016    Start Mar 28, 2016    End Apr 15, 2016

Public Assistance Accessibility Problems (Areas that could not be accessed, and why)

The initial PA PDA was completed March 30, 2016 but not all areas were accessible so a secondary PA PDA was conducted April 13, 2016 through April 15, 2016 to allow time for the water to recede in some areas.

11. Programs and Areas Requested

Individual Assistance     N/A     Individuals and Households     Crisis Counseling Program     Disaster Unemployment Assistance  
 All     Disaster Case Management     Disaster Legal Services

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)) If additional space is needed, please enclose additional documentation).

Ashley, Chicot, Desha, Lee, Lincoln and Phillips Counties.

For States, identify Federally-recognized Tribes in the requested counties (if applicable).

NA

Please see Enclosure A: Supplemental Information for Individual Assistance for additional information in support of this request\*.

\*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Public Assistance     N/A     Debris Removal (Category A)     Emergency Protective Measures (Category B)     Permanent Work (Categories C-G)\*  
(not available for Emergency Declaration Requests)

For the following jurisdictions, specify programs and areas (counties, parishes, independent cities; for Indian tribal government, list tribe(s) and/or tribal area(s)). If additional space is needed or your request includes different categories of work for different jurisdictions; please enclose additional documentation.

(Categories A-G) Arkansas, Ashley, Bradley, Calhoun, Chicot, Cleveland, Columbia, Desha, Lincoln, Ouachita, Phillips, and Prairie Counties.

For States, identify Federally-recognized Tribes included in the requested counties (if applicable).  
There are no federally recognized tribes within the requested counties.

Please see Enclosure B: Supplemental Information for Public Assistance for additional information in support of this request\*.

**Indemnification for Debris Removal Activity**

I do not anticipate the need for debris removal.

I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

I anticipate the need for debris removal, which poses an immediate threat to lives, public health and safety. Pursuant to Sections 403 and 407 of the Stafford Act, 42 U.S.C. §§ 5170b & 5173, the State or Indian tribal government agrees to indemnify and hold harmless the United States of America for any claims arising from the removal of debris or wreckage for this disaster. The State or Indian tribal government agrees that debris removal from public and private property will not occur until the landowner signs an unconditional authorization for the removal of debris.

**Request for Direct Federal Assistance**

I do not request direct Federal assistance at this time.

I request direct Federal assistance for work and services to save lives and protect property, and:

a. I request the following type(s) of assistance:

b. List of reasons why State and local or Indian tribal government cannot perform, or contract for, required work and services.

c. In accordance with 44 C.F.R. § 206.208, the State or Indian tribal government agrees that it will, with respect to direct Federal assistance: (1) Provide without cost to the United States all lands, easements, and rights-of-ways necessary to accomplish the approved work; (2) Hold and save the United States free from damages due to the requested work, and shall indemnify the Federal Government against any claims arising from such work; (3) Provide reimbursement to FEMA for the non-Federal share of the cost of such work in accordance with the provisions of the FEMA-State or FEMA-Tribe Agreement ; and (4) Assist the performing Federal agency in all support and local jurisdictional matters.

**Request for Snow Assistance**

N/A     I request snow assistance.

Snow assistance for the following jurisdictions (Specify counties, independent cities or tribes and/or tribal areas).

Please see Enclosure D: Historic and Current Snowfall Data for additional information in support of this request\*.

\*Not Required for Emergency Declaration Request

11. Programs and Areas Requested (Continued)

Hazard Mitigation\*

Statewide

OR

For the following specific counties, parishes, independent cities or tribes and/or tribal areas.

12. Mitigation Plan Information\*

a. Mitigation Plan Expiration Date 9/12/18

b. Type of Plan

Enhanced

Standard

13. Other Federal Agency Programs

I do not anticipate requirements from Other Federal Agencies  I do anticipate requirements from Other Federal Agencies

Please see Enclosure C: Requirements for Other Federal Agency Programs for additional information in support of this request\*.

14. Findings and Certifications

I certify the following:

a. I have determined that this incident is of such severity and magnitude that effective response is beyond the capabilities of the State and the affected local government or Indian tribal government and that supplementary federal assistance is necessary.

b. In response to this incident, I have taken appropriate action under State or tribal law and have directed the execution of the State or Tribal Emergency Plan on Mar 8, 2016 in accordance with the Stafford Act.

c. The State and local governments, or Indian tribal government will assume all applicable non-Federal share of costs required by the Stafford Act.

15. List of Enclosures and Supporting Documentation

Cover Letter

Enclosure A (Individual Assistance)\*

Enclosure B (Public Assistance)\*

Enclosure C (Requirements for Other Federal Agency Programs)

Enclosure D (Historic and Current Snowfall Data)

Additional Supporting Documentation Governor's Proclamations for County Declarations, National Weather Service data

  
Governor's or Tribal Chief Executive's Signature

4/21/16  
Date

If anyone except the Governor or Tribal Chief Executive signs this document, please provide the documentation that establishes that this individual has the legal authority to act on behalf of the Governor or Tribal Chief Executive.

\*Not Required for Emergency Declaration Request

## Arkansas Severe Storms, Tornadoes and Flooding March 8 and continuing

Area	Homes	Single Family	Multi Family	Mobile Homes	Own	Rent	Affected	Minor	Major	Dest	Income Level			Insured	Uninsured
											Low	Med	High		
Ashley	149	115	0	34	138	11	53	73	15	8	128	21	0	15	134
Chicot	144	113	5	26	121	23	93	26	12	13	94	50	0	0	144
Desha	128	111	11	6	104	24	30	61	35	2	61	67	0	6	122
Lee	14	14	0	0	4	10	3	1	10	0	0	14	0	0	14
Lincoln	43	24	0	19	43	0	32	8	0	3	43	0	0	0	43
Phillips	48	42	0	6	44	4	26	13	9	0	37	11	0	5	43
<b>Total</b>	<b>526</b>	<b>419</b>	<b>16</b>	<b>91</b>	<b>454</b>	<b>72</b>	<b>237</b>	<b>182</b>	<b>81</b>	<b>26</b>	<b>363</b>	<b>163</b>	<b>0</b>	<b>26</b>	<b>500</b>
<b>Percentage</b>	<b>100.00%</b>	<b>79.66%</b>	<b>3.04%</b>	<b>17.30%</b>	<b>86.31%</b>	<b>13.69%</b>	<b>45.06%</b>	<b>34.60%</b>	<b>15.40%</b>	<b>4.94%</b>	<b>69.01%</b>	<b>30.99%</b>	<b>0.00%</b>	<b>4.94%</b>	<b>95.06%</b>

**INDIVIDUALS AND HOUSEHOLDS PROGRAM (IHP) COST ESTIMATES**

**STATE: Arkansas**

**INCIDENT DATE: 3/8/2016**

<b>ESTIMATED HOUSING ASSISTANCE (HA)</b>	<b>NUMBER OF HOUSEHOLDS (Uninsured)</b>	<b>COST</b>	<b>TOTAL COST</b>	<b>CATEGORY TOTAL COST</b>
<b>TEMPORARY HOUSING</b>				<b>\$ 89,787</b>
Rent (Pre-Disater Renters)- 1 month	64		\$ 39,097	
Rent (Owners w/Major or Destroyed)- 1 month	81		\$ 50,691	
<b>REPAIR ASSISTANCE</b>				<b>\$ 2,753,091</b>
Repair Costs (Owners w/Affected)	159	\$ 1,500	\$ 238,500	
Repair Costs (Owners w/Minor)	149	\$ 3,588	\$ 534,591	
Repair Costs (Owners w/Major)	60	\$ 33,000	\$ 1,980,000	
<b>REPLACEMENT ASSISTANCE</b>				<b>\$ 744,717</b>
Replacement Cost (Owners w/Destroyed)	23	\$ 32,379	\$ 744,717	
<b>Total Estimated Housing Assistance (HA)</b>	<b>455</b>		<b>\$ 3,587,596</b>	
Estimated Average HA Award per Household		\$ 7,885		
<b>ESTIMATED OTHER NEEDS ASSISTANCE</b>	<b>NUMBER (Uninsured)</b>	<b>COST</b>	<b>TOTAL COST</b>	<b>CATEGORY TOTAL COST</b>
ONA (All Renters and Owners w/Affected, Minor, Major)	431	\$ 1,600	\$ 689,600	
ONA (Owners- Destroyed)	0	\$ 1,600	\$ -	
<b>Total Estimated Other Needs Assistance (ONA)</b>	<b>431</b>		<b>\$ 689,600</b>	<b>\$ 689,600</b>
Total Estimated Federal Share (75%)		\$ 517,200		
Total Estimated State Share (25%)		\$ 172,400		
Estimated Average ONA Award per Household		\$ 1,600		
<b>Total Estimated HA and ONA (Federal Share)</b>			<b>\$ 4,104,796</b>	

**State of Arkansas**  
Severe Storms, Flooding, Tornadoes (March 8-13, 2016)

County	Debris Category A	Emergency Protective Measures Category B	Roads & Bridges Category C	Water Control Facilities Category D	Buildings & Equipment Category E	Utilities Category F	Parks, Rec. Facilities & Other Category G	Cat. A-G Total	Required \$ Threshold	Population	\$/Population
Arkansas			\$ 360,140.00		\$ 10,000.00			\$ 370,140.00	\$ 67,897.83	19,019	\$ 24.29
AR Game and Fish			\$ 88,979.00				\$ 2,800.00	\$ 91,779.00			
Category Totals	\$ -	\$ -	\$ 449,119.00	\$ -	\$ 10,000.00	\$ -	\$ 2,800.00	\$ 461,919.00			
Ashley			\$ 372,205.00					\$ 372,205.00	\$ 78,015.21	21,853	\$ 26.32
County and Fish/Game		\$ 20,400.00		\$ 55,000.00	\$ 67,000.00		\$ 60,500.00	\$ 202,900.00			
Category Totals	\$ -	\$ 20,400.00	\$ 372,205.00	\$ 55,000.00	\$ 67,000.00	\$ -	\$ 60,500.00	\$ 575,105.00			
Bradley	\$ 7,600.00		\$ 306,020.00					\$ 313,620.00	\$ 41,083.56	11,508	\$ 27.25
Category Totals	\$ 7,600.00	\$ -	\$ 306,020.00	\$ -	\$ -	\$ -	\$ -	\$ 313,620.00			
Calhoun		\$ 1,560.00	\$ 377,902.00					\$ 379,462.00	\$ 19,163.76	5,368	\$ 76.20
AR Fish and Game							\$ 29,600.00	\$ 29,600.00			
Category Totals	\$ -	\$ 1,560.00	\$ 377,902.00	\$ -	\$ -	\$ -	\$ 29,600.00	\$ 409,062.00			
Chicot		\$ 7,754.00	\$ 3,000,250.00			\$ 100,000.00	\$ 158,194.00	\$ 3,266,198.00	\$ 42,126.00	11,800	\$ 279.90
AR Fish and Game							\$ 36,600.00	\$ 36,600.00			
Category Totals	\$ -	\$ 7,754.00	\$ 3,000,250.00	\$ -	\$ -	\$ 100,000.00	\$ 194,794.00	\$ 3,302,798.00			
Cleveland		\$ 5,000.00	\$ 128,500.00				\$ 3,300.00	\$ 136,800.00	\$ 31,019.73	8,689	\$ 16.12
AR Fish and Game							\$ 3,300.00	\$ 3,300.00			
Category Totals	\$ -	\$ 5,000.00	\$ 128,500.00	\$ -	\$ -	\$ -	\$ 6,600.00	\$ 140,100.00			
Columbia		\$ 9,405.00	\$ 325,431.00					\$ 334,836.00	\$ 87,650.64	24,552	\$ 16.81
City of Emerson						\$ 78,000.00		\$ 78,000.00			
Category Totals	\$ -	\$ 9,405.00	\$ 325,431.00	\$ -	\$ -	\$ 78,000.00	\$ -	\$ 412,836.00			
Desha		\$ 6,355.00	\$ 88,307.00					\$ 94,662.00	\$ 46,438.56	13,008	\$ 8.32
AR Fish and Game							\$ 13,600.00	\$ 13,600.00			
Category Totals	\$ -	\$ 6,355.00	\$ 88,307.00	\$ -	\$ -	\$ -	\$ 13,600.00	\$ 108,262.00			
Lincoln			\$ 79,700.00					\$ 79,700.00	\$ 50,458.38	14,134	\$ 5.64
Category Totals	\$ -	\$ -	\$ 79,700.00	\$ -	\$ -	\$ -	\$ -	\$ 79,700.00			
Ouachita		\$ 6,916.00	\$ 130,123.00					\$ 137,039.00	\$ 93,248.40	26,120	\$ 5.25
Category Totals	\$ -	\$ 6,916.00	\$ 130,123.00	\$ -	\$ -	\$ -	\$ -	\$ 137,039.00			
Phillips			\$ 96,106.00					\$ 96,106.00	\$ 77,672.49	21,757	\$ 4.42
Category Totals	\$ -	\$ -	\$ 96,106.00	\$ -	\$ -	\$ -	\$ -	\$ 96,106.00			
Prairie		\$ 10,000.00	\$ 38,838.00		\$ 5,000.00	\$ 27,128.00		\$ 80,966.00	\$ 31,112.55	8,715	\$ 9.29
Category Totals	\$ -	\$ 10,000.00	\$ 38,838.00	\$ -	\$ 5,000.00	\$ 27,128.00	\$ -	\$ 80,966.00			
State Agencies								\$ -			
Category Totals	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
<b>TOTALS</b>	<b>\$ 7,600.00</b>	<b>\$ 67,390.00</b>	<b>\$ 5,392,501.00</b>	<b>\$ 55,000.00</b>	<b>\$ 82,000.00</b>	<b>\$ 205,128.00</b>	<b>\$ 307,894.00</b>	<b>\$ 6,117,513.00</b>			

### State of Arkansas

Severe Storms, Flooding, Tornadoes (March 8-13, 2016)

County	Debris Category A	Emergency Protective Measures Category B	Roads & Bridges Category C	Water Control Facilities Category D	Buildings & Equipment Category E	Utilities Category F	Parks, Rec. Facilities & Other Category G	Cat. A-G Total	Required \$ Threshold	Population	\$/Population
Percentage of damage by category	0.12%	1.10%	88.15%	0.90%	1.34%	3.35%	5.03%				
State Population	2,915,918		Total damage to meet per capita indicators: \$1.41 x Pop.	\$ 4,111,444.38		State Cost per Capita	\$ 2.10				
	<i>Indicates Sub-Division of County</i>										
	<i>Exceeds Indicators</i>										

**ENCLOSURE C TO MAJOR DISASTER REQUEST**

Estimated Assistance from Other Federal Agency Programs

County/ Tribal Area	SBA Home Loans	SBA Business Loans	FSA Loans	NRCS	FHWA	USACE	BIA	OTHER
<b>Ashley</b>	<b>972,000</b>	<b>29,000</b>						
<b>Chicot</b>	<b>1,033,000</b>	<b>73,000</b>						
<b>Desha</b>	<b>2,651,000</b>	<b>150,000</b>						
<b>Drew</b>	<b>21,000</b>	<b>0</b>						
<b>Jefferson</b>	<b>190,000</b>	<b>30,000</b>						
<b>Lee</b>	<b>214,000</b>	<b>355,000</b>						
<b>Lincoln</b>	<b>140,000</b>	<b>0</b>						
<b>Phillips</b>	<b>755,000</b>	<b>5,000</b>						
<b>Scott</b>	<b>120,000</b>	<b>0</b>						
<b>Totals</b>	<b>\$7,463,000</b>	<b>\$529,000</b>						

*Note: Provide numbers and amounts, as appropriate.*

**STATE OF ARKANSAS**  
**EXECUTIVE DEPARTMENT**

**PROCLAMATION**

DR 16-06

TO ALL TO WHOM THESE PRESENTS COME -- GREETINGS:

WHEREAS: Severe storms and flooding that began March 8, 2016, and continuing, caused great damage to private property and public facilities in various jurisdictions in Arkansas; and

WHEREAS: Adverse circumstances have been brought to bear upon the citizens and public properties within the state; and

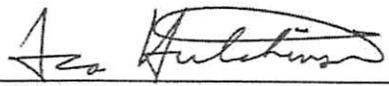
WHEREAS: These political subdivisions require supplemental assistance from the state to recover from these losses;

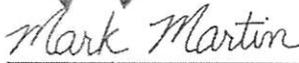
NOW, THEREFORE, I, ASA HUTCHINSON, Governor of the State of Arkansas, acting under the authority vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, do hereby declare Arkansas, Ashley, Bradley, Calhoun, Chicot, Drew, Jefferson, Lincoln, Monroe, Ouachita, and Phillips Counties disaster areas;

FURTHERMORE, I hereby invoke emergency executive powers vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, as amended, and suspend the provisions of regulating statutes prescribing procedures for conduct of the State Office of Purchasing, the Arkansas Building Authority, the State Office of Personnel Management, and all other state departments and agencies to render maximum assistance to the Arkansas Department of Emergency Management relative to any potential impediment to the rapid and orderly rendering of assistance to political subdivisions.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Arkansas to be affixed this 10<sup>th</sup> day of March, in the year of our Lord 2016.



  
Asa Hutchinson, Governor

Atte  
  
Mark Martin, Secretary Of State

**STATE OF ARKANSAS**  
**EXECUTIVE DEPARTMENT**

**PROCLAMATION**

DR 16-07

TO ALL TO WHOM THESE PRESENTS COME -- GREETINGS:

WHEREAS: Severe storms and flooding that began March 8, 2016, and continuing, caused great damage to private property and public facilities in various jurisdictions in Arkansas; and

WHEREAS: Adverse circumstances have been brought to bear upon the citizens and public properties within the state; and

WHEREAS: These political subdivisions require supplemental assistance from the state to recover from these losses;

NOW, THEREFORE, I, ASA HUTCHINSON, Governor of the State of Arkansas, acting under the authority vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, do hereby amend proclamation, DR 16-06 to include Cleveland and Desha Counties as disaster areas;

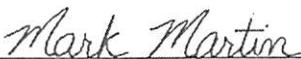
FURTHERMORE, I hereby invoke emergency executive powers vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, as amended, and suspend the provisions of regulating statutes prescribing procedures for conduct of the State Office of Purchasing, the Arkansas Building Authority, the State Office of Personnel Management, and all other state departments and agencies to render maximum assistance to the Arkansas Department of Emergency Management relative to any potential impediment to the rapid and orderly rendering of assistance to political subdivisions.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Arkansas to be affixed this 11<sup>th</sup> day of March, in the year of our Lord 2016.



  
Asa Hutchinson, Governor

Attest:

  
Mark Martin, Secretary Of State

**STATE OF ARKANSAS**  
**EXECUTIVE DEPARTMENT**

**PROCLAMATION**

DR 16-08

TO ALL TO WHOM THESE PRESENTS COME -- GREETINGS:

WHEREAS: Severe storms and flooding that began March 8, 2016, and continuing, caused great damage to private property and public facilities in various jurisdictions in Arkansas; and

WHEREAS: Adverse circumstances have been brought to bear upon the citizens and public properties within the state; and

WHEREAS: These political subdivisions require supplemental assistance from the state to recover from these losses;

NOW, THEREFORE, I, ASA HUTCHINSON, Governor of the State of Arkansas, acting under the authority vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, do hereby amend proclamation, DR 16-06 to include Columbia, Prairie and Scott Counties as disaster areas;

FURTHERMORE, I hereby invoke emergency executive powers vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, as amended, and suspend the provisions of regulating statutes prescribing procedures for conduct of the State Office of Purchasing, the Arkansas Building Authority, the State Office of Personnel Management, and all other state departments and agencies to render maximum assistance to the Arkansas Department of Emergency Management relative to any potential impediment to the rapid and orderly rendering of assistance to political subdivisions.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Arkansas to be affixed this 14<sup>th</sup> day of March, in the year of our Lord 2016.



A handwritten signature in cursive script that reads "Asa Hutchinson".

Asa Hutchinson, Governor

Attest:

A handwritten signature in cursive script that reads "Mark Martin".

Mark Martin, Secretary Of State

**STATE OF ARKANSAS**  
**EXECUTIVE DEPARTMENT**

**PROCLAMATION**

DR 16-09

TO ALL TO WHOM THESE PRESENTS COME -- GREETINGS:

WHEREAS: Severe storms and flooding that began March 8, 2016, and continuing, caused great damage to private property and public facilities in various jurisdictions in Arkansas; and

WHEREAS: Adverse circumstances have been brought to bear upon the citizens and public properties within the state; and

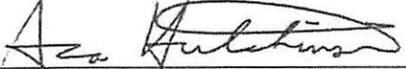
WHEREAS: These political subdivisions require supplemental assistance from the state to recover from these losses;

NOW, THEREFORE, I, ASA HUTCHINSON, Governor of the State of Arkansas, acting under the authority vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, do hereby amend proclamation, DR 16-06 to include Lee County as a disaster area;

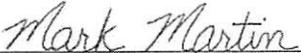
FURTHERMORE, I hereby invoke emergency executive powers vested in me by Ark. Code Ann. §§ 12-75-101, *et seq.*, as amended, and suspend the provisions of regulating statutes prescribing procedures for conduct of the State Office of Purchasing, the Arkansas Building Authority, the State Office of Personnel Management, and all other state departments and agencies to render maximum assistance to the Arkansas Department of Emergency Management relative to any potential impediment to the rapid and orderly rendering of assistance to political subdivisions.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Arkansas to be affixed this 16<sup>th</sup> day of March, in the year of our Lord 2016.



  
Asa Hutchinson, Governor

Attest:

  
Mark Martin, Secretary Of State



U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL WEATHER SERVICE FORECAST OFFICE  
8400 Remount Road  
North Little Rock, AR 72118

04/20/2016

Division Director Bass:

From March 8<sup>th</sup> through March 13<sup>th</sup> several rounds of thunderstorms caused widespread flooding and brought tornadoes, very large hail, and damaging winds across Arkansas.

From March 8<sup>th</sup> through the 10<sup>th</sup> alone anywhere from 5 to 10 inches of rain fell across Arkansas from West Memphis to Little Rock to Texarkana and all areas southeast. This widespread heavy rainfall resulted in significant flash flooding including numerous roads that were under water, closed and barricaded. Several state highways were impassible and shut down. Moderate to major flooding occurred along parts of the Arkansas and White river basins as well. The combination of river and flash flooding resulted in at least twenty homes being damaged by flood waters in the area. During this same time period damaging winds removed the roofs from homes in the communities of Quitman and Bee Branch.

On March 13<sup>th</sup> ten tornadoes developed across Arkansas producing scattered damage across the region. The strongest of these tornadoes caused damage to several homes, recreational areas, and marina property from western through southeast Arkansas. Many large trees were uprooted by tornadoes and damaging winds across the state. Damaging winds also caused damage to homes across central and southern Arkansas. In addition to the damage from thunderstorm wind gusts and tornadoes, very large hail fell across the western and central portions of Arkansas during this event. Baseball to Ping Pong ball sized hail was reported at Mount Ida, Malvern, Jessieville, Conway, Bauxite, and Sherwood during this event. Many roofs and vehicles were damaged by this swath of large hail. During this one event alone the National Weather Service issued almost 60 tornado and severe thunderstorm warnings across the state. There were 10 tornadoes, 17 reports of thunderstorm wind damage, and 59 reports of large hail in Arkansas on the 13<sup>th</sup>.

If you would like more information including pictures and a more detailed account of these events, please visit the following website: [www.srh.noaa.gov/lzk/?n=mar2016](http://www.srh.noaa.gov/lzk/?n=mar2016)

Sincerely,

Dennis Cavanaugh  
Warning Coordination Meteorologist



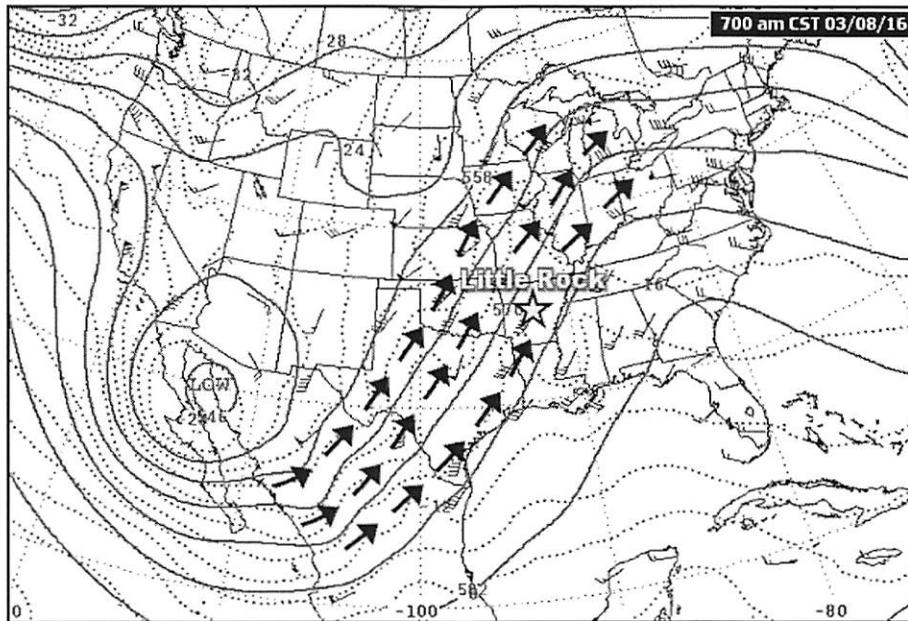
National Weather Service Weather Forecast Office  
**Little Rock, AR**



**Storm Reports**

Are you interested in what happened during a recent event? Check out the report below.

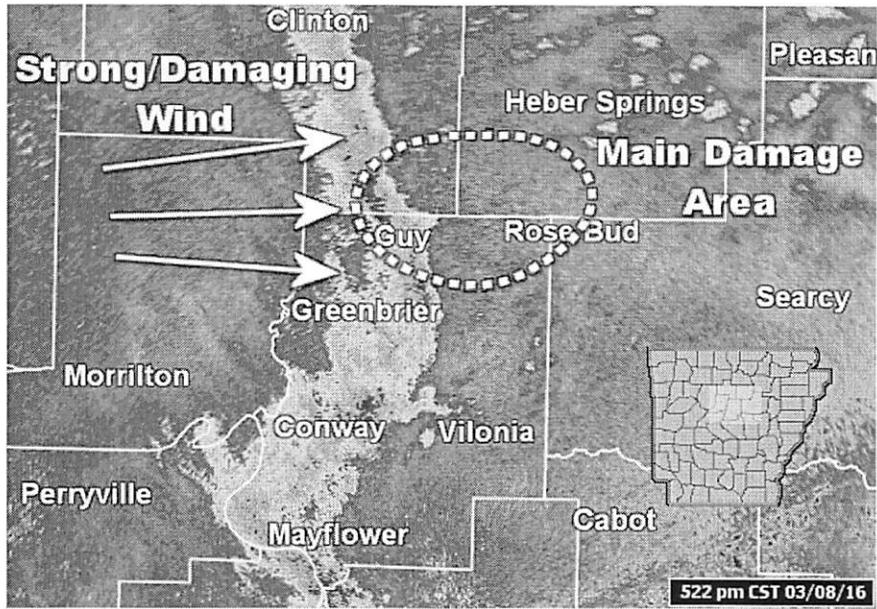
**Flooding Rain/Isolated Severe Storms on March 8-10, 2016**



700 am CST (03/08) | 700 am CST (03/09) | 700 am CST (03/10)

In the pictures: A storm system ("Low") wobbled toward Arkansas from the southwest in the forty eight hour period ending at 700 am CST on 03/10/2016. High pressure ("High") over the southeast United States slowed the eastward progression of the system. Between these two features, a southerly flow pumped abundant moisture into the region from the Gulf of Mexico.

March came in like a lion, especially as the second week began. A large storm system inched toward Arkansas from the southwest. Ahead of the system, southerly winds pumped well above average moisture levels into the region from the Gulf of Mexico. A heavy rain event was in the making.



In the picture: The WSR-88D (Doppler Weather Radar) showed a line of strong to severe thunderstorms tracking through portions of northern and central Arkansas during the afternoon of 03/08/2016.

The event began on the 8th with a line of thunderstorms that tracked quickly through northern and central sections of the state. In isolated areas, the storms produced wind gusts that reached at least 60 mph.

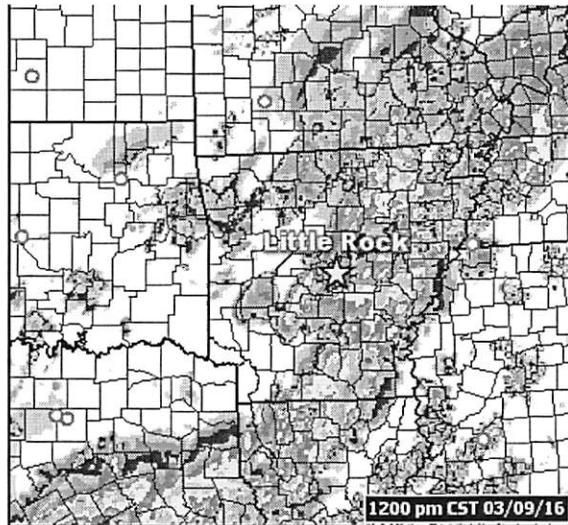


Quitman (Cleburne County) | Humphrey (Jefferson/Arkansas County)

In the pictures: Damaging straight-line winds removed part of a roof from a home near Quitman on 03/08/2016. The next day, torrential rain flooded the streets of Humphrey (Jefferson/Arkansas County). The photos are courtesy of Crystal Burrow and Jillian D. Bogy via Twitter.

A couple of miles east of Bee Branch (Van Buren County), part of a roof was taken off of a house. It was the same story near Quitman (Cleburne County), with more roof damage reported. A 55 mph gust was measured at the Little Rock Air Force Base (Pulaski County).

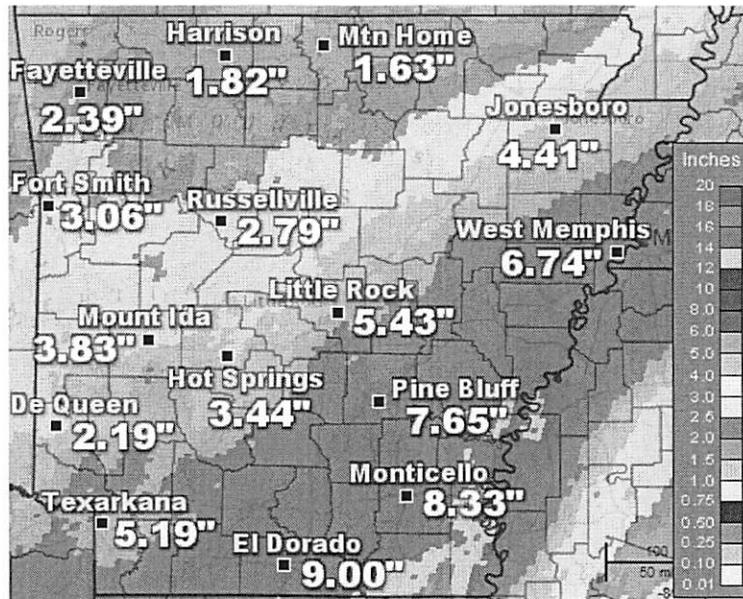




As the event progressed, rain became widespread late on the 8th and into the 9th. Precipitation became excessive over the southeast half of Arkansas.

1200 pm CST (03/09) | 600 pm CST (03/09)  
1200 am CST (03/10)

In the pictures: Simulated radar showed widespread rain building across mainly the southeast half of Arkansas in the twelve hour period ending at 1200 am CST on 03/10/2016.



Rainfall (Arkansas) | Rainfall (Regional)

In the pictures: Seventy two hour (three day) rainfall in Arkansas and surrounding areas through 600 pm CST on 03/10/2016.

Seventy two hour (three day) rainfall through 600 pm CST on the 10th was over five inches in much of the south/east. At El Dorado (Union County), 9.00 inches of liquid was measured, with 8.33 inches at Monticello (Drew County), 7.65 inches at Pine Bluff (Jefferson County), 6.74 inches at West Memphis (Crittenden County), and 5.43 inches at Little Rock (Pulaski County).

Given this much rain, numerous roads were under water, closed and barricaded. Several state highways were impassible and shut down. High water threatened homes and businesses. At least twenty homes were damaged by flood water at McGehee (Desha County).

Eventually, runoff from the rain made it into area tributaries. Rivers responded by going up, but the situation did not get out of hand. Minor flooding occurred at some forecast sites, but it could have been much worse. Before the rain came, water levels were down following a dry January/February. This left plenty of room for runoff.

*Precipitation in 2016 (Through February)*

Site	Amount	Normal	+/-	% of Normal
Fayetteville (NW AR)	1.15	5.65	-4.50	20%

Harrison (NC AR)	2.28	5.20	-2.92	44%
Jonesboro (NE AR)	3.93	7.15	-3.22	55%
Fort Smith (WC AR)	2.15	5.57	-3.42	39%
Little Rock (C AR)	5.69	7.21	-1.52	79%
West Memphis (EC AR)	5.80	8.63	-2.83	67%
Texarkana (SW AR)	6.12	7.39	-1.27	83%
El Dorado (SC AR)	7.60	9.09	-1.49	84%
Pine Bluff (SE AR)	6.05	7.82	-1.77	77%

Flooding was a much bigger issue in Louisiana. From March 8th through the 11th, a whopping 20.66 inches of rain was tallied at Monroe, LA. This made March the wettest month on record, eclipsing the 20.56 inches that fell in October, 2009. Several rivers/bayous across the state achieved record crests, some by a few feet. Numerous evacuations were ordered to get people away from rising water. In east Texas, the Sabine River reached unprecedented levels. Flooding was so bad in Deweyville, TX that the town was "unrecognizable" to one media source.

### Storm Reports

There were numerous reports of flash flooding and a couple of reports of severe weather on March 8-12, 2016. For a look at some reports, click here.

*Link of Interest*

Plot Reports



© 2016 Storm Reports

In the picture: Preliminary reports of flash flooding and severe weather in the Little Rock County Warning Area on March 8-12, 2016 (in red).

Back to March, 2016 Storm Report  
<http://www.srh.noaa.gov/lzk/?n=rain0316.htm>

National Weather Service  
 Little Rock, AR Weather Forecast Office  
 8400 Remount Road  
 North Little Rock, AR 72118  
 (501) 834-0308  
 Page Author: LZK Webmaster  
 Web Master's E-mail: [sr-lzk.webmaster@noaa.gov](mailto:sr-lzk.webmaster@noaa.gov)  
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