



IPWMAN

ILLINOIS PUBLIC WORKS MUTUAL AID NETWORK

A Statewide Mutual Aid System for Public Works

Barb Stiehl

- Vice President – IPWMAN
- Assistant to the Public Works Director – City of Urbana
- Alternate – Illinois Terrorism Task Force Representative for IPWMAN
- Alternate – State Emergency Operations Center Representative for IPWMAN



Slide 2

MD1

Mark Doerfler, 8/2/2017



IPWMAN Mission Statement

“It is the mission of the Illinois Public Works Mutual Aid Network (**IPWMAN**), in the spirit of intergovernmental cooperation, to develop and maintain a statewide network of public works related agencies whose principal purpose is to provide mutual aid response and recovery assistance to each other when confronted with natural or man-made emergencies and disasters.”



Why Statewide Public Works Mutual Aid?



- By definition, disasters are typically beyond our capability to handle without outside assistance.
- Most disasters will also affect our neighboring communities.
- As a first responder, Public Works will be involved in a disaster from the beginning of response until the end of recovery
- Public Works manpower is limited , therefore mutual aid is needed earlier in an incident.
- Public Works must be self-sufficient. They don't always have the required resources to adequately respond.
- You are on your own for the first 72 hours
- Other 1st Responders have systems already in place



It's a Fact

It's not a matter of if it's going to happen.....

It's when it's going to happen.....





History





- **Federal Directives after 9/11**

- HSPD-5: Established the National Incident Management System (NIMS) and Incident Command System (ICS)
- HSPD-8: Expanded definition of 1st responders to include **Public Works personnel**





- The Illinois Public Works Mutual Aid Network (IPWMAN) started when several groups within the state of Illinois realized that they were trying to develop regional mutual aid organizations. It became apparent that if a disaster hit a region, regional organizations would not be able to provide assistance outside of their own jurisdictions. With the initial backing from the Illinois Water Works Association, and then with support from the Chicago Metro and Illinois Chapters of the American Public Works Association, Illinois Association of County Engineers and Illinois Department of Transportation, agencies from various locations within the state began working on a state-wide mutual aid organization.





- **A Statewide Mutual Aid System for Public Works Agencies In Illinois**
- **Members Can Be**
 - Municipal Public Works
 - Townships / Unit Road Districts,
 - County Highway Departments,
 - Water, and Wastewater Agencies/Districts
 - Park Districts
 - Any public agency performing a public works function





- Representatives from the Illinois Law Enforcement Alarm System (ILEAS), the Mutual Aid Box Alarm System (MABAS), Illinois Emergency Management Agency (IEMA), and the Illinois Terrorism Task Force (ITTF) offered support and experience as IPWMAN developed the framework for its organization.
- In 2008, the IPWMAN Interim Board of Directors began the task of writing IPWMAN's articles of incorporation, by-laws, policies and procedures, operations plan and intergovernmental agreement; securing agreements with other mutual aid and emergency response agencies; establishing a call center; and developing a plan for transition into an incorporated organization.





- In January 2009, IPWMAN was officially incorporated. Rick Marley, City of Decatur, was the first president; Chris Isbell, Stephenson County, vice-president; and Barb Stiehl, City of Urbana, Secretary/Treasurer.
- At that time, there were 3 member agencies:
 - Stephenson County
 - Village of Wauconda
 - City of Urbana
- IPWMAN's first response to a disaster occurred in May of 2009 when IPWMAN responded to Carterville to assist with clean-up following damaging straight-line winds





- Since 2009, IPWMAN's membership has grown steadily to over 330 agencies.
- IPWMAN represents the public works community as a member of the Illinois Terrorism Task Force, has a seat at the State Emergency Operations Center and works with other mutual aid organizations in response to emergency and disaster mitigation.
- IPWMAN has responded to requests for assistance resulting from flooding, tornadoes, wind, etc. several times each year.





The Organization





The governing Board of the organization consists of 21 officers that meet quarterly at different locations around the State:

- President
- Vice President
- Secretary
- Treasurer
- Immediate Past President
- 16 Regional Directors



Board of Directors

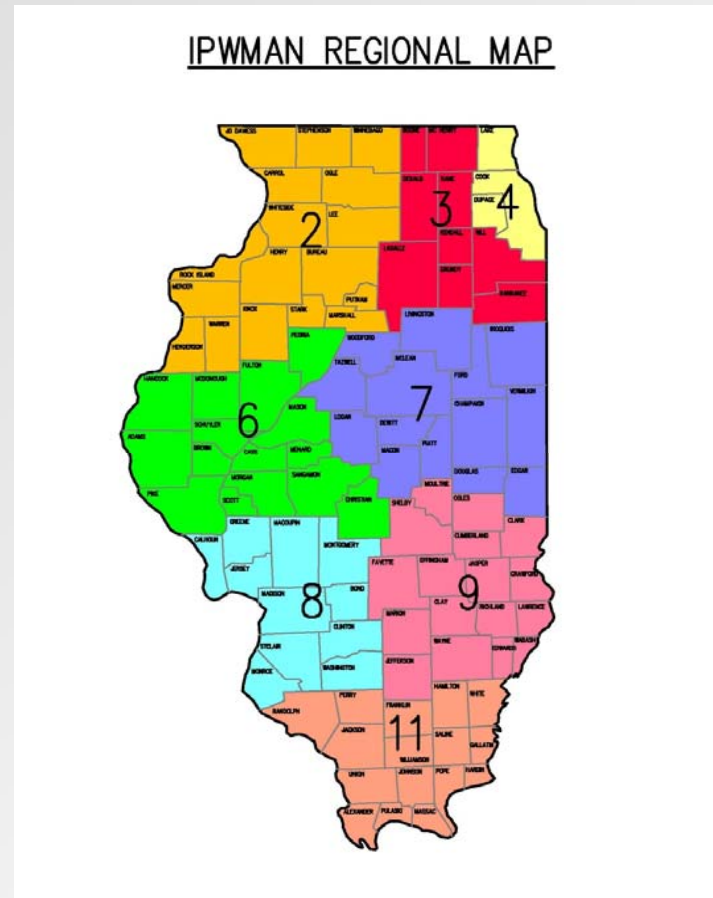


Executive Board Members

Ed Markison	President	McHenry County	president@ipwman.org
Barb Stiehl	Vice President	City of Urbana	vicepresident@ipwman.org
Howard Killian	Treasurer	Village of Elmhurst	treasurer@ipwman.org
Mark Doerfler	Secretary	Wauponsee Township	secretary@ipwman.org
Don Wenzel	Past President	City of Rolling Meadows	pastpresident@ipwman.org



Regions Identical to IEMA Regions



Benefits of IPWMAN

- All public works related agencies can be members
- Membership sets priorities and controls system
- Network maintains current, readily accessible listing of available resources
- Recognized by IEMA and other statewide mutual aid organizations
- Hold a seat in the State Emergency Operations Center
- Comprehensive, public works driven and led training
- Access to assets from all corners of Illinois
- First 5 days support provided at no cost
- Standardized operating procedures for disaster response
- Quick and direct access to assets
- One agreement, simplified reimbursement

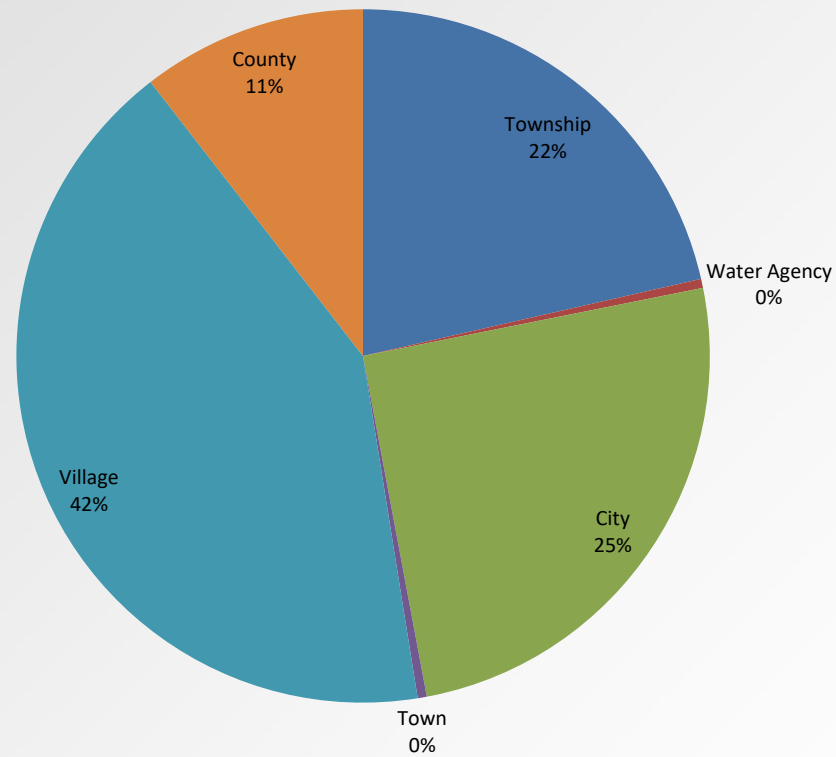




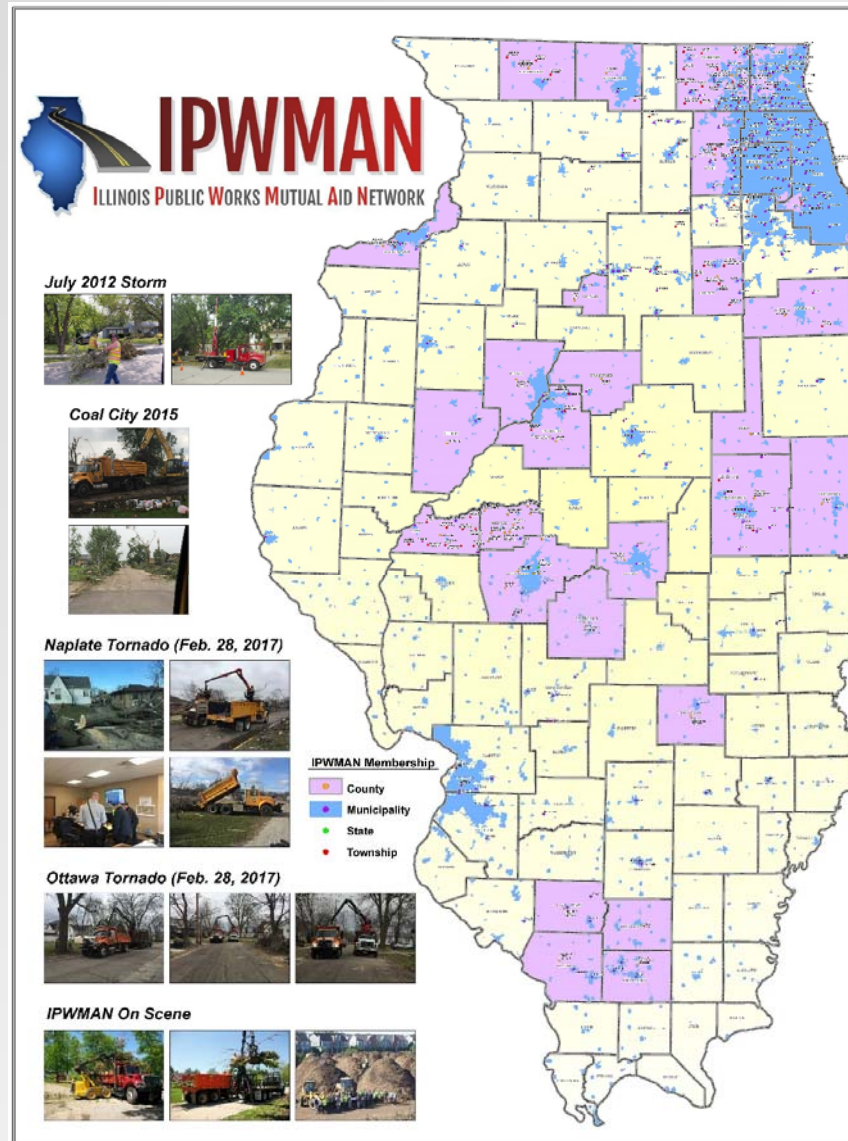
Membership



IPWMAN Membership by Agency Type



2009 – 3 Members
February 2018 – 330+ Members





Benefits To Becoming A Member:

- Access to assets from all of Illinois
- First 5 days support provided at no cost
- Standardized operating procedures for disaster response
- Quick and direct access to assets
- One agreement, simplified reimbursement



Mutual Aid Agreement Highlights

- Authority is provided under Illinois law
- One standard agreement signed by each member agency.
- Self renewing after first year with payment of dues
- Can cancel at any time
- No obligation to respond
- 12 hour minimum response guarantee
- Can recall resources at any time after first 12 hours
- Reimbursement may be available after 5 days



How much does it cost?

- **Member fees support**
 - Dispatch center
 - Web site maintenance
 - Maintenance of resource lists
 - Insurance, etc.
 - Contracted administrative support
 - Portion of annual conference
- **Fees are based on population served**
 - Under 15,000 -- \$100 per year
 - 15,001 to 75,000 -- \$250 per year
 - Over 75,000 -- \$500 per year



How can I become a member?

1. Visit the web site (www.ipwman.org) & download checklist, agreement, emergency contact list, instructions & model ordinance
2. Let IPWMAN know you are considering membership
3. Complete checklist, agreement & ordinance and have approved by governing authority
4. Send those documents and dues check for proper amount to IPWMAN
5. Send a letter, e-mail or memo stating that your agency has submitted a list of resources to your local EMA





Response



Examples of Events That Mutual Aid Can Be Used

Tornados / Wind Storms
Blizzards / Ice Storms
Earthquakes



Flooding/ Sandbagging
Infrastructure Failures
Terrorism Events
Non-Emergency /
Planned Events



Examples of Mutual Aid That Can Be Provided

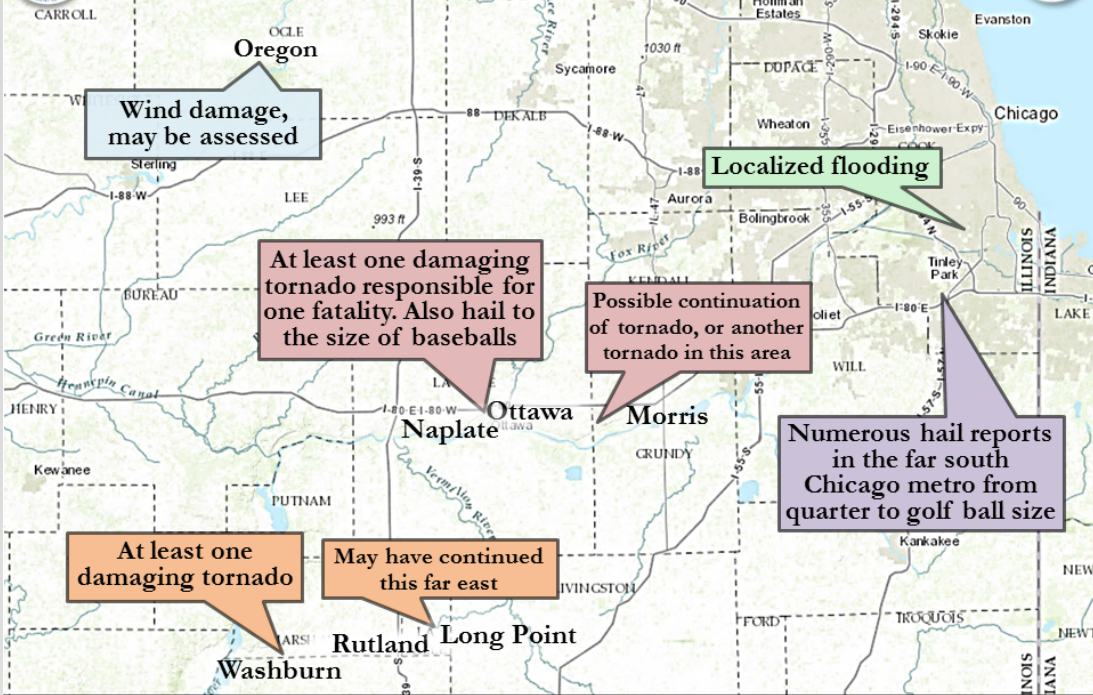
Materials
Equipment
Various Teams
Public Administration Assistance



2017



February 28, 2017 Storm Map



National Weather Service – Chicago, Illinois weather.gov/chicago 3/1/17: 6 am

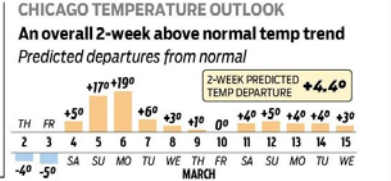
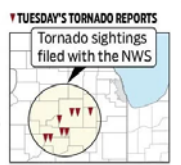
Naplate-Ottawa twister rated a powerful “EF3” making it this area’s strongest early season tornado since 1950; Clipper could bring some snow—but strong warming is due Sunday

TUESDAY’S TORNADO OUTBREAK
Rare early season twisters—including the strongest on record so early
From the National Weather Service’s storm survey team Wednesday:

- Naplate-Ottawa IL twister** (4:41 p.m. - 4:59 p.m.)
EF-3 PATH LENGTH 11.5 miles WINDS 155 mph
- Oregon, IL twister** (5:07 p.m. - 5:09 p.m.)
EF-1 PATH LENGTH 1.5 miles WINDS 90-95 mph
- Ottawa, IL twister #2** (5:00 p.m. - 5:02 p.m.)
EF-1 PATH LENGTH 1.5 miles WINDS 110 mph

Only 2 other tornado days on record in Chicago in January and February since 1950
IN THIS 21 COUNTY AREA IN AND AROUND CHICAGO

Cook	Kankakee	Boone (IN)	Kenosha (WI)
DeKalb	LaSalle	Lake (IN)	Walworth (WI)
Iroquois	McHenry	LaPorte (IN)	
Grundy	Ogle	Newton (IN)	
DuPage	Will	Jasper (IN)	
Kane	Lake (IN)	Stark (IN)	



SUNDAY 60° WARMTH
Chicago back into the unseasonably mild air
FORECAST HIGH TEMPS

SOURCES: Frank Wachowski, National Weather Service archives ELYSE SMITH, THOMAS VALLE / WGN-TV



Naplate Tornado (Feb. 28, 2017)



22 Agencies plus Debris Management Operations Staff for 5 days – Value of aid provided \$350,000



Ottawa Tornado (Feb. 28, 2017)



18 Agencies for 5 days
4 Agencies for 3 days – Total Value of aid provided \$150,000



VALUE OF AID PROVIDED

**Since 2009 when organization was formed,
members have provided stricken members with
over \$2,500,000 in Mutual Aid**



General Guide To Activation

- Assess Your Needs
 - Identify missions that need to be accomplished
 - Needs may change as your event goes on
 - Be ready to answer questions from the “Resource Coordinator”
- Call the Call Center
 - They take information and pass it on to the “Resource Coordinator”, he/ she will call you back
- Mass E-Mail Notification
 - Once the “Resource Coordinator” gathers information he/ she will have the Call Center send out mass E-Mail/ Text Messages to Regions
- Ongoing calls from “Resource Coordinator”
 - Once resources are gathered “Resource Coordinator” will call you back with details and ask for updates



IPWMAN Response Teams Available

- Labor 1 – General labor, road closures, site security, sandbagging
- Labor 2 – Sign Installation, brush/ tree cutting, use of power and hand tools
- Pavement Clearing 1 – 6 yard dump truck and articulating loader w/ trailer
- Pavement Clearing 3 – 3 yard dump truck and skid steer w/ trailer
- Pavement Clearing 4 – Grapple truck
- Tree Removal – Bucket truck – minimum 35' reach
- Brush Clearing – 6 yard dump truck and tow behind “auto-feed” 12” chipper
- Pump Operations – 2 - 2” trash pumps w/ 20’ suction hose & 100’ discharge hose
- Vac-All Operations – Catch basin vacuum jet truck



IPWMAN Response Teams Available

- Heavy Transport 1 – 6 yard dump truck
- Heavy Transport 2 – Semi-tractor w/ 14 yard dump trailer
- Heavy Transport 3 – Flatbed trailer minimum 10 ton capacity
- Heavy Transport 4 – Low-boy trailer minimum 20 ton capacity
- Excavation 1 – 6 yard dump truck & backhoe loader
- Vehicle Maintenance – Service Truck
- Engineer/ Tech Group – Professional engineering services
- Sign Fabrication – Fabricate signs and deliver to affected areas
- Task Force Leader – Supervisors (foremen)
- Administrative Support – Assists with response and recovery operations (Command Staff)



Operations

- You will probably be met or called by a member of IPWMAN on site to assist with IPWMAN communications – Operations Plan
 - They will go over available teams, help you assess your incident, help you develop a recovery plan
- Staging area will be established
- Once IPWMAN resources show up they are at your disposal
 - IPWMAN command staff will be on hand to assist with resource management



Resources Come From All Over

- Local agencies tasked to the max
 - Multiple towns affected – local mutual aid not available
 - Local workers may be affected by the event
 - Local equipment may be damaged – LaSalle County Highway
 - Local work still needs to be completed – water shut offs, treatment plans, sign installation
- Regions are notified based on proximity of the event – they start at the local level, then to the region, then multiple regions, then to the entire state.
 - If needs are not filled by those regions more regions are notified
 - The entire state (including IDOT) can be notified if needed
- Responders travel a long way – Algonquin to Coal City, Hoffman Estates to Carterville



Field Management Team

- Group of folks deployed to manage the event with you – if requested
 - Experienced
 - Handled multiple previous events
 - Identified little red wagons from previous events
 - Familiar with IPWMAN Operations Plan
 - Familiar with available IPWMAN Deployment Teams and Equipment
 - Familiar with IEMA/ FEMA procedures and forms (reimbursement)
 - Non Biased
 - Don't know anyone from the area – no quick favors
 - Priority to most needed areas first
 - Your not the first line of dealing with the public



A few reminders....

- No community is too large or too small to need help in a disaster
- If you can provide one truck and one person – you can help
- When disasters strike, assistance may not be available locally or regionally
- IPWMAN is one of first organizations of its kind in the U. S.



**Not sure if your agency is a member?
For More Information
Membership Application**

Visit our web site
www.ipwman.org



Questions?



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Website:

www.ipwman.org