



Camden County, MO
Emergency Management Agency

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Winter Storm Landon
February 1-4, 2022
AFTER ACTION REPORT

Prepared by

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Executive Summary - On Tuesday, February 1 2022, the Camden County Emergency Management Agency (EMA) began tracking a storm system (Winter Storm Landon) expected to impact the NWS Springfield viewing area by Wednesday, February 2 2022. Members of the Camden County Road and Bridge District (R&B), the Missouri State Emergency Management Agency (SEMA), the American Red Cross (ARC), the Lake Area Storm Spotters (LASS), the Camden County Amateur Radio Emergency Service (ARES), local municipalities, and the National Weather Service (NWS) contacted the EMA directly to ensure communications in case anything came of the storm. On Monday, January 31 2022 (prior to the storm on Tuesday night) the Camden County EMA began testing the Everbridge Nixle mass notification system. The EMA and R&B met regarding operations for snow clearance and removal during and after Winter Storm Landon. The Camden County Emergency Operations Center (EOC) was activated on Tuesday, February 1 2022 at 5:00 pm at Level 4 to parallel the State EOC activation. The EOC released joint statements with R&B for the duration of the event. The EOC also released joint statements with the Camden County Commission and the Head Judge in regards to closures of the Camden County Courthouse and Camden County Justice Center. The EOC was demobilized on Friday, February 4 2022 at 12:00 pm. See below for further information.

Project Overview

Project Name:	Winter Storm Landon (02012022WS)
Date:	February 1-4, 2022
Duration:	~5.5 operational time periods
Location:	Camden County, MO
Planning Team:	Sam Henley, Pat Wolf, Bill Berry, Andy Bayerl, Camden County Commission, Judge Matt Hamner, Jenny Solomon, Steve Runnels, Eric Hoover, Ernest Venis, and Brenda Gerlach in addition to local first responder partners and municipalities
Number of Participants:	Numerous
Oversight:	Camden County EOC

Overall Assessment

Objective 1: Provide warnings using Camden County's mass notification system, Everbridge Nixle.

Activities: Alerts and messages were sent from the EOC before, during, and after the winter storm to the visitors and residents of Camden County to keep them apprised of weather conditions, snow removal, and county building closures. Nixle was used to alert the EOC activation list of activation/demobilization and level.

Assessment: Beginning on Monday, January 31 2022, the EMA released test messages to ensure that Nixle was operational. Responses were received from the agencies listed below. Between Tuesday, February 1 2022 and Friday, February 4 2022, the mass notification system was used to put out information regarding weather conditions (which included rebroadcasts of NWS winter storm watches and warnings), snow removal, and county building closures. These messages, as well as the rebroadcasts, were noted in the Nixle system.

The following individuals and organizations responded to the Nixle test messages and alerts on Monday, January 31 2022:

- American Red Cross via Jenny Solomon
- Camden County 9-1-1 Dispatch Center via Maggie Rector
- Camden County Community Emergency Response Team via Cheryl Bland, Georgie Aldy, Jeffery Eckert, Mimi Boyer, and Shelly Eckert
- Camden County Emergency Management Agency via Samantha Henley
- Camden County Human Resources via Melissa Peters
- Camden County Road and Bridge via Bill Berry
- Camdenton Memorial-Lake Regional Airport via Corey Leuwerke
- Co-Mo Electric Cooperative via Jason Culp
- Lake Ozark Fire Protection District via Mark Amsinger
- Linn Creek City Hall via Jeff Davis
- Southwest Fire Protection District via Mike Hufferd
- Sunrise Beach Fire Protection District via Joseph LaPlant
- Sunrise Beach Police Department via Jeff Campbell

Objective 2: Observe and assess the effectiveness of communications with partners.

Activities: WebEOC, email, and phone contact were all utilized before, during, and after the winter storm event to enable communication between a multitude of partners. Camden County EOC also monitored county, MOSWIN, and amateur radio frequencies for the duration of the activation.

Assessment: The Camden County EMA alerted SEMA that the Camden County EOC was activated on Tuesday, February 1 2022 via WebEOC. Initial activation included contact with partners, activation and utilization of mass notifications systems, social media, and monitoring of the NWS partner collaboration call and NWSChat Live. LASS members in Camden County reported information regarding storm intensity, snowfall readings, and temperature from their home locations. No widespread power outages were reported to the EOC during its activation.

The following individuals and organizations responded to the EOC activation/demobilization alerts on Tuesday, February 1 2022 and/or Thursday, February 3 2022:

- American Red Cross via Jenny Solomon
- Camden County 9-1-1 Dispatch Center via Maggie Rector
- Camden County Commission via Don Williams
- Camden County Emergency Management Agency via Samantha Henley
- Camden County Health Department via Stephanie Dake

- Camden County Human Resources via Melissa Peters
- Camden County Road and Bridge via Bill Berry and Patrick Wolf
- Camdenton City Hall via Jeff Hooker
- Camdenton Memorial-Lake Regional Airport via Corey Leuwerke
- Gravois Mills Fire Protection District via Ed Hancock
- Lake Ozark Fire Protection District via Mark Amsinger
- Lake Regional Hospital via Todd Farley
- Linn Creek City Hall via Jeff Davis
- Linn Creek Police Department via Jeff Christiansen
- Osage Beach Ambulance District via Todd Davis
- Osage Beach Police Department via Todd Davis
- Richland EMA via Russell Hobbs
- Sleeper/Stoutland Fire Protection District via James Vaughn
- Southwest Fire Protection District via Mike Hufferd
- Sunrise Beach Fire Protection District via Jamie Karl and Joseph LaPlant
- Sunrise Beach Police Department via Jeff Campbell
- individual Dave Van Dee

Objective 3: Clearing county roads to ensure safe driving conditions.

Activities: Camden County R&B worked in multiple operational time periods to continually clear the roads of snow and ice and treat the roads to help prevent additional accumulation. There was one wrecker call. There were multiple grader slide offs.

Assessment: Roads were cleared. Minor equipment breakage/failure including hydraulic lines, bearings, spreader chains, and a few chain/pin breakages. Turbo went out on one of the trucks. R&B was understaffed for this winter storm. R&B needs to be able to store more pea gravel and salt mix for future winter storms.

Conclusion - The effectiveness of using the mass notification system, along with traditional forms of communication, rates very high. The Camden County EMA suggests further tests, exercises, training, and utilization of the mass notification system to familiarize people with how to respond to notifications and to exercise the other possible ways the system can be used.

In regards to the communications and interoperability between the Camden County EMA and our partnering agencies, the meetings and planning that took place prior to Winter Storm Landon moving through the area were absolutely paramount. The Camden County EMA has received overwhelmingly positive feedback from the public in regards to the communications efforts in coordination with our partners throughout Winter Storm Landon.

Recommendations

The recommendations for correction are as follows:

1. New mass notification system (pending-this is a correction and update following the EF-1 Tornado on Sunday, October 24 2021).

2. Training and exercises so our partners will know how to respond to EOC activations in Camden County.
3. Training for the Camden County CERT on EOC activation and response to notifications.
4. Working with the Camden County Commission and Head Judge on a possible weather-based Emergency Action Plan (EAP) for the county offices, courthouse, and justice center closures so they won't have to be determined the day of weather-related events.
5. R&B requires more space to store pea gravel and salt mix and more personnel.