# St Clair County *After Action Report*



Storm Damage Incurred July 19 & July 21, 2006

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# St. Clair County Emergency Services & Disaster Agency

321 West "F" Street • Belleville, IL 62220-1193 • (618) 277-3012 (After hours (618) 277-3500) Fax# (618) 277-6743

Robert Knight Coordinator

# **EXECUTIVE SUMMARY**

In the aftermath of any unusual occurrence it is imperative that an analysis of the performance of all government services be conducted. Through such an examination, it is hoped that all can learn something from an event of this magnitude.

Responses can never be perfect. But, through training and experience lessons should be learned and corrective actions taken to perform better during a future event.

We believe that the government of St Clair co. and the 13 affected communities and all of the agencies who provided assistance performed remarkably during this crisis.

This document is intended only to improve on the exceptional performance observed in the recovery effort following the disaster that struck the 13 communities in St Clair co.

# **ACTIONS DURING & AFTER THE STORM DAMAGE**

In the evening of July 19<sup>th</sup>, 2006 at 7:19 PM, after reaching a high temperature of 100 degrees, a cluster of thunderstorms, also known as a mesoscale convective system, formed across Northern Illinois and propagated southwest across West Central Illinois and Eastern Missouri. The outflow boundary and the thunderstorm complex produced straight line winds or downbursts that created widespread wind damage from Central Illinois across the St. Louis Metropolitan Area and into the Eastern Ozarks. The damage sustained in the St. Louis Metropolitan Area was consistent with wind speeds between 70 & 80 mph. Two tornado tracks were also uncovered across Southwest Illinois near the towns of Bunker Hill and Edwardsville. Over 500,000 customers were left without power, and thus no air conditioning.

# 21 JULY 2006: ROUND TWO OF SEVERE WEATHER

Another complex of severe thunderstorms formed across Central Missouri during the morning of July 21<sup>st</sup> on the trailing end of an outflow boundary from overnight convection across Southern Iowa and Northern Iowa and Northern Missouri. This cluster of thunderstorms formed into a bow echo as they pushed across the St. Louis Metropolitan Area producing another swath of wind damage from Central

Missouri to Central Illinois. To the north of the apex of the bow a strong circulation produced several tornadoes. This led to many additional power outages and complicated clean up efforts from the July 19<sup>th</sup> storm damage. Some people who had just gottern their power back from the previous storm suddenly found themselves in the dark once again. Power outages once again rose above 500.000.

# NOAA's National Weather Service Weather Forecast Office St. Louis, MO

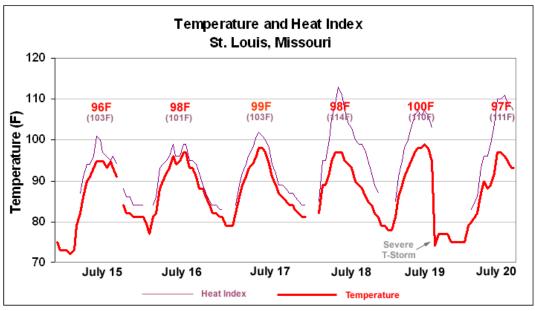
Largest Power Outage in the History of St. Louis and Metro-East



PHOTOS COURTESY OF KMOV-4 AND POST DISPATCH

# **The Heat Wave**

A deadly heat wave built across the United States during the third week of July 2006. Temperatures each afternoon topped out near or above the century mark with heat indices reaching above 115 F in some locations. In all, 22 deaths in 10 states were blamed on the excessive heat during that week.



Heat Index is calculated when the temperature is greater than 80F.

Created By: Jim Sieveking (WFO LSX)

# Highest Heat Index Readings During July 2006 Heat Wave

HIGHEST RECORDED HEAT INDEX VALUES FOR JULY 2006 HEAT WAVE:

ST. LOUIS CITY (DNR SITE)118	F
CHESTERFIELD (SPIRIT AIRPORT)113	F
JEFFERSON CITY111	F
ST. LOUIS (LAMBERT FIELD)111	F
SPARTA110	F
FARMINGTON112	F
CAHOKIA/PARKS109	F
ST. CHARLES (SMARTT FIELD)115	F
BELLEVILLE107	F
PITTSFIELD111	F
COLUMBIA112	F
QUINCY111	F
SALEM105	F
LITCHFIELD105	F
ALTON115	F

# 19 July 2006: Round One of Severe Weather

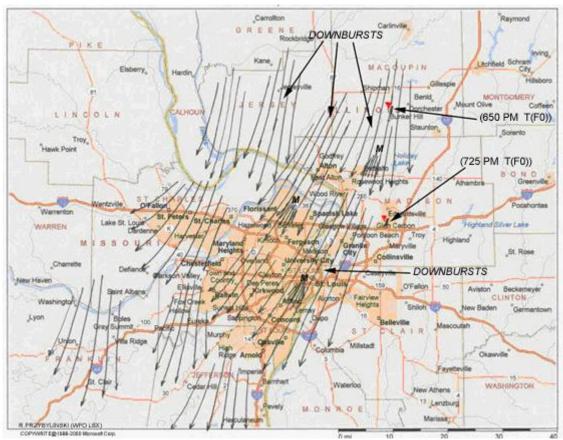
View a loop of radar reflectivity (4 MB) (see 7-19-2006 Action view radar reflectivity.gif)

<u>View a loop of radar velocity (3 MB)</u> (see 7-19-2006 Action view radar velocity.gif)

On July 19th, after reaching a high temperature of 100 degrees, a cluster of thunderstorms, also known as a mesoscale convective system, formed across Northern Illinois and propogated southwest across West Central Illinois and Eastern Missouri. The outflow boundary and the thunderstorm complex produced straight line winds or downbursts that created widespread wind damage from Central Illinois across the St. Louis Metropolitan Area and into the Eastern Ozarks. The damage sustained in the St. Louis Metropolitan Area was consistent with wind speeds between 70 and 80 mph. Areas of damage across Illinois suggested that wind speeds could have approached 90 mph. Two tornado tracks were also uncovered across Southwest Illinois near the towns of Bunker Hill and Edwardsville. Over 500,000 customers were left without power, and thus no air conditioning.

A State of Emergency was declared for the St. Louis Area, and Governor Matt Blunt called in the National Guard to help with heat evacuations and clean-up efforts from the severe thunderstorms. The temperature rose near 100 degrees once again on Thursday and heat index values were as high as 115 degrees in the affected region.

Wind gusts of 58 mph or greater on July 19, 2006				
TIME (CDT)	GUST (MPH)	LOCATION	COUNTY	SOURCE
6:35 PM	92	1 NW Bunker Hill	Macoupin, IL	Trained Spotter
6:35 PM	88	2 NW Bunker Hill	Macoupin, IL	Trained Spotter
6:53 PM	63	Alton Airport	Madison, IL	Official NWS Observation
7:09 PM	62	Bethalto	Madison, IL	Emergency Manager
7:19 PM	59	Cahokia, Parks Airport	St. Clair, IL	Official NWS Observation
8:25 PM	92	Hillsboro	Jefferson, MO	Trained Spotter



STORM DAMAGE MAP: Wednesday July 19, 2006. M represents locations of microbursts and T signifies locations of tornado touchdowns.

# STORM DAMAGE PHOTOS FROM 19 JULY 2006



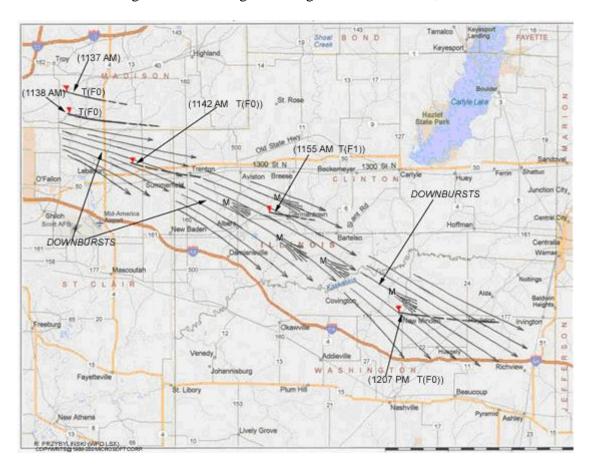
21 July 2006: Round Two of Severe Weather

<u>View a loop of radar reflectivity (4 MB)</u> (see 7-21-2006 Action view radar reflectivity.gif)

<u>View a loop of radar velocity (3 MB)</u> (see 7-21-2006 Action view radar velocity.gif)

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Northern Missouri. This cluster of thunderstorms formed into a bow echo as they pushed across the St. Louis Metropolitan Area producing another swath of wind damage from Central Missouri to Central Illinois. To the north of the apex of the bow a strong circulation produced several tornadoes. This led to many additional power outages and complicated clean up efforts from the July 19th storm damage. Some people who had just gotten their power back from the previous storm suddenly found themselves in the dark once again. Power outages once again rose above 500,000.



STORM DAMAGE MAP: Friday 21 July 2006. M represents Microbursts and T Represents Tornado Touchdown.

# STORM DAMAGE PHOTOS FROM 21 JULY 2006



# Preliminary Storm Damage Reports (PNS) and Local Storm Reports (LSR)

PUBLIC INFORMATION STATEMENT...CORRECTION...
NATIONAL WEATHER SERVICE ST LOUIS MO
350 PM CDT FRI JULY 21 2006

...PRELIMINARY DAMAGE SURVEY FOR THE JULY 19 2006 WIDESPREAD WIND DAMAGE EVENT OVER PARTS OF SOUTHWEST ILLINOIS...ST. LOUIS METRO AREA...

PERSONNEL FROM THE NATIONAL WEATHER SERVICE OFFICE IN ST. LOUIS SURVEYED DAMAGE OVER PARTS OF MACOUPIN..MADISON...AND ST. LOUIS COUNTY AND CITY FROM WEDNESDAY AFTERNOON AND EVENING SEVERE STORM EVENT.

THE DAMAGE TO TREES AND POWERLINES FROM WEDNESDAY AFTERNOON AND EVENING SEVERE STORM EVENT WAS DUE TO STRAIGHT-LINE WINDS OR DOWNBURSTS. THE DEGREE OF DAMAGE OVER THESE AREAS SUGGESTED THAT WIND SPEEDS RANGED FROM 70 TO AS HIGH AS 80 MPH OVER THE IMMEDIATE ST. LOUIS METRO AREA. MANY OF THE LARGE TREES AND TREE LIMBS WERE LYING TO THE SOUTH AND SOUTHWEST. AREAS OF DAMAGE OVER PARTS OF SOUTHWEST ILLINOIS SUGGESTED THAT WIND SPEEDS RANGED FROM 70 TO NEAR 90 MPH IN SOME AREAS. TWENTY FIVE HOMES SUSTAINED VARYING DEGREES OF ROOF AND SIDING DAMAGE JUST FROM THE WIND NORTHEAST OF BETHALTO IN SOUTHWEST ILLINOIS.

TWO TORNADO DAMAGE TRACKS WERE UNCOVERED OVER PARTS OF SOUTHWEST ILLINOIS FROM WEDNESDAY EVENT. ONE TORNADO TOUCHDOWN OCCURRED 1 MILE NORTH OF BUNKER HILL ILLINOIS NEAR THE INTERSECTION OF HIGHWAYS 159 AND 138. LAW ENFORCEMENT OBSERVED THE TORNADO OVER AN OPEN FIELD. THE DAMAGE TRACK WAS LESS THAN 1/5 MILE IN LENGTH. THE TORNADO OCCURRED AT APPROXIMATELY 650 PM CDT.

THE SECOND TORNADO OCCURRED APPROXIMATELY 1 MILE SOUTH OF EDWARDSVILLE NEAR HIGHWAY 159. LAW ENFORCEMENT AND THE PUBLIC OBSERVED A BRIEF TOUCHDOWN OVER THIS AREA IN AN OPEN FIELD. THE TORNADO TOUCHDOWN APPROXIMATELY OCCURRED AT 725 PM CDT.

HAIL THE SIZE OF NICKLES TO QUARTERS DAMAGED SEVERAL HUNDRED ACRES OF CORN OVER PARTS OF SOUTHEAST MACOUPIN THROUGH NORTHWEST MADISON COUNTY. MUCH OF THE HAIL DAMAGE WAS ALONG AND WEST OF HIGHWAY 159. FROM BUNKER HILL SOUTH THROUGH 7 MILES NORTH OF EDWARDSVILLE. THE HAIL OCCURRED BETWEEN 640 AND 710 PM CDT.

THE STORM WHICH CAUSED THE EXTENSIVE TREE AND POWERLINE DAMAGE ON

Read the Local Storm Reports(LSR) from the evening of July 19, 2006(Extracted Entries)

cad the Local Sto	rm Reports(LSR) from t Me	easured at Kahn	<u>, 2000 (</u>	EXITACION ETT	<u> </u>
0653 pm	TSTM WND GST	Alton	IL	38.90N	90.15 W
July 19, 2006	M 63.00 MPH	Madison		Official NV	
		ed near I 55 and I	70	1	
0705 pm	Funnel Cloud	Maryville	IL	38.73N	89.96W
July 19, 2006		Madison		Public	
	tially blown off apar	tment building. 2	large	trees in san	ne area
-		uprooted	J		
0710 pm	TSTM WND DMG	Bethalto	IL	38.90N	90.05 W
July 19, 2006		Madison		Emergency	MNGR
	2 foot diameter t	rees down near I-	270 ar	nd 157	
0715 pm	TSTM WND DMG	5 N Collinsville	IL	38.75N	90.0W
July 19, 2006		Madison		Trained Spo	otter
	Measure	d by the KCPS A	SOS		
0719 pm	TSTM WND GST	Cahokia	IL	38.56 N	90.18W
July 19, 2006	M 59.00 MPH	St. Clair		ASOS	
Pieces of ro	of blown off campus	s building at SIU	6 to 12	2 inch diam	eter trees
	•	uprooted			
0725 pm	TSTM WND DMG	Granite City	IL	38.71N	90.13W
July 19, 2006		Madison		Trained Spe	otter
	Power lin	es down at I 55 and	157		
0730 pm	TSTM WND DMG	Hamel	IL	38.89 N	89.96W
July 19, 2006		Madison		Trained Spotter	
Numerous 2	inch tree limbs dow	n – debris spread	abou	t from thun	derstorms
	winds. Locatio	n of damage HW	Y 157	<b>/270</b>	
0730 pm	TSTM WND DMG	Edwardsville	IL	38.80 N	89.96 W
July 19, 2006		Madison		Trained Spo	otter
0740 pm	Funnel Cloud	Fairview Heights	IL	38.60 N	90.0 W
July 19, 2006		St. Clair		Trained Spo	otter
	Trees an	nd power lines do	wn		
0805 pm	Hail	Columbia	IL	38.46 N	90.23 W
July 19, 2006	E0.75 inch	Monroe		Law Enforce	ement
0810 pm	TSTM WND DMG	Columbia	IL	38.46 N	90.23 W
July 19, 2006		Monroe		Law Enforce	ement
0810 pm	TSTM WND DMG	Waterloo	IL	38.33 N	90.16 W
July 19, 2006		Monroe		Law Enforce	
2 F	oot diameter trees d	lowned at 1000 bl	ock of	State Stree	<u>t</u>
0810 pm	TSTM WND DMG	Alton	IL	38.90 N	90.15 W
July 19, 2006		Madison		Amateur Ra	adio
	3 inch dia	meter tree limb d	<u>lown</u>		
0820 pm	TSTM WND GST	Valmeyer	IL	38.30 N	90.31 W

July 19, 2006	E 60.00 MPH	Monroe	Amateur Radio
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Preliminary Storm Damage Survey for July 21, 2006 Severe Weather Event

PUBLIC INFORMATION STATEMENT...
NATIONAL WEATHER SERVICE ST LOUIS MO
630 PM CDT SUN JULY 23 2006

...PRELIMINARY DAMAGE SURVEY FOR THE JULY 21 2006 WIDESPREAD WIND DAMAGE EVENT AND TORNADOES OVER PARTS OF SOUTHWEST ILLINOIS...

PERSONNEL FROM THE NATIONAL WEATHER SERVICE OFFICE IN ST. LOUIS SURVEYED DAMAGE OVER PARTS OF MADISON..CLINTON..ST. CLAIR AND WASHINGTON COUNTIES IN SOUTHWEST ILLINOIS FROM FRIDAY'S SEVERE STORM EVENT.

DAMAGE TO TREES...POWERLINES...SILOS...FARM SHEDS AND OTHER OUTBUILDINGS FROM THE FRIDAY MORNING SEVERE STORM EVENT WAS DUE TO A COMBINATION OF STRAIGHT-LINE WINDS (DOWNBURSTS - LOCALLY STRONG MICROBURSTS) AND WEAK TORNADOES.

### IN MADISON COUNTY...

THE FIRST OF THREE TORNADIC DAMAGE TRACKS STARTED APPROXIMATELY 200 YARDS SOUTH OF THE INTERSECTION OF EAST KIRSCH ROAD AND BLACKJACK ROAD OR 2.5 MILES SOUTH-SOUTHEAST OF TROY ILLINOIS. A MACHINE SHED WAS TOTALLY DESTROYED AT THIS LOCATION. THE TORNADO RAPIDLY MOVED SOUTH-SOUTHEAST AND CROSSED ILLINOIS HIGHWAY 4 NEAR LILAC ROAD OR 3 MILES SOUTHWEST OF ST. JACOB ILLINOIS. A FARM HOME WAS SUSTAINED SEVERE DAMAGE FROM A LARGE FALLEN TREE NEAR LILAC ROAD WHILE TWO MACHINE SHEDS SUSTAINED MINOR DAMAGE. MANY TREE TOPS ALONG THE TRACK OF THIS TORNADO WERE SEVERED AT THE TOP. THE LENGHT OF THE TORNADIC DAMAGE TRACK WAS 4 MILES AND HAD A WIDTH OF 40-50 YARDS. THE DAMAGE WAS RATED FO ON THE FUJITA SCALE WITH ESTIMATED WINDS OF 70 TO 80 MPH. THE INITIAL TORNADO TOUCHDOWN OCCURRED AT APPROXIMATELY AT 1137 AM CDT.

A SECOND TORNADO FORMED ABOUT A MINUTE LATER (1138 AM CDT) AND SOUTH OF THE FIRST TRACK NEAR THE INTERSECTION OF BLACKJACK AND LEBANON ROADS OR 4 MILES SOUTH SOUTHEAST OF TROY. THE SECOND TORNADO TRACK TRAVELED NEARLY EASTWARD AND ENDED NEAR THE INTERSECTION OF ROSE AND SUMMERFIELD ROADS OR 4 MILES SOUTH OF ST. JACOB IN EXTREME SOUTHEAST MADISON COUNTY. ONE FARMSTEAD SUSTAINED MINOR MACHINE SHED DAMAGE WHILE SEVERAL POWER POLES WERE DOWN EAST OF HIGHWAY 4. NUMEROUS LARGE TREES WERE SEVERED NEAR THE TOP ALONG THIS TRACK. THE LENGHT OF THE DAMAGE TRACK WAS 5.5 MILES IN LENGTH AND 40 TO 50 YARDS WIDE. THE DAMAGE WAS RATED FO.

BETWEEN THE TORANDO TRACKS AND LEBANON ILLINOIS DAMAGING DOWNBURST WINDS DOWNED TREES AND SEVERAL HUNDRED ACRES OF CORN. THE WIDTH OF THE DOWNBURSTS WAS APPROXIMATELY 5 MILES. WIND SPEEDS WERE ESTIMATED

# ST.CLAIR AND CLINTON COUNTIES...

A THIRD TORNADIC DAMAGE TRACK WAS UNCOVERED APPROXIMATELY 1/2 MILE NORTH OF U.S. 50 AND SUMMERFIELD ROAD AND EXTENDED NEARLY EASTWARD TO THE SOUTH SIDE OF TRENTON ILLINOIS IN CLINTON COUNTY. THE DAMAGE TRACK WAS INTERMITTEN WITH TREE TOPS SEVERED AT MANY LOCATIONS ALONG THIS TRACK. TWO SMALL GRAIN SILOS WERE DESTROYED OVER THE SOUTHEAST PART OF TRENTON BY THE TORNADO WHILE LARGE TREES DAMAGED SEVERAL HOMES ALONG THE SOUTHERN PART OF TOWN. THE LENGHT OF THE THIRD TORNADO TRACK WAS 6.0 MILES WHILE THE DAMAGE WIDTH RANGED BETWEEN 40 TO 60 YARDS. THE TORNADO INITIALLY TOUCHED DOWN AT APPROXIMATELY 1142 AM CDT AND CROSSED THE ST. CLAIR - CLINTON COUNTY LINE AT APPROXIMATELY 1145 AM CDT. THE DAMAGE INTENSITY WAS RATED F0. SEVERAL LARGE TREES WERE DOWN IN THE TOWN OF SUMMERFIELD DUE TO DOWNBURST WINDS. SOME OF THE TREES DAMAGED TWO HOMES. A SILO AND TWO MACHINE SHEDS AND A HOME ON A FARMSTEAD SUSTAINED DAMAGE 1.5 MILES SOUTHEAST OF TRENTON.

BETWEEN TRENTON AND NEW BADEN AND EAST TO ALBERS LARGE LIMBS OR TREES WERE DOWN WHILE HUNDREDS OF ACRES OF CORN WERE DAMAGED. STRONG MICROBURSTS EMBEDDED WITHIN THE DOWNBURST SWATH FLATTENED CORN AT SEVERAL LOCATIONS BETWEEN TRENTON AND GERMANTOWN. ONE MACHINE SHED WAS DAMAGED NEAR THE INTERSECTION OF AVISTON AND HIGHLINE ROADS WHILE A SECOND MACHINE SHED WAS DAMAGED 3 MILES WEST OF GERMANTOWN. WITNESES SOUTH OF TRENTON EXPERIENCED 1 INCH DIAMETER HAIL WITH THE HIGH WINDS. THE HAIL COMBINED WITH THE WIND DAMAGED WINDOWS AND SIDING AT SEVERAL FARMSTEADS.

A FOURTH TORNADO FORMED APPROXIMATELY 1.5 MILES WEST OF GERMANTOWN AND TOTALLY DESTROYED A LARGE POULTRY BUILDING AND DAMAGED TWO OTHER BUILDINGS. DEBRIS FROM THE POULTRY BUILDING WAS TOSSED 1/2 MILE TO THE EAST. THE TORNADO TOPPED SEVERAL TREES OVER GERMANTOWN. THE LENGTH OF THIS TORNADO TRACK WAS APPROXIMATELY 2.5 MILES WHILE THE DAMAGE WIDTH RANGED FROM 40 TO 60 YARDS. THE TORNADO INITALLY TOUCHDOWN AT APPROXIMATELY 1155 AM CDT AND WAS RATED F1 INTENSITY. DOWNBURST WINDS DAMAGED TREES AND CORN SOUTH OF A LINE FROM GERMANTOWN TO BARTELSO TO THE CLINTON COUNTY LINE. AGAIN STRONG MICROBURSTS EMBEDDED WITHIN THE DOWNBURST SWATHS FLATTEN CORN IN THE

FLOOD PLAIN NORTH OF THE KASKASKIA RIVER.

### WASHINGTON COUNTY...

AGAIN TREES..LARGE LIMBS AND CORN WAS DAMAGED BETWEEN THE KASKASKIA RIVER AND NEW MIDEN ILLINOIS. CORN WAS FLATTEN MAINLY NORTH OF NEW MIDEN. A FIFTH TORNADO INITIALY TOUCHED DOWN AT APPROXIMATELY 1205 PM CDT 1/4 MILE NORTH OF NEW MIDEN TO 1.5 MILES EAST SOUTHEAST OF HOYLETON ILLINOIS IN NORTHEAST WASHINGTON COUNTY. SILOS AND LARGE MACHINE SHEDS WERE DAMAGED 1 MILE EAST OF NEW MIDEN...AND AT SEVERAL LOCATIONS EAST SOUTHEAST OF HOYLETON. THE LENGHT OF THIS TORNADO

TRACK WAS 7 MILES WHILE THE DAMAGE WIDTH RANGED FROM 40 TO 100 YARDS. THE TORNADO INITIALLY TOUCHDOWN DOWN AT APPROXIMATELY 1207 PM CDT AND WAS RATED F0 INTENSITY. SOUTH OF THIS TORNADO TRACK TO INTERSTATE 64 DOWNBURST WINDS DAMAGED TREES AND CORN FIELDS.

THE STORM SYSTEM THAT CAUSED DAMAGE LATE FRIDAY MORNING THROUGH THE EARLY AFTERNOON HOURS IS COINED AS A BOW ECHO STORM. NON-SUPERCELL TORNADOES OCCURRED FROM NEAR THE APEX TO THE NORTHERN PART OR THE BOW WHILE SWATHS OF DOWNBURST WINDS OCCURRED ALONG THE BOW. WINDS WERE ESTIMATED UP TO 90 MPH OVER PARTS OF CLINTON COUNTY AND 70 TO 80 MPH OVER WASHINGTON COUNTY.

# Read the Local Storm Reports(LSR) from the morning of July 21, 2006

Several la	rge limbs and trees	down throughout	the tow	n of Granit	e city
1120 am	TSTM WND DMG	Granite City	IL	38.71 N	90.13 W
July 21, 2006		Madison		Law Enforcement	
	Nume	rous trees topped			
1123 am	TSTM WND DMG	E Shiloh	IL	38.55 N	89.89 W
July 21, 2006		St Clair		Trained Spotter	
12-14 i	inch diameter trees	down on lines an	d road	s are block	ed
1125 am	TSTM WND DMG	Collinsville	IL	38.68 N	90.0 W
July 21, 2006		Madison/St Clair		Amateur Radio	
Several large limbs and trees down over north O'Fallon					
1125 am	TSTM WND DMG	O'Fallon	IL	38.59 N	89.91 W
July 21, 2006		St Clair		Law Enforcement	
	Pov	wer lines down			
1130 am	TSTM WND DMG	Fairview Heights	IL	38.60 N	90.00 W
July 21, 2006		St Clair		Public	
Measi	ured at EOC – lots	of limbs down 6-1	12 inch	in diamete	er
1145 am	TSTM WND GST	Mascoutah	IL	38.51 N	89.81W
July 21, 2006	M 60 MPH	St Clair		Amateur Radio	
Numerous trees down					
1150 am	Hail	E Lebanon	IL	38.61 N	89.76W
July 21, 2006	E 1.75 inch	St Clair		Trained Spo	tter

NOAA's National Weather Service St. Louis, MO Weather Forecast Office 12 Missouri Research Park Drive St. Charles, MO 63304-5685 636-441-8467 Their were 13 Communities affected by the Storms of July 19<sup>th</sup> & July 21<sup>st</sup>. These Communities are listed as follows.

Caseyville

Lebanon

Summerfield

Cahokia

Brooklyn

Fairmont

Dupo

Centreville

Washington Park

East Carondelet

Sugar Loaf Township

Alorton

**East Saint Louis** 

# The St. Clair Co. Government Departments affected

Health Dept. Intergovernmental Grants Dept County Highway Dept Bi-County Transit District 911 PSAPS in St. Clair Co. ESDA

# **Non-Governmental Entities affected**

Red Cross Salvation Army Dept. Human Services

# **State of Illinois**

IEMA IDOT

State EOC

The communities that were affected were mostly at the West end of the County. There were also two communities affected at the East portion of the County. These communities were basically without power for up to seven to eight days in some sections of the County.

All of the Emergency personnel were strained by the first storm on July 19<sup>th</sup>, but were coping with the hardships from the storm damage.

# **Communications (CENCOM)**

All St. Clair Co. 911 PSAPS were over whelmed with 911 calls. CENCOM the largest PSAP in St. Clair Co. had unprecedented call volume that was handled by the PSAP Center. Every

position that was able to be filled was staffed. The following are call volumes are provided by the ETSB for 911 as follows.

Belleville 111 Cahokia 98 Caseyville 6 Centreville 27 E. St. Louis 111 Fairview 16 O'Fallon 11 Swansea 5 CENCOM 1339

More than 99 fire calls were dispatched in the next hour or two.

In the next several days thousands of calls continued to flood CENCOM for various needs of information or assistance.

On July 21<sup>st</sup> St. Clair Co. received the second storm at approximately 11:00 am. Again the National Weather Service issued a Severe Thunderstorm Warning and all appropriate Warning procedures were activated by CENCOM. More than 120 fire calls were dispatched by CENCOM for power lines down, lighting strikes to residences, water rescues, vehicles trapped in flash floods, house collapse, etc. Call volume on this day was the highest ever at CENCOM for the period of the storm. CENCOM totaled 1664 in this period.

#### **Evaluation:**

During these major incidents and the days that followed, St Clair County Central Dispatch stood up to the test and performed very well. Though being overwhelmed and under extreme stress, the Telecommunicators remained calm and focused on the job at hand. Literally thousands of calls for help. Their professionalism and work ethic made these situations manageable. I truly believe that these storms tested the strength and capability of CENCOM. CENCOM by all accounts served the citizens of St. Clair County in an admirable way.

#### **Cooling Shelters**

During the aftermath of the two storms it was obvious that cooling centers and shelters would have to be opened for the citizens of the communities that were affected.

The following cooling centers and shelters were opened in various parts of St. Clair Co.

### E. St. Louis

Clyde Jordan Senior Center 6755 State Street Lincoln Middle School 10<sup>th</sup> & Broadway Nelson Mandela School 1800 N. 25<sup>th</sup> St Cahokia American Legion 20 Delano Drive Cahokia Senior Center 190 Cahokia Park Drive Caseyville Cross Road Christian Church 2415 N.89<sup>th</sup> Street

#### Belleville

**EMGE School** 

The shelters and cooling centers were administered water food ,and ice from County Government, State, Red Cross, Salvation Army, and United Way.

# St. Clair County Updated 0900, 26 July 2006

# **Cooling Center**

Salvation Army 20 Glory Place

Food Distribution Site

Belleville 235-7378

# **Cooling Center and Shelter**

American Legion

20 Delano Drive Food Distribution Site

Cahokia 337-1183

Cahokia Senior Center

190 Cahokia Park Drive Food Distribution Site

Cahokia 337-9515

# **Cooling Center and Shelter estab 7-26-06**

Cross Road Christian Church Food Distribution Site 2415 N. 89<sup>th</sup> Street
Caseyville
618/ 397-5842
POC Rev. Cripe

• Go through Bob Knight for updates

# **Madison County**

# **Cooling Center and Shelter**

Granite City Township Office (Serves as a cooling Center – has some cots for sheltering)

2060 Delmar Granite City

Food Distribution Site

Salvation Army (Cooling center)

3007 E. 23<sup>rd</sup> St. Food Distribution Site

# **Granite City**

Salvation Army (Cooling center)

525 Alby St. Food Distribution Site

Alton

\* Go through Larry Ringering – Madison Co. EMA – 692-0537 for updates

# E. St. Louis

Clyde Jordan Senior Center - 24 Hour cooling center

6755 State Food Distribution Site

E. St. Louis

Lincoln Middle School – 24 Hour cooling center 10<sup>th</sup> and Broadway Food Distribution Site E. St. Louis

Nelson Mandela School – cooling center 1800 N. 25<sup>th</sup> St. Food Distribution Site E. St. Louis

The following is a list of items purchased by the County to assist in aid and recovery.

	J
CONSOLIDATED ICE CO., INC	\$ 6,787.50
LANDSHIRE, INC. (FOOD)	\$ 11,242.56
TRACTOR SUPPLY CO. (GENERATOR)	\$ 699.92
INTERGOVERNMENTAL GRANTS DEPT	\$300,000.00
FOOD VOUCHERS FOR 5169-APPROXIMATELY.	\$300,000.00
ST. CLAIR COUNTY HEALTH DEPT	\$1,313.92
OVERTIME & RELATED COSTS	\$1,313.92
ESTIMATED OVERTIME FOR ALL OTHER	\$35,000.00
COUNTY OPERATIONS (STILL WORKING)	\$33,000.00
COUNTY HIGHWAY DEPT	\$122,386.89
TOTAL	\$477,430.79

INITIAL DAMAGE ASSESSME	NTS FOR THE 13 COMMUNITIES
SUGAR LOAF TOWNSHIP	\$108,775.28
LEBANON	\$200,925.00
WASHINGTON PARK	\$
FAIRMONT CITY	\$35,000.00
SUMMERFIELD	\$
DUPO	\$352,494.37
ALORTON	\$
E. ST. LOUIS	\$
CENTREVILLE	\$20,455.49
CAHOIKIA	\$
CASEYVILLE	\$44,376.65
BROOKLYN	\$
FAIRVIEW HEIGHTS	\$

The total dollar amounts listed above for damage assessment are only estimates. The communities without dollar amounts listed above have turned their damage assessment forms into IEMA and FEMA. I have requested final damage assessment forms from IEMA and FEMA when they become completed for St. Clair Co. records.

# **COUNTY ESDA**

County ESDA activated it's EOC after the second storm on July,21<sup>st</sup>.

County ESDA was performing damage assessment after the first storm. After the second storm it was evident that the support of the State assets would be necessary to help in the response and recovery efforts. While the County made efforts to supply water, ice and food to the residents of the affected areas, the decision was made to request State assets. On Saturday, July 22<sup>nd</sup> regional coordinator Stan Krushas requested the State Unified Area Command Vehicle. The state unified area command post unit was activated and began coordinating business. Coordinating efforts began by distributing water, ice and food to residents of the affected areas primarily in the cooling shelters. Also the State began the damage assessment process by sending teams to the affected areas in the County.

# PROCLAMATION OF ST. CLAIR COUNTY DISASTER EMERGENCY

On July 19<sup>th</sup>, 2006 St. Clair County Board Chairman Mark Kern did proclaim that a disaster emergency exists in St. Clair County due to Severe thunderstorms, wind damage, and wide spread power outages.

# Proclamation of St. Clair County Disaster Emergency

Under authority of Chapter 127 Section 1113 of the Illinois Revised Statutes, I, Mark Kern, Chairman of the St. Clair County board, upon recommendation of the Coordinator of the St. Clair County Emergency Services and Disaster Agency, do hereby proclaim that a disaster emergency exists in St. Clair County due to the following reasons:

Severe thunderstorms, wind damage, wide spread power outages
, Coordinator of <u>St. Clair County</u> Emergency Services and Disaster Agency is ordered to proceed with all haste to bring said disaster emergency to a rapid conclusion for the best interest of the residents of the County pursuant to the Illinois Emergency Services and Disaster Agency Act of 1975 and the <u>St. Clair County</u> Emergency Services and Disaster Ordinance of 1976.
This proclamation is effectiveJuly 19, 2006 and shall expireJuly 26, 2006 unless extended by the St. Clair County.  Chairman St. Clair County Board
Filed this 200 day of 5 2006 with the St. Clair County Clerk.

or can county even

# **IEMA**

IEMA played a key role in assisting the county in response, recovery and coordinating County & State assets.



IEMA Unified Area Command Post was located at the Flying J truck stop Rt. 15

# GOV. BLAGOJEVICH ASKS PRESIDENT BUSH FOR FEDERAL DISASTER DECLARATION COVERING ST. CLAIR, MADISON, CLINTON, JEFFERSON AND WASHINGTON COUNTIES.

Gov. Rod R. Blagojevich today July 26<sup>th</sup>, 2006 asked President Bush to declare five Metro East counties as federal disaster areas in the wake of the severe storm that battered that region a week ago and again last Friday. A federal disaster declaration would enable people, businesses and local governments in the affected areas to apply for grants and loans to help with storm related losses. Counties in the Governor's request include St. Clair Madison, Clinton, Jefferson and Washington.



Severe storms with high winds moved through fillinois on Wednesday July 20, 2006. These storms resulted in extensive power outages and durage to horses and husinesses creating significant debris. In addition the extreme heat causes the need to address life safety invests to impacted areas. An additional round of severe storms with high winds struck the region Friday, July 21, 2006 slowing down recovery and causing additional duauge.

In the interest of aiding the circums of Illinois and the local governments responsible for easiering public health and safety, I hereby proclaim that a dissetor exists within the State of Illinois, and specifically, declare Madison and St. Chir counties as disaster areas, parametro the provisions of the Illinois Emergency Management Agency Act, 20 ILCS 330371.

This government approximation of disaster will facilitate the Illinois Energency

Management Agency is providing financial assistance from the disaster relief and for
extraordinary costs incurred by local units of government in responding to and occurry from the
damage and debtis. This proglamation will facilitate coordination of state assets in responding to
local government requests for assistance in the coordination government imposted by the disaster.

Rod R. Blaggevil

Duted July 21, 2006

**NEWS** 

## FOR IMMEDIATE RELEASE:

July 26, 2006

 Cheryle Jackson
 312/814.3158

 Abby Ottenhoff
 312/814.3158

 Rebecca Rausch
 217/782.7355

 Gerardo Cardenas
 312/814.3158

 Maggie Carson (IEMA)
 217/725.0589 (cell)

CONTACTS:

Gov. Blagojevich asks President Bush for federal disaster declaration covering St. Clair, Madison, Clinton, Jefferson and Washington Counties

# Federal declaration would give residents, businesses and local governments access to financial assistance in effort to recover from severe storm damage

CHICAGO – Governor Rod R. Blagojevich today asked President Bush to declare five Metro East counties as federal disaster areas in the wake of the severe storms that battered that region a week ago and again last Friday. A federal disaster declaration would enable people, businesses and local governments in the affected areas to apply for grants and loans to help with storm-related losses. Counties in the Governor's request include St. Clair, Madison, Clinton, Jefferson and Washington.

The Governor had declared all five counties disaster areas, with Washington County being declared today. The state declaration makes it possible for local units of government to be partially reimbursed for extraordinary costs incurred during the disaster response and cleanup.

"The Metro East region was hit especially hard twice by these storms, hundreds of thousands of people have been without electricity and some have lost their homes. We know that the road to recovery in this region will be a long one, so today I asked President Bush for federal assistance," said Gov. Blagojevich after reviewing the first damage assessment reports submitted by local officials.

The Federal Emergency Management Agency (FEMA) is expected to be on site Friday morning to begin a Preliminary Damage Assessment (PDA), the first step toward securing a federal declaration. The initial reports submitted by local officials showed more than 2,600 homes

damaged in the five-county area, and those numbers included totals from just a handful of communities. Included in that number were eight homes destroyed and 180 that had sustained major damage.

The state has been intensively involved with response and recovery efforts in the Metro East since last week. The Governor directed agencies to aid in response, including:

- Directed the Illinois Emergency Management Agency and county Emergency Services and Disaster agencies to work with the local Red Cross to establish cooling centers in the area during the early days of the power outage, when heat indexes reached 115 degrees.
- Activated the State Emergency Operations Center in Springfield on Friday to coordinate state response efforts to the storm-ravaged areas. The Governor also dispatched the Illinois Emergency Management Agency's Unified Area Command, or UAC, vehicle to the Metro East. The UAC is providing coordinated assistance with the recovery efforts in the entire region.
- Dispatched State Damage Assessment Teams to identify the areas of greatest need on Thursday, and to evaluate the damage.
- Instructed the Illinois Environmental Protection Agency to temporarily waive the requirement that gasoline distributors sell a special gasoline blend in the Metro East region.
- Sent a letter to the U.S. Environmental Protection Agency (U.S.EPA) requesting waivers to avoid any fuel shortages following the devastating storms that roared through southwestern Illinois late last week. The U.S. EPA has granted Governor's Blagojevich's request to waive the requirement that gasoline distributors sell a special gasoline blend in the Metro East region (St. Clair, Madison and Monroe). The waiver is for 10 days and will be effective through Aug. 4, 2006.
- Directed the Illinois EPA to expedite the review of the construction permits requested by ConocoPhillips to install portable cooling towers so that their refinery in Wood River, IL can resume production after sustaining damage in this week's storms.
- Sent equipment and staff from IDOT to the affected areas to remove the downed trees, branches and other debris.
- Dispatched dozens of work crews from the Department of Corrections to provide much needed labor.
- Activated the Department of Human Services Emergency helpline for Metro East residents in need of social services. The toll free number is 1-800-568-0446 voice or 1-800-447-6404 TTY.

To date, Illinois departments and agencies have responded by providing the following aid and assistance:

- The Department of Natural Resources provided chain saws and operators for debris removal.
- The Illinois State Police provided law enforcement assistance, upon request, to local law enforcement agencies.
- IEMA distributed more than 15,000 ready-to-eat meals.
- DHS issued replacement food stamps to 10,000 people whose food was destroyed.
- IEMA delivered 18,750 bags of ice.
- IDOC delivered more than 85,000 8-oz. containers of water.
- Thirty-nine inmate work crews, and more than 150 IDOT trucks, chippers, backhoes and end loaders, and removed more than 275,000 cubic yards of debris.

#### FEMA DAMAGE ASSESSMENT TEAMS

The FEMA damage assessment teams arrived and meet with the executive officers of the storm damage affected towns, and cities. In the next several days assessment teams compiled damage reports and forms were turned in.

# REQUESTS FOR FEDERAL AID DENIED

The Federal Government denied requests for the storm damage that occurred on July 19<sup>th</sup> & the 21<sup>st</sup>. The State of Illinois has appealed the requests for assistance once again, and are awaiting a response from the Federal Government.

# STATE OF ILLINOIS APPEALS DECISION BY FEMA

On July, 31<sup>st</sup> 2006 the State of Illinois appealed the decision by FEMA to deny St. Clair County Federal assistance.

IEMA and St. Clair Co. are still awaiting a decision as of Sept. 28<sup>th</sup>, 2006

# **Planning, Training and Preparedness**

The County of St. Clair has adopted the National Incident Management System (NIMS) standards. NIMS compliance has certain requirements that must be met by October 2006, which includes training on incident command and responses to critical incidents. All communities have accomplished some training. And a significant number of our County Officials have also attended training. The County must continue to work towards NIMS compliance; both because it is mandated and because it will help us better manage future events.

Training and planning for disaster response is very important, but it is not without expenses both in time and material. Detailed plans must be developed to respond to a number of critical incidents, including severe weather events, infectious disease pandemics, earthquakes, hazardous material incidents, mass casualty traffic accidents, building collapses and terrorist acts. These plans should be as detailed as possible to reduce the "on the fly" decision making that must occur during a critical incident. Elected officials must be included in these plans and exercises so that they understand how government would respond. This will aid them in understanding and communicating to their constituents the 'how' and 'why' to any response conducted.

County Officials and Department Heads need to regularly train and rehearse response plans. There are only two ways to know if a system will work properly. One is to rehearse it and test it. The other is to wait until a critical event occurs and then see what works and what does not. The choice should be obvious.

The County should also consider conducting practical exercises which entail actually rehearsing responses in the field with mock disaster situations. A County wide disaster exercise can be very expensive. However it should be considered at some time in the next couple of years.

# Increase in Planning and Exercises

Recommendations are that the County and City Departments increase planning and exercises to improve our responses and to test our abilities and procedures.

## Radio Inoperability

All have recognized that having the capability to communicate effectively during a critical incident is very important. Emergency responders strongly believe that the entire County should begin working towards becoming part of St. Clair County's new interoperable radio system.

#### County EOC

The County at this time is in the process of constructing a new EOC. The entire County will benefit from this new EOC. It will have new technology to better serve and coordinate the entire County during a disaster that could effect multiple jurisdictions at one time.

# **Summary**

By most estimates and observations ant County and City Governments performed extremely well in managing this situation. Sufficient personnel were able to be recalled to duty quickly' incident command ran smoothly; goals and objectives were met; and assistance from outside agencies (state, and local) was abundant and sufficient.

The lost revenue for businesses in the cities as well as the revenue for the city has yet to be realized. This cannot be accurately estimated until sometime later, when total damage assessment is received from FEMA.

Finally the County recognizes that management of this situation could not have occurred without the significant assistance of other agencies and the employees of neighboring communities, St. Clair County, and the State of Illinois, and contributions of numerous volunteers.

Attached to this summary is the press release denying the State of Illinois' appeal to receive federal funding to assist St. Clair County in recovery from the storm damage that occurred on July 19 and July 21, 2006 (attachment 1)

Although St. Clair County was denied assistance, the U.S. Small Business Administration will be offering residents of St. Clair County low interest rate loans to Home Owners, Renters, and Businesses (attachment 2). The informational forms sent to the communities are also attached.



DCT 1 3 2006

The Honorable Rod R. Blagojevich Governor of Illinois 207 State House Springfield, Illinois 62706

Dear Governor Blagojevich:

This is in response to your August 31; 2006, appeal for a major disaster declaration for the State of Illinois as a result of severe storms during the period of July 19-21, 2006.

After a thorough review of the information contained in your initial request and appeal, we reaffirm our original findings that the impact from this event is not of the severity and magnitude that warrants a major disaster declaration. The required response appears to be within the combined capabilities of the State and affected local governments. Therefore, I must inform you that your appeal is denied.

I regret that a favorable conclusion could not be reached in this case.

Sincerely,

Director

www.fema.gov

10/19/2006 11:21 FAX 618 344 1159

IEMA REGION EIGHT IEMA TRAINING - DARRYL ELBE

Ø 002 PAGE 03

OCT. 19 2006 9:154M DISASTER ASSISTANCE 202-205-7728

NO. 1787 P. 3/3

The number assigned to this disaster for physical damage is 10646 C and for contemic injury is 10647 0.

The States which received an EIDL Declaration # are ILLINOIS

MISSOURI

(Catalog of Federal Domestic Assistance Numbers 59002 and 59008)

OCT 1 8 2006

Steven C. Preston Administrator 10/19/2006 11:21 FAX 618 344 1159 10/19/2005 10:40 2175571976

IEMA REGION EIGHT IEMA TRAINING

- DARRYL ELBE

Ø 004 PAGE B2

OCT. 19. 2006 9:15AM

DISASTER ASSISTANCE 202-205-7728

NO. 1787 P. 2/3

Billing Code 8025-01-P

U.S. SMALL BUSINESS ADMINISTRATION

Disaster Declaration # 10646 and # 10647

ILLINOIS Disaster # IL-00004

AGENCY: U.S. SMALL BUSINESS ADMINISTRATION

ACTION: Notice

SUMMARY: This is a notice of an Administrative declaration of a disaster for the State of ILLINOIS dated 10/18/2006.

INCIDENT: Tornadoes, Sovere Storms and Flooding

INCIDENT PERIOD: 07/19/2006 through 07/21/2006

EFFECTIVE DATE: 10/18/2006

PHYSICAL LOAN APPLICATION DEADLINE DATE:

12/18/2006

ECONOMIC INJURY (EIDL) LOAN APPLICATION DEADLINE DATE:

07/18/2007

ADDRESSES: Submit completed lean applications to :

U.S. SMALL BUSINESS ADMINISTRATION

PROCESSING AND DISBURSEMENT CENTER

14925 KINGSPORT ROAD

FORT WORTH, TX 76155

FOR FURTHER INFORMATION CONTACT: A. Escober, Office of Disaster Assistance, U.S. Small Business Administration, 409 3rd Street, SW, Suite 6050, Washington, DC 20416

SUPPLEMENTARY INFORMATION: Notice is hereby given that as a result of the Administrator's disaster declaration, applications for disaster loans may be filed at the address listed above or other locally announced locations.

The following areas have been determined to be adversely affected by the disaster:

Primary Counties:

**JEFFERSON** 

ST. CLAIR

Contiguous Counties:

ILLINOIS

CLINTON MADISON PEERY WAYNE

FRANKLIN MARION RANDOLPH HAMILTON MONROE WASHINGTON

96%

MISSOURI

ST. LOUIS

ST. LOUIS CITY

The Interest Raps are:

HOMEOWNERS WITH CREDIT AVAILABLE ELSEWHERE HOMEOWNERS WITHOUT CREDIT AVAILABLE ELSEWHERE BUSINESSES WITH CREDIT AVAILABLE BLSEWHERE

5.875 2.937 7.763

4 000

BUSINESSES & SMALL AGRICULTURAL COOPERATIVES WITHOUT CREDIT AVAILABLE ELSEWIERE OTHER (INCLUDING NON-PROFIT ORGANIZATIONS) WITH CREDIT AVAILABLE ELSEWHERE

5,000

BUSINESSES AND NON-PROFIT ORGANIZATIONS WITHOUT CREDIT AVAILABLE ELSEWHERE

4.000

P.04



# **DISASTER NEWS**

Loans for Homeowners, Renters and Businesses of All Sizes
SBA Disaster Assistance – Field Operations Center- East - One Baltimore Place, Suite 300 - Atlanta, GA 30308

Release Date: October 19, 2006

Release Number: 07-053, IL 10646/10647

Contact: Michael Lampton Phone: (404) 347-3771

# SBA Offers Disaster Assistance To Illinois Residents Affected By Tornadoes, Severe Storms and Flooding

**WASHINGTON** – Steven C. Preston, Administrator of the U.S. Small Business Administration (SBA) announced that low-interest disaster loans will be made to Illinois residents affected by the tornadoes, severe storms and flooding that occurred on July 19-21, 2006.

Administrator Preston took this action following an October 16 letter from Illinois Governor Rod Blagojevich requesting a disaster declaration by SBA. The declaration covers **Jefferson** and **St. Clair** counties and the neighboring counties of Clinton, Franklin, Hamilton, Madison, Marion, Monroe, Perry, Randolph, Washington and Wayne in the State of Illinois and the contiguous St. Louis County and the independent city of St. Louis in the State of Missouri.

"We look forward to working with Illinois and the people affected by the tornadoes, severe storms and flooding to make SBA disaster loans available to homeowners, renters and businesses," said Administrator Preston.

Frank Skaggs, Director of Disaster Field Operations Center East said, "Loans up to \$200,000 are available to homeowners to repair or replace damaged or destroyed real estate. Homeowners and renters are eligible for up to \$40,000 to repair or replace damaged or destroyed personal property. SBA customer service representatives will be on hand at the following Disaster Loan Outreach Centers to issue loan applications, answer questions about SBA's disaster loan program, explain the application process and help each individual complete their application."

The Centers will be located in the following communities and will open on the indicated days and times:

#### Jefferson County

City Hall 1100 Main Street

Mount Vernon, IL 62864

Opens: Friday, Oct. 20; from 8 a.m. – 4 p.m. Hours: Monday-Friday; 8 a.m. – 4 p.m.

Saturday; 9 a.m. – 1 p.m.

(until further notice)

#### St. Clair County

City Hall

301 River Park Drive East St. Louis, IL 62201

Opens: Friday, Oct. 20; from 9 a.m. - 6 p.m.

Hours: Monday-Friday; 9 a.m. - 6 p.m.

Saturday; 9 a.m. – 1 p.m. (until further notice)

Judith Roussel, SBA's Illinois District Director, stresses that these "low-interest Federal disaster loans are available to homeowners, renters, businesses of all sizes and private, non-profit organizations whose property was damaged or destroyed by the incident."

-more-

Page 2 SBA Offers Disaster Assistance To Illinois Residents Affected By Tornadoes, Severe Storms and Flooding

Businesses of any size and private non-profit organizations may borrow up to \$1.5 million to repair or replace damaged or destroyed real estate, machinery and equipment, inventory, and other business assets. SBA can also lend additional funds to help with the cost of making improvements that protect, prevent or minimize the same type of disaster damage from occurring in the future.

For small businesses only, SBA offers Economic Injury Disaster Loans (EIDLs) to help meet working capital needs caused by the disaster. EIDL assistance is available regardless of whether the business suffered any property damage.

Individuals and businesses unable to visit SBA in person may obtain information and loan applications by calling toll-free (800) 659-2955. Hearing impaired individuals may call (800) 877-8339.

The filing deadline to return applications for property damage is **December 18, 2006.** The deadline to return economic injury applications is **July 18, 2007.** 

####

For more information about the SBA's Disaster Loan Programs, visit our website at www.sba.gov/disaster