

**DAMAGE ASSESSMENT AND
EMERGENCY STATUS REPORT # 4**

Thursday, June 12, 2008

(Note: This report contains the latest incident information as reported in the statewide "E Team" incident management system today, June 12, 2008. Refer to Damage Assessment and Emergency Status Reports #1-3 for synopses of information for the period June 6-11, 2008.)

SITUATION OVERVIEW: A series of damaging thunderstorms occurred in waves across central and southern Lower Michigan beginning on Friday, June 6 and continuing through the weekend on June 7 and 8, 2008. To date, the county and/or municipal emergency management programs that have reported storm damage and/or impacts via the statewide "E Team" information system include:

- Allegan County
- Arenac County
- Barry County
- Clare County
- Clinton County
- Delta Township (Eaton County)
- City of Detroit
- Eaton County
- Genesee County
- Gladwin County
- City of Lansing
- Livingston County
- Missaukee County
- Monroe County
- Oakland County
- Osceola County
- Ottawa County
- Saginaw County
- Washtenaw County
- Wayne County

DAMAGE / IMPACT SUMMARIES FOR REPORTING JURISDICTIONS*:

***Note: these summaries have been copied from the actual E Team Incident or Jurisdiction Situation Reports filed by the respective jurisdictions. Some editing may have occurred to clarify the information or remove extraneous information.**

Allegan County:

Nothing new to report.

Arenac County:

Nothing new to report.

Barry County:

Thornapple River has crested at 8.3` (flood stage is 7`). Roadway repairs and area cleanup continues. All services to Central Dispatch have been restored. It appears Barry County will have some crop losses due to localized flooding.

Clare County:

Nothing new to report.

Clinton County:

National Weather Service stated damage was due to straight line winds and not a tornado. Situation is stabilized.

Delta Township (Eaton County):

Damage assessment estimates are complete.

City of Detroit:

Nothing new to report.

Eaton County:

Many area roads are still closed due to flooding and washouts. This makes any emergency responses into the areas take more time as responders may not be able to directly access an emergency. Many of the roads that were impassible due to trees down in the roadway were re-opened over the past several days, but the debris was pushed to the side of the road to be later picked up. With the hot conditions, we feel this will be a fire hazard in the near future. Some roads that were previously closed, have received emergency repairs to reopen them, however the condition of the road is not back to pre-storm conditions. This is due to the road being washed away, and the lack of funds to bring in road gravel to build them back up. Some roads simply had to be graded with what gravel remained in order to open them as quick as possible. Any future storms will make both flooding and washouts in these areas more likely. Chipping crews and equipment to provide debris removal. Road maintenance crews, equipment and materials to rebuild affected roadways. Costs for responder overtime, equipment, etc are still being figured. We may request financial assistance when all numbers are in.

Genesee County:

National Weather Service stated damage was due to straight line winds and not a tornado. Situation is stabilized.

Gladwin County:

Nothing new to report.

City of Lansing:

Damage Assessment teams will be in the field from both City of Lansing and support teams from Jackson County. Additionally we have State of Michigan teams performing tree hazard/damage assessments as well throughout today. The teams have each been assigned particular areas of the City and will be comprehensively covering these AOAs. The 211 and citizen reporting lines are up and running, we have already received 30+ calls in the first hour and half of operation from citizens reporting damages. Our volunteer chainsaw crews will continue operations assisting with debris removal, VOAD will be assisting with the logistical support of these volunteer teams. There are concerns about high winds today and possible severe storms over the next 24 hours, safety messages to all crews operating reiterating the need for hyper-awareness to safety and overhead dangers. BWL is reporting that we still have over 400 customers without power, 176 additional residents still need attention; however, the BWL cannot complete the work until electrical repairs are made to the residence. 112 wires remain down and still require attention from BWL crews. 25 power poles are destroyed and required replacement. 296 tree work calls remain in the BWL system awaiting attention/service. The resources are still extremely stretched and overwhelmed, additional contract crews are responding to help with the workload. The Forestry department and the Lansing Police Dive team will be assessing the river today for debris in the water with there being concerns about the debris making its way to the dam. O&M is reporting multiple equipment failures due to the stress of recovery operations. At this time there are 2 loaders out of service, all of the tandem axle dump trucks have been removed from service due to failing tailgates from the weight of the hauling operations. 1 bulk truck has failed and has been removed from service. They are in need of 3 additional tandem axle trucks and three operators. The damage assessment crews continue to locate new hazards daily which only compound recovery challenges. It is anticipated that recovery operations will exceed millions and take weeks to complete.

Livingston County:

Nothing new to report.

Missaukee County:

Nothing new to report.

Monroe County:

Nothing new to report.

Oakland County:

Nothing new to report.

Osceola County:

Osceola County is specifically requesting the following assistance from the state: 1) Technical assistance, guidance, and/or resources in cleaning up the extraordinary amount of trees down in the Pere Marquette State forest. The damage is excessive and has rendered the forest unsafe due to downed trees. Furthermore, concern over future damage by dying trees and future fire potential has become a major concern. As of yesterday, State DNR was unable to be reached for guidance. 2) Need financial assistance or physical resources to address the extraordinary amount of downed trees that are not covered by home owners insurance. Insurance companies are reporting that less than 5% of claims will be covered due to the fact they did not damage homes. Average cost of tree removal is \$500 - \$1000 with estimated over 100 - 200 private property trees down (is a conservative estimate). 3) Financial Assistance with emergency protective measures is the third priority; emergency services are reporting that the initial response costs have limited them from responding further to the recovery phase (i.e. shutting down other routes, specifically to the state forest).

Ottawa County:

Nothing new to report.

Saginaw County:

The County requested a Governor's emergency or disaster declaration on June 11.

Washtenaw County:

Nothing new to report.

Wayne County:

Nothing new to report.

ADDITIONAL INFORMATION:

Power Outages:** The following information was provided by the Michigan Department of Labor and Economic Growth (MDLEG) / Michigan Public Service Commission (MPSC) based on reports provided by Detroit Edison (DTE) and Consumers Energy (CE):

Customer Outage Summaries:

June 11 Update for Consumers Energy:

Total for the storm system: 358,395

Current as of Wednesday AM: 11,827

Crews:

CE/Contractor Line: 57

CE/Contractor forestry: 110

Great Lakes Mutual Assistance: 93

June 11 Update for Detroit Edison:

Total for the storm system: 360,000

Current as of Wednesday AM: 140,000

Crews:

DTE/Contractor Line: all available

DTE/Contractor forestry: all available

****Note: this information changes frequently as repairs are made and/or conditions in the field change. Refer to each company's web site for the most current power restoration estimates.**

State Response Actions: The MSP/EMHSD has monitored the situation since the storms first began on Friday, June 6. MSP/EMHSD District Coordinators have worked closely with affected local emergency management coordinators over the past few days to assess damage and impacts, determine and coordinate appropriate response and recovery actions, and assist in obtaining additional resources where required. On Monday, June 9, the MSP/EMHSD began to compile the damage estimates developed by the affected local communities. In addition, a request was made to state agencies to provide detailed synopses of any storm-related response / recovery actions they took during the weekend of June 7-8, or anticipate taking in the coming days to aid the affected local communities. The affected local jurisdictions continue to collect and compile information and develop their damage and impact assessments. That process is expected to continue for the next couple of days.

The State Emergency Operations Center (SEOC) has not been activated as of this time but state officials continue to closely monitor the situation and offer whatever assistance they can to meet situational needs. The Michigan Department of Labor and Economic Growth (MDLEG) / Michigan Public Service Commission (MPSC) is monitoring the storm-related power outages in the affected areas and maintaining management contact with the involved power companies. The MDOT is assessing storm-related damage / impacts to state roadways and related transportation infrastructure and clearing debris and making repairs where required. Other state agencies are also conducting incident assessments to determine what impacts, if any, the storms have had on state facilities and/or agency operations. The MSP/EMHSD continues to monitor the situation, coordinate recovery and public information activities, and work closely with the Governor's Office and involved state agencies to review and evaluate requests for state assistance submitted by the affected local jurisdictions on a case-by-case basis.

The MSP Special Operations Division, Aviation Unit is assisting the City of Lansing, Delta Township, and Eaton and Clinton counties with damage assessments by conducting damage assessment over-flights. The first flight was conducted on June 10 and another is scheduled for today. In addition, today the MSP/EMHSD dispatched four two-person field assessment teams to aid the City of Lansing in identifying hazardous conditions that may remain due to downed or partially-downed trees. These assessments will supplement the initial damage assessments conducted by city officials earlier in the week. The MSP/EMHSD developed a special damage survey worksheet for this assignment (see attached).

The MSP/EMHSD contacted the U.S. Small Business Administration (SBA) in Atlanta, Georgia and requested that they come to Michigan to determine if sufficient home and business damage has occurred to warrant an SBA Disaster Declaration and activation of the SBA Low-Interest Disaster Loan Program. The SBA agreed to Michigan's request and is expected to conduct its damage surveys beginning on Friday, June 13.

Local "State of Emergency" Declared under 1976 PA 390, as amended:

- Eaton County on June 8, 2008.
- City of Lansing on June 8, 2008.
- Ottawa County on June 9, 2008.
- Delta Township (in Eaton County) on June 9, 2008.
- Allegan County on June 10, submitted on June 11, 2008.
- Saginaw County on June 11, 2008.
- Osceola County on June 11, 2008.
- Barry County on June 12, 2008.

Requests by Local Jurisdiction for a Governor's Emergency / Disaster Declaration:

- Delta Township on June 9, 2008. (No specific request for state resources.)
- City of Lansing on June 10, 2008. (Request for resources included: 1) 15 forestry task force crews with minimum of five personnel each trained in tree removal with necessary equipment; 2) 10 two-person damage assessment field teams; 3) four utility line crews for utility restoration purposes; 4) three dump trucks with personnel; and 5) one end loader with grab bucket, with personnel.)
- Saginaw County on June 11, 2008. (Request for assistance with debris removal and any financial assistance that may be available.)
- Osceola County on June 11, 2008. (Request for assistance with extensive debris removal and with emergency protective measures.)
- Allegan County on June 11, 2008. (Request for: 1) assistance to supplement local response and recovery efforts in rebuilding a roadway which is the primary access for 14 residences; 2) fix and repair culverts and public drains that have been destroyed; and 3) support citizens with flooded homes.)
- Eaton County on June 12, 2008. (Request funding for debris removal; funding or assistance for road repair; and funding for responder overtime costs.)

The MSP/EMHSD is reviewing the requests from the jurisdictions and assessing the availability of the requested resources.

State Resources- Available for Debris Removal:

Department of Corrections:

- 12-24 person prisoner detail.

Department of Transportation:

- 1 large chipper.
- 1 non-insulated bucket truck with a 40' reach.
- A number of chainsaws.
- 2 small backhoes.
- 15 workers (three or four small crews).

Military and Veterans Affairs:

- Not reported yet.

Department of Natural Resources:

- Not reported yet.

Public Damage Summary Table (from filed E Team reports only): Blank spaces indicate either no damage or damage not yet reported.

Jurisdiction	Category A: Debris Removal \$	Category B: Emer Prot Measure \$	Category C: Roads / Bridges \$	Category D: Water Control \$	Category E: Public Bldgs \$	Category F: Public Utilities \$	Category G: Parks / Rec and Other \$	\$ Estimate for Damage (per jurisdiction; total = for all jurisdictions)
Allegan County	5,000		690,000					695,000
Arenac County								
Barry County	250,000		250,000				10,000	510,000
Clare County								
Clinton County	50,000							50,000
Delta Township	97,000	101,500	25,000		2,500			226,000
City of Detroit								
Eaton County	200,000	70,000	300,000					500,000
Genesee County								
Gladwin County								
City of Lansing	1,500,000					10,000,000	500,000	12,000,000
Livingston County								
Missaukee County								
Monroe County								
Oakland County								
Osceola County	9,680	71,829						81,509
Ottawa County		290,000	357,000	18,000	7,400	12,100		684,500
Saginaw County	305,000							305,000
Washtenaw County								
Wayne County								
TOTALS PER CATEGORY:	2,416,680	533,329	1,622,000	18,000	9,900	10,012,100	510,000	15,122,009

Private Damage Summary Table (from filed E Team reports only): Blank spaces indicate either no damage or damage not yet reported.

Jurisdiction	Residences Destroyed	Residences – Major Damage	Residences – Minor Damage	Residences – Affected	Businesses Destroyed	Businesses – Major Damage	Businesses – Minor Damage	Businesses – Affected	\$ Estimate for Damage (if available)
Allegan County		1	8	12					(10% insured)
Arenac County									
Barry County		1	19						\$180,000 (75% insured)
Clare County			7						\$10,000 (100% insured)
Clinton County	1	2	15	5			1	5	\$510,000 (100% insured)
Delta Township		1	125	300		1	5	25	\$1,300,000 (95-100% insured)
City of Detroit									
Eaton County			40	9			1		\$449,000 (100% insured)
Genesee County		1		2					(100% insured)
Gladwin County									
City of Lansing		9	40	90		1	1	16	(50% insured – residences; 100% insured – businesses)
Livingston County									
Missaukee County									
Monroe County									
Oakland County									
Osceola County			15	130			3		
Ottawa County		2	12	87		2		3	\$1,373,000
Saginaw County		8	5	16		1	1	2	(60% insured – residences; \$200,000 for businesses – 80% insured)
Washtenaw County									
Wayne County									
TOTALS:	1	25	286	651		5	12	51	\$3,822,000