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## Joplin, Missouri hit by EF-5 Tornado on May 22, 2011

### GENERAL INFORMATION

May 14, 2012

- Joplin population approximately 50,175 (2010 Census)
- Daytime population approximately 240,000
- Located in Southwest Missouri between U.S. Highway 71 and I-44
- EF-5 Tornado was ½ mile to ¾ mile wide, traveled approximately 13 miles;
- Touched down at edge of western city limits, traveled on the ground throughout all of City to eastern city limits and continuing into the City of Duquesne and rural Jasper County
- Tornado winds estimated at 200 mph + ; NWS indicates may have moved as slowly at 10 mph in some places
- Storm affected homes and businesses in both Jasper and Newton Counties in Missouri
- 161 lives lost due to tornado

#### Joplin Recovery – Building Permits:

Permits issued since the May 22, 2011 tornado through current Week:

	Thru end of FY 2011	Month of Nov 2011	Thru end of Dec 2011	Month of Jan 2012	Month of Feb 2012	Month of March 2012	Month of April 2012	Week of 5/4/12	Week of 5/11/12	Current Totals
Demolition	1207	194	39	81	59	23	7	4	1	1615
Residential repairs & misc rebuild	2487	145	134	87	129	84	92	39	102	3299
Residential New Build & Rebuild	441	55	54	53	38	16	48	2	9	716
Commercial New/Rebuild/Repairs	132	28	39	16	26	19	12	5	8	285
Multi-Family Rebuild/Repair (ea bldg)	48	3	0	9	13	53	11	0	1	138
<b>Totals Weekly</b>	4315	425	266	246	265	195	170	50	121	6053

**138- Multi-family buildings permitted represents – 881 living units.**

65% of dwellings damaged have been permitted.  $3,299 + 716 + 881 / 7500 = 65\%$

Building Permits of Total residential repairs & rebuilds + Residential New Builds +  
 # of apartment living units / 7,500 homes damaged or destroyed

### **Debris stats:**

- Tornado generated nearly 3 million cubic yards of residential debris throughout the disaster area
- FEMA managed the Expedited Debris Removal initiative (EDR) that addressed debris removal in areas of extensive and catastrophic damage. This initiative allowed government-funded contractors to remove loose tornado debris from private property within a designated tornado-damaged area, and offered 90% federal match to a 10 % local and state match for costs incurred. Missouri Gov. Nixon announced state would pick up the 10% match.
- FEMA mission-assigned the U.S. Army Corps of Engineers to execute the debris removal for the City. The Missouri National Guard proved state oversight to the process.
- EDR area was cleared by August 7. City worked toward this deadline to ensure a quick and efficient cleanup of the disaster.
- Many property owners used insurance proceeds to hire contractors for debris removal; and/or utilized the 100,000 + volunteers who have been active in the cleanup of the City.

### **Demolition Process:**

- City rolled out Demolition Plan with 3 options for property owners on, August 8:
  - Do It Yourself – if owner has insurance
  - Skilled volunteers affiliated with the Voluntary Organizations Active in Disaster (VOAD) carry out the demolition of residential structures and/or foundations on behalf of home or property owners. This work continues today.
  - Dangerous, tornado-damaged structures and/or foundations that are *not* removed another way will be processed through the dangerous structures provision of the Joplin City Code, starting with the Building Board of Appeals process.

### **Volunteers, through May 10, 2012:**

- 130,009 volunteers, including those registered through AmeriCorps and from other organizations who have reported hours to them.
- 810,476.5 hours of service from all reporting organizations/agencies. That's the equivalent of just over 82 years' worth of service at a 24/7 pace since 5/22.
- Volunteer Information Line – for those interested in volunteering: 417-625-3543

### **Medical Services:**

- By 5-23-2011 Joplin and Jasper County Health Dept. medical services staff worked with local health partners to administer tetanus vaccines to residents and workers in the debris area to provide protection from this disease often associated with debris injuries. The plan included stationary and roving vaccine distribution locations moving throughout tornado affected neighborhoods.
- On 5-24-2011 tetanus vaccinations began and in following weeks over 17,000 tetanus vaccinations were administered by many medical partners in community.
- 14 area health departments along with other local medical partners aided the local tetanus administration effort including over 125 staff.

**Animal Control statistics:**

- 1,308 pets displaced by tornado picked up and taken to emergency pet shelter by animal control staff
- 529 pets returned to owners from emergency pet shelter operated by ASPCA & Joplin Humane Society
- ASPCA placed remaining tornado displaced animals at end of emergency sheltering operation in new homes through an “Adopt-a-thon” and other placement activities.
- Pet “co-location” shelter with human American Red Cross shelter opened by Joplin Animal Control within few hours of tornado.
- Within hours of the tornado, Joplin Animal Control and Joplin Humane Society opened temporary pet triage clinic to provide emergency medical care for animals transported to the emergency pet shelter.
- Within 24 hours, Humane Society of Missouri was on scene working with Joplin Animal Control for planning animal rescue operations. Within 2 days these operations began.
- ASPCA arrived the day after the storm to handle the emergency pet sheltering operation, working with the Joplin Humane Society.

**FEMA Assistance (as of May 7, 2012):****Individuals and Businesses:**

- In Jasper and Newton counties, **10,746** individuals and businesses have registered for disaster assistance to help with uninsured or underinsured impacts from the tornado.
- Nearly **\$21 million** in grants has been approved in Jasper and Newton counties for home repairs, temporary housing and other critical disaster-related needs through the Individuals and Households Program.
- FEMA also is providing temporary housing units for individuals and families who have not yet been able to move into a more permanent housing option. These units are disbursed among 12 pre-existing commercial sites and three community sites that were built specifically to temporarily house tornado survivors.
  - **332** individuals and families are living in temporary housing units among the 15 community and commercial sites. At the peak of this housing effort, 586 individuals and families were provided a temporary home among one of these sites.
  - The three community sites – all on land provided by the City in north Joplin – currently support **220** of the 359 individuals and families.
- FEMA approved an Immediate Services Program grant for more than \$1.5 million to the Missouri Department of Mental Health for crisis counseling services for survivors of the severe storms, flooding and tornadoes. Of that, more than \$1.4 million was provided to Ozark Access Crisis Intervention (ACI) hotline for Jasper and Newton counties.
- The U.S. Small Business Administration (SBA) provides low-interest disaster loans to individuals and businesses of all sizes to help with eligible, disaster-related needs.
  - **To date, SBA has approved more than \$40.8 million for 516 tornado-impacted individuals businesses and non-profits.**
    - 416 low-interest disaster loans to homeowners for \$26.7 million
    - 96 low-interest disaster loans to businesses for \$13.9 million

- 4 low-interest disaster loans to non-profits for \$256,400

**Public Assistance:**

- FEMA provides grants to local, state and federal governmental entities, Tribal nations and certain not-for-profit organizations to help reimburse eligible costs to remove debris, provide emergency protective measures and to repair or replace damaged public infrastructure and facilities.
- In Jasper and Newton counties, nearly **\$150 million\*** in federal money has been obligated on behalf of **25 applicants** such as local governments, school districts and critical facilities for **351 projects** to remove debris, provide emergency protective measures and to repair or replace damaged public infrastructure and facilities.

*\*Funding subject to change based on eligibility review process and potential insurance proceeds.*

**Other:**

- **FEMA Voluntary Agency Liaisons** continue to work with a variety of faith-based and voluntary organizations to help connect resources with individual unmet needs.
- **A FEMA team of long-term community recovery specialists** has been working with the Joplin since the tornado to help organize and launch a local, grass-roots effort that will enable citizens and local leaders to envision and plan for their future, post-disaster. As a result, the Citizens Advisory Recovery Team (CART) was born and is already addressing long-term recovery needs and opportunities.
- **FEMA Regional Disability Integration Specialist** continues to work with disability organizations in the Joplin to integrate the needs of individuals with access and functional needs in the rebuilding efforts and to work with different agencies for unmet needs.

**City Property Receiving Damage:**

- |                        |  |
|------------------------|--|
| • Emergency Management | Emergency Sirens   |
| • Fire                 | Two Fire Stations - No. 2 & No. 4 completely destroyed       |
| • Fire                 | Fire Apparatus   |
| • Parks                | Senior Citizens Center                                       |
| • Parks                | Cunningham Aquatic Center & Park                             |
| • Parks                | Parr Hill Park   |
| • Parks                | Garvin Park  |
| • Parks                | Mohaska Park   |
| • Parks                | Ewert Park   |
| • Police               | South Police Branch (minor damage)                           |
| • Public Works         | MAPS Trolley shelters (multiple)                             |
| • Public Works         | Curb, streets and Sidewalk, lights, Signs and Signals        |
| • Public Works         | Building structure located at 20 <sup>th</sup> & Connecticut |
| • Information Systems  | CISCO Aironet blown off                                      |

**Information from Joplin Area Chamber of Commerce, as of May 1, 2012**

- 553 businesses destroyed or severely damaged
- 4,500-5,000 employees affected
- Approximately 3,000 were kept on payroll in some capacity
- 446 businesses have reopened or are in the process of reopening
- 39 businesses have indicated that they will not rebuild/reopen
- 21 new businesses have opened\*

\*This count does NOT include contractors/builders that have set up local offices since tornado

**Cost of Disaster:****Losses as of April 30, 2012:**

*Provided by Missouri Department of Insurance, Financial Institutions, and Professional Registration*

**Losses as of April 30th, 2012**

<b>Line of Business</b>	<b>Claims Received</b>	<b>Claims Expected</b>	<b>Losses Paid</b>	<b>Losses Incurred</b>	<b>Percent</b>
Commercial Property	2,063	2,087	\$850,049,017	\$1,228,746,672	69%
Residential Property	8,564	8,736	\$520,281,192	\$552,073,887	94%
Commercial Auto	313	315	\$4,412,659	\$4,765,428	93%
Private Auto	6,806	6,949	\$47,596,261	\$51,153,034	93%
Other Commercial	300	304	\$13,883,055	\$19,301,460	72%
<b>Total (Excluding County Mutuals)</b>	<b>18,046</b>	<b>18,391</b>	<b>\$1,436,222,184</b>	<b>\$1,856,040,480</b>	<b>77%</b>
County Mutuals	1,477	1,516	\$61,789,887	\$67,876,781	91.0%
<b>Total</b>	<b>19,523</b>	<b>19,907</b>	<b>1,498,012,071</b>	<b>1,923,917,261</b>	<b>77.9%</b>

**Losses as of March 31, 2012**

<b>Line</b>	<b>Claims Received</b>	<b>Claims Expected</b>	<b>Losses Paid</b>	<b>Losses Incurred</b>	<b>Percent</b>
Commercial Property	2,050	2,076	\$832,101,778	\$1,223,501,190	68%
Residential Property	8,509	8,678	\$514,550,044	\$552,131,743	93%
Commercial Auto	313	315	\$4,437,913	\$4,790,938	93%
Private Auto	6,865	6,996	\$47,195,472	\$50,750,277	93%
Other Commercial	300	304	\$13,661,560	\$20,127,645	68%
<b>Subtotal (Excluding County Mutuals)</b>	<b>18,037</b>	<b>18,369</b>	<b>\$1,411,946,766</b>	<b>\$1,851,301,793</b>	<b>76%</b>
County Mutuals	1,477	1,516	\$61,789,887	\$67,876,781	91.0%
<b>Total</b>	<b>19,514</b>	<b>19,885</b>	<b>1,473,736,653</b>	<b>1,919,178,574</b>	<b>76.8%</b>