

WATER WASTEWATER AGENCY RESPONSE NETWORK

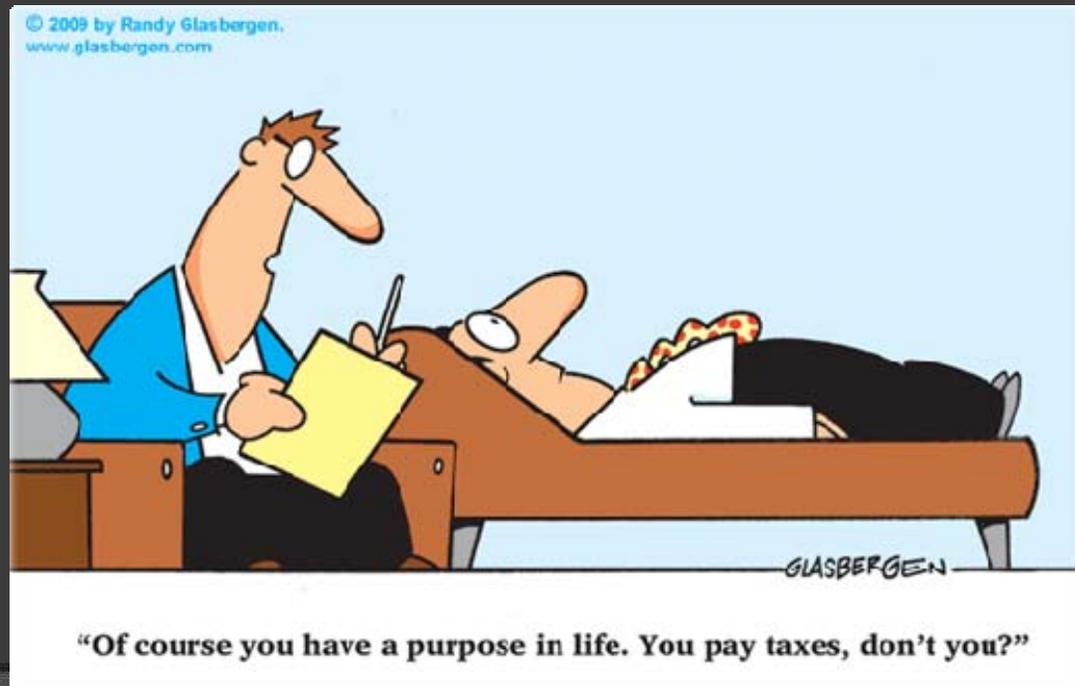


Christine Herndon
Herndon Solutions Group
MI-AWWA Security Summit
June 7, 2011



Objective

- Increase education among Michigan water/wastewater utilities on the Water Wastewater and Agency Response Network, both nationally and locally



Presentation Outline

- ⦿ How did we get here?
- ⦿ What is WARN?
- ⦿ How can WARN help me?
- ⦿ Does MI have a WARN?
- ⦿ How can I join WARN?

Presentation Outline

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Regulatory/Legislative Drivers

- ◎ Presidential Decision Directive 63
- ◎ Bioterrorism Act
- ◎ Patriot Act
- ◎ Homeland Security Act
- ◎ Critical Infrastructure Protection Act
- ◎ Intelligence Reform and Terrorism Prevention Act
- ◎ Chemical Facility Anti-Terrorism Act



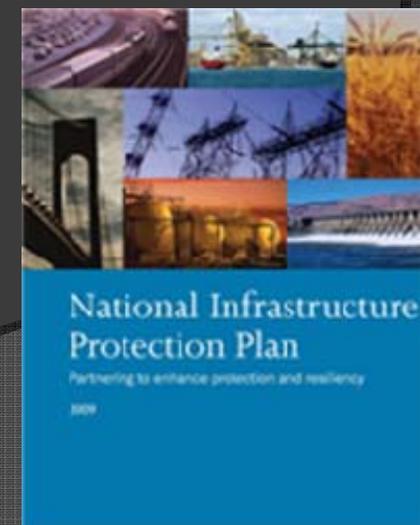
Homeland Security Presidential Directives

- HSPD-5: Management of Domestic Incidents (NIMS and NRP)
- HSPD-7: Critical Infrastructure Identification, Prioritization, and Protection (NIPP and SSPs)
- HSPD-8: National Preparedness
- NOTE: HSPD-3 recently replaced by the National Terrorism Advisory System (heightened, elevated, or imminent)



National Infrastructure Protection Plan (NIPP)

- ◎ The NIPP and supporting Sector Specific Plans (SSP) describe processes to do the following:
 - Set security goals
 - Identify assets, systems, networks, and functions
 - Assess risk (consequences, vulnerabilities, and threats)
 - Prioritize
 - Implement protective programs
 - Measure effectiveness



Water Sector Coordinating Council

- Provide policy input to DHS and EPA on water security issues
- Established in 2004
- Includes 8 water/wastewater organizations



SSP Goals

1. Sustain protection of public health and the environment.
2. Recognize and reduce risks in the water sector.
3. Maintain a resilient infrastructure.
4. Increase communication, outreach, and public confidence.

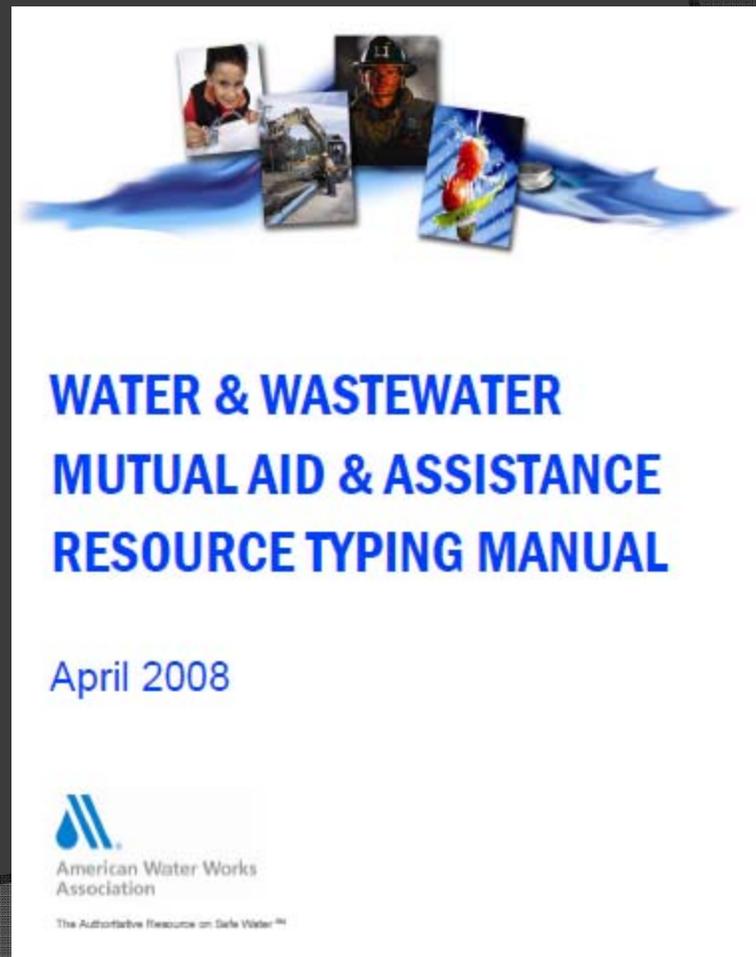


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Resiliency Initiatives

- ◎ Mutual Aid and Assistance (WARN)
- ◎ Resource Typing
- ◎ Emergency Water Supply (in process)
- ◎ Business Continuity Planning (in process)

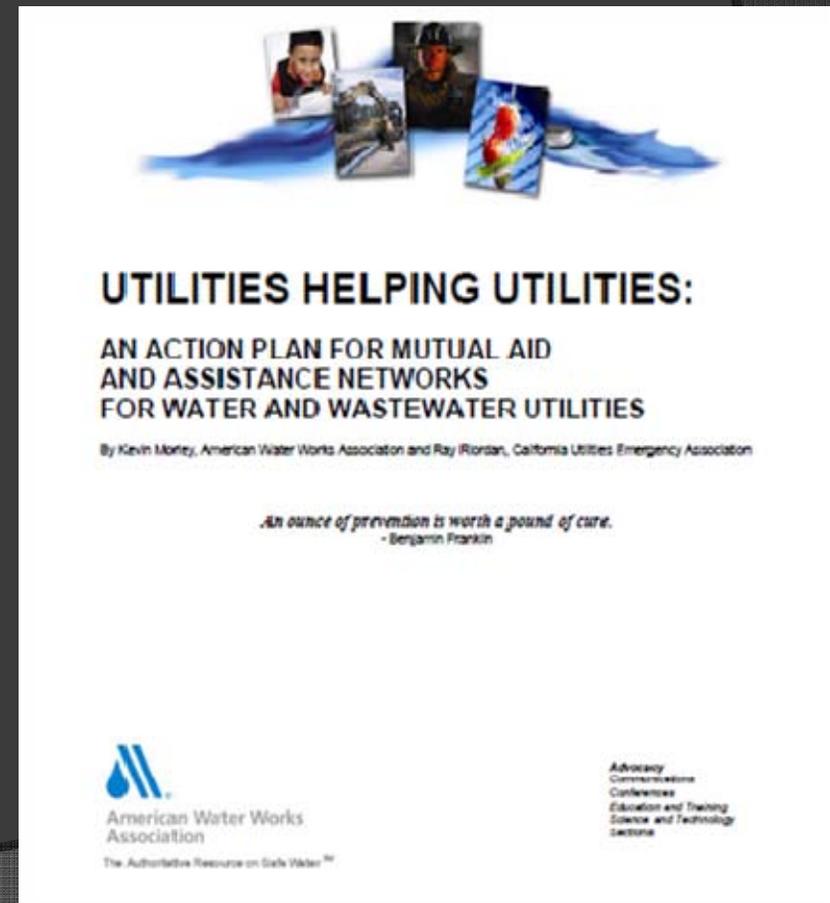


The WARN Basics

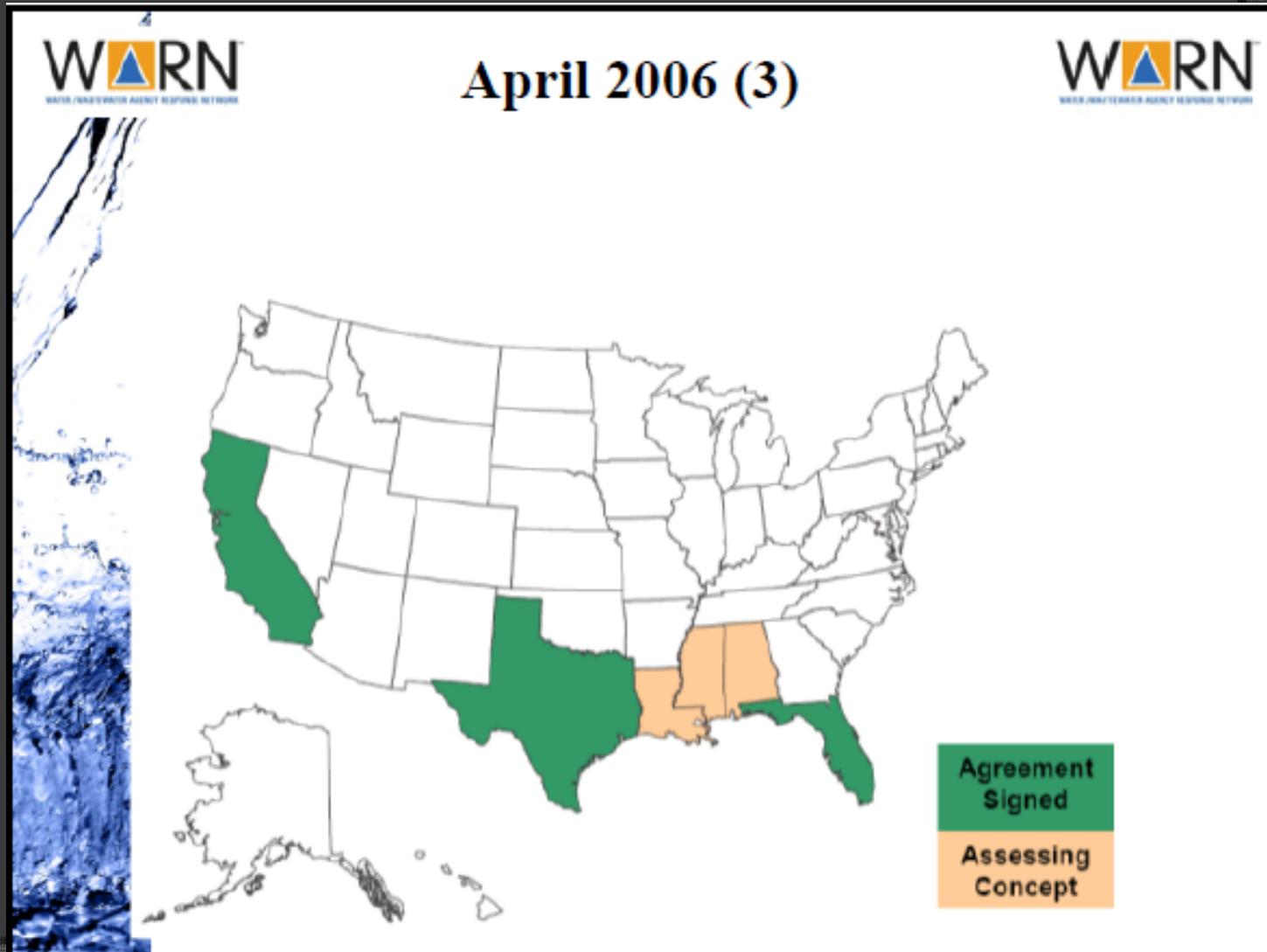
- ⦿ A network of utilities helping other utilities to respond to and recover from emergencies
- ⦿ Purpose of a WARN is to provide a method whereby water/wastewater utilities that have sustained or anticipate damages from natural or human-caused incidents can provide and receive emergency aid and assistance in the form of personnel, equipment, materials, and other associated services as necessary from other water/wastewater utilities

WARN Agreement

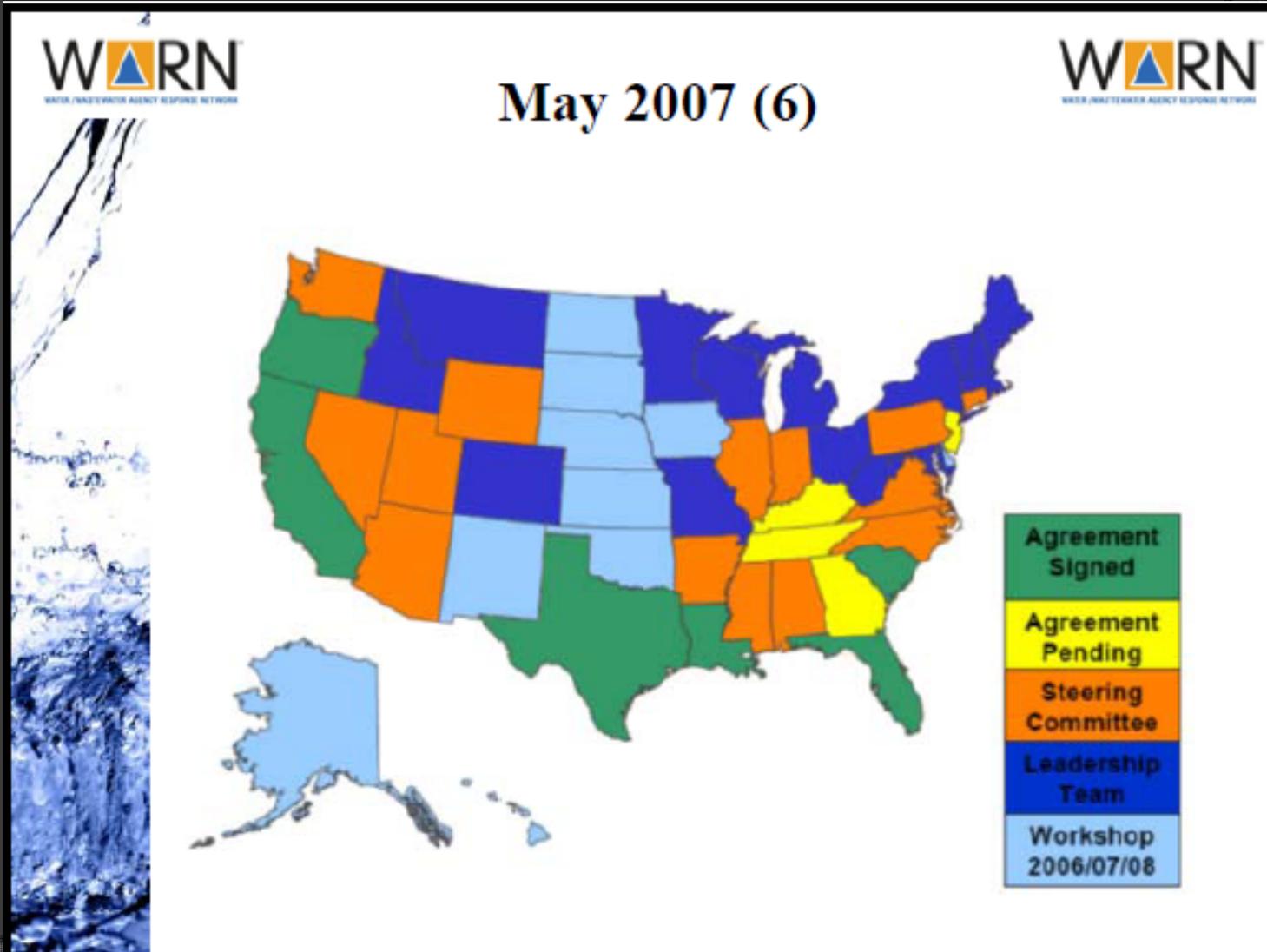
- ⦿ Voluntary
- ⦿ No obligation
- ⦿ No cost
- ⦿ Liability/workman's compensation
- ⦿ Reimbursement process
- ⦿ Element of NIMS
- ⦿ All-hazards



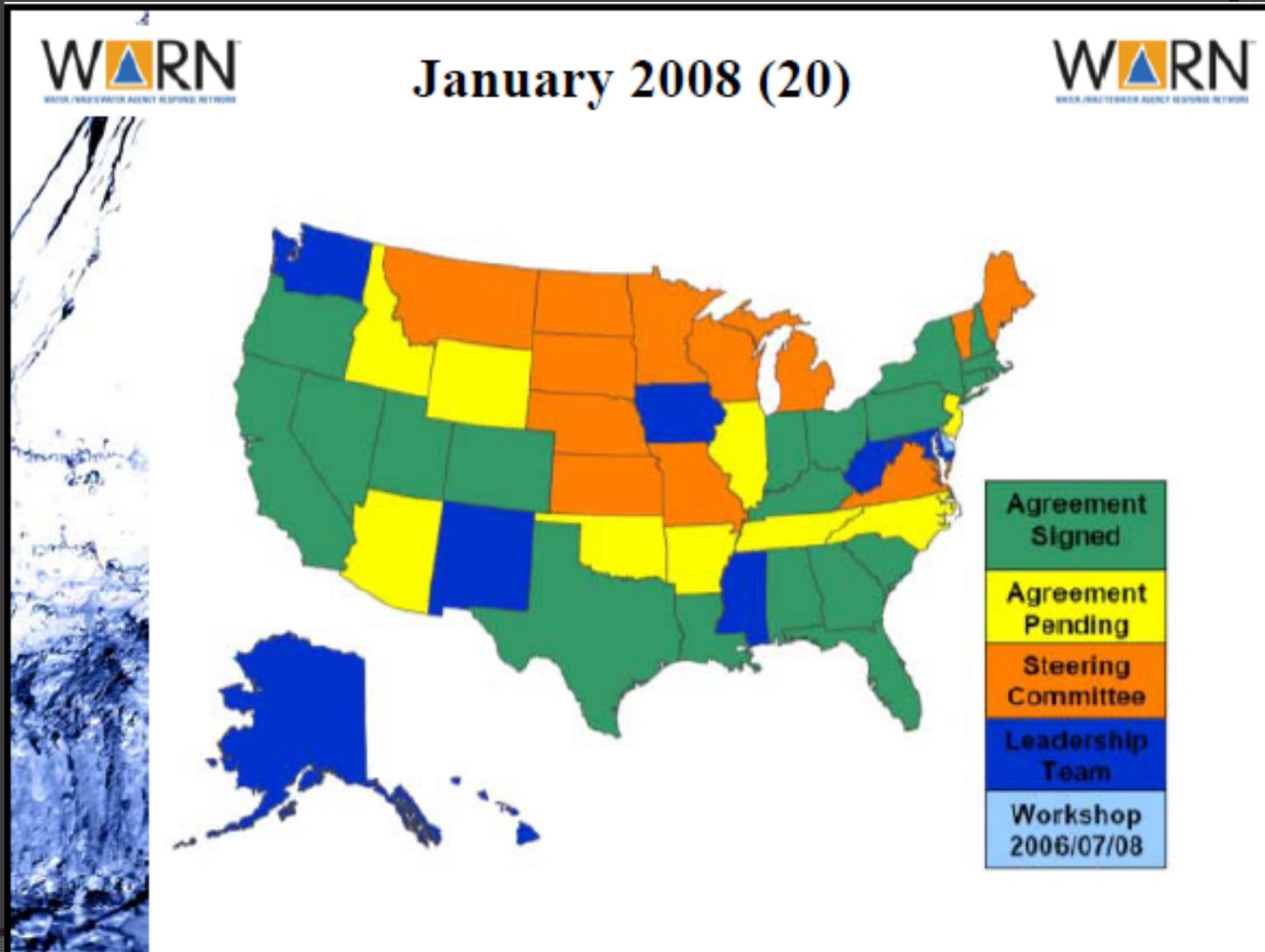
...the Progress



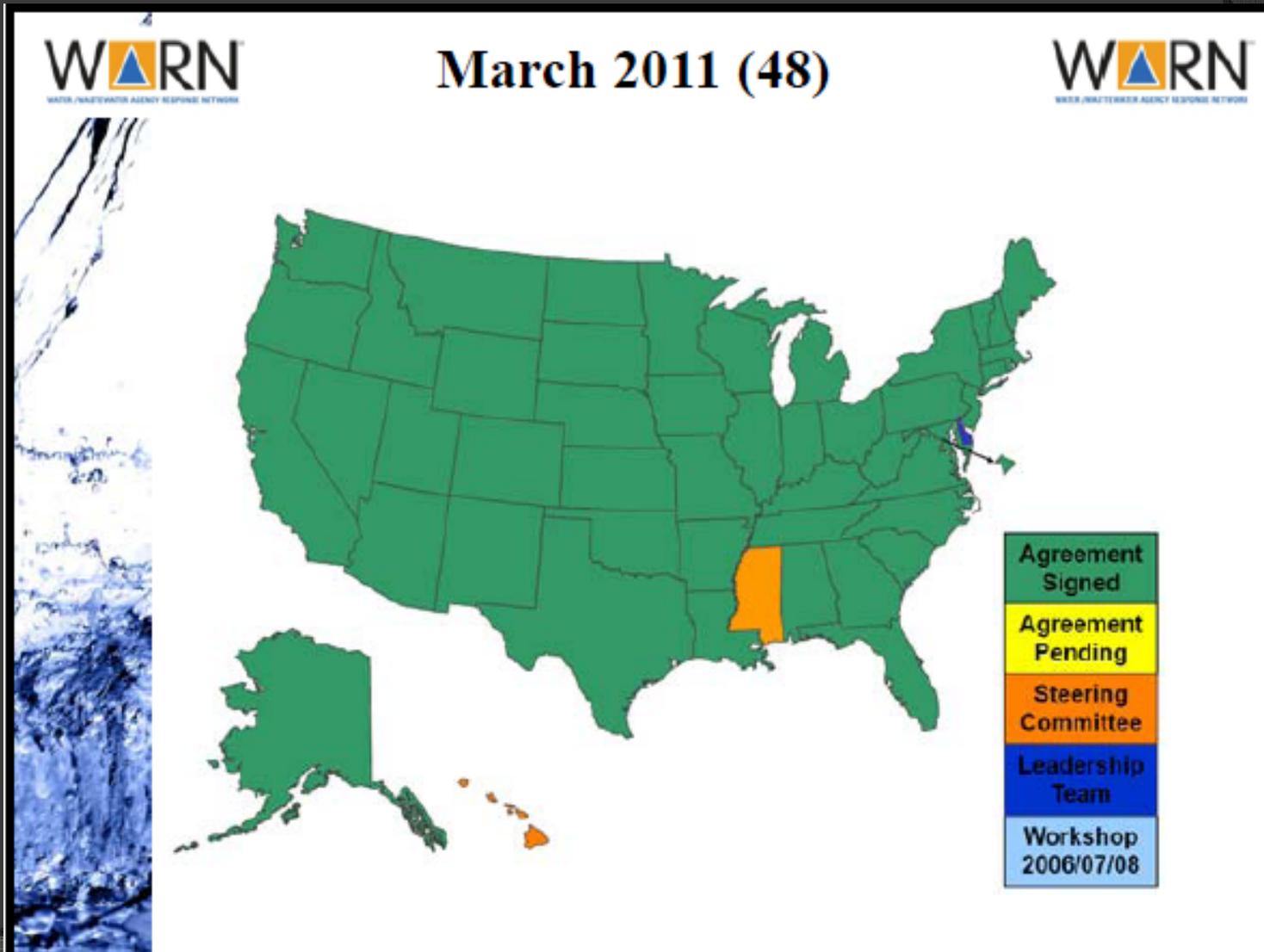
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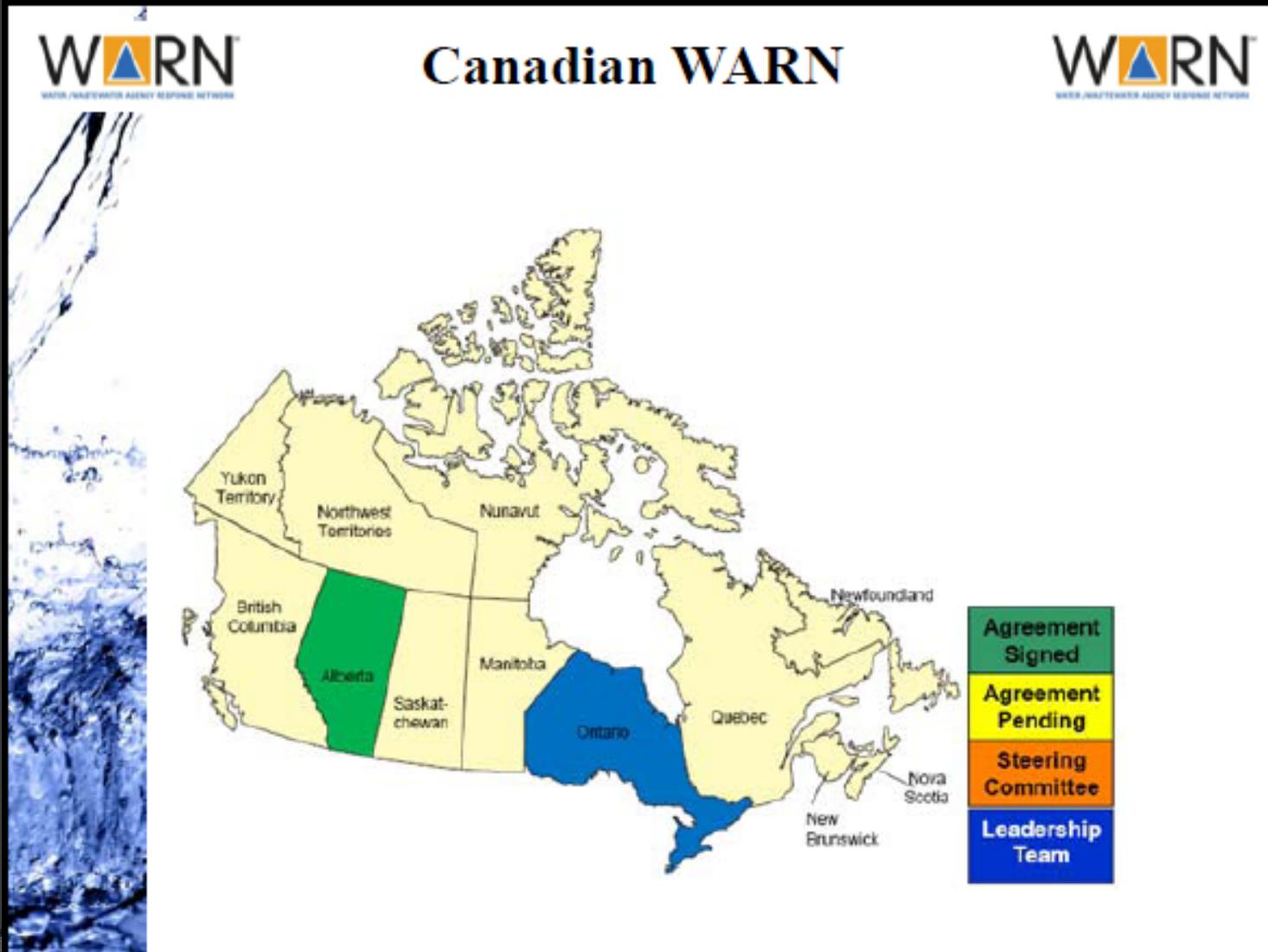
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...the Progress



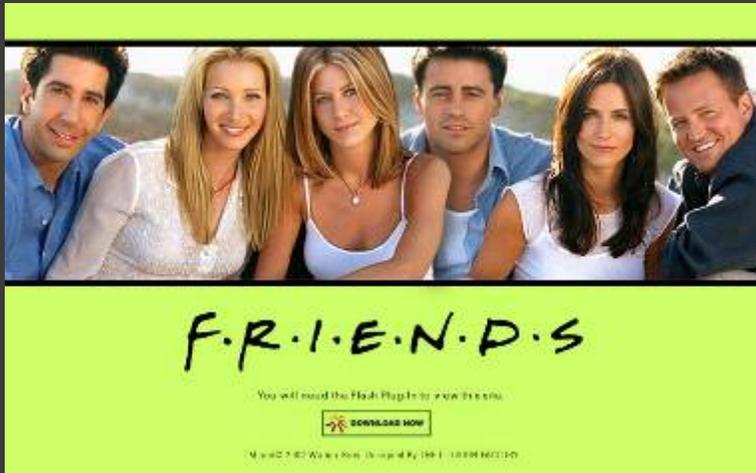
...the Progress



How can WARN help me?

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- ◎ How can I join WARN?

It's good to have friends...



...and



Benefits of WARN

- There is no cost to participate
- WARN is like investing in a no cost insurance policy to access resources when needed
- WARN increases emergency preparedness and coordination (supports G430 and G440)
- WARN enhances access to specialized resources
- WARN provides a single agreement to access resources statewide



Benefits of WARN

- WARN expedites arrival of aid (don't have to work out the administrative items; the agreements and WARN protocols work them out in advance for you)
- WARN agreement contains indemnification and worker's compensation provisions to protect participating utilities and provide reimbursement protocols



Participation

How Valuable is Participation in WARN?

Benefits from reduced revenue loss

High

The value of public confidence in the utility providing service

Priceless

Average cost of participating in WARN

Low

Bottom Line:

You can't afford not to participate!

Successful Uses...

- ◎ 2005 Hurricane Katrina, Rita and Wilma (FlaWARN)
- ◎ 2007 Southern California Wildfires (CalWARN)
- ◎ 2008 Detroit, Oregon Blizzard (ORWARN)
- ◎ 2008 Waterborne Salmonella outbreak Alamosa, CO (CoWARN)
- ◎ 2008 Hurricane Gustav (LaWARN)
- ◎ 2008 Hurricane Ike (TxWARN)
- ◎ 2009 Ice Storm (ARWARN, TNWARN, KYWARN)
- ◎ 2010 Baja California Earthquake (CalWARN)

NOTE!

- ⦿ Under no circumstances is a utility to send resources if it impacts their ability to manage daily operations or response to its own emergency
- ⦿ It is up to the lending utility to determine what resources to send
- ⦿ Resources remain under the authority of the sending utility, and as such can be recalled any time



Reimbursement...it happens

- ◎ It is important to understand how the FEMA programs work and understand how they apply to mutual aid/assistance in advance; Some key considerations for FEMA reimbursement include:
- ◎ The assistance is requested by the Applicant



FEMA

Reimbursement...it happens

- ◎ The work performed is directly related to the disaster and is otherwise eligible for FEMA assistance
- ◎ The entity can provide documentation of rates and payment for services, if requested
- ◎ The agreement is written and was in effect prior to the disaster



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MI-WARN Steering Committee

- ◎ Steering committee formed in March of 2007 consisting of large and small water and wastewater systems, MIAWWA, MWEA, MRWA, Michigan State Police, RCAP, consultants and MDEQ
- ◎ MIAPWA became involved in 2008
- ◎ Evolution of committee based on need, interest, expertise, business sector and region

Committee Members

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Sumedh Bahl

* Terry Biederman

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Joe Goergen

Christine Herndon

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MIAWWA Chair

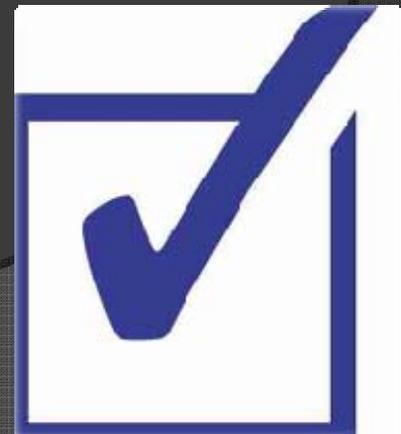
Committee Liaison

Outgoing Director

MWEA Liaison

WARN Components & MI Status

- ◎ Identify interest in starting a program-
COMPLETED
- ◎ Form an initial leadership team-
COMPLETED
- ◎ Prepare a kick-off session- COMPLETED
- ◎ Establish a steering committee-
COMPLETED
- ◎ Review use of state regions-
COMPLETED



WARN Components & MI Status

- ◎ Identify a mission for the program and steering committee goals- MAA being distributed and website deployed
- ◎ Identify mutual aid and assistance activation criteria- In Progress
- ◎ Executed MAA Agreements- Waterford Twp, Bloomfield Twp, City of Muskegon, City of Wyoming, City of Lansing, Southern Oakland Water Authority (SOCWA), City of Grand Rapids, City of Holland and Canton Township making Michigan the 35th WARN State

WARN Components & MI Status

- ⦿ Modularized training tools developed and scheduled to be implemented with new MIWARN website
- ⦿ MIWARN By-Laws adopted at February 8, 2011 meeting.
- ⦿ MIWARN website being deployed and hosted by MI-AWWA as part of initial deployment.
- ⦿ MIWARN Operations plan under development.

MI-WARN Website Status

Updated website being deployed and maintained by MI-AWWA. Continuing website funding provided by

MIAWWA, MWEA, MRWA, and MIAPWA

www.miwarn.org

The screenshot shows the MI-WARN website homepage. At the top, there is a blue header with the MI-WARN logo and the tagline "utilities helping utilities". Below the logo, it says "Michigan Water/Wastewater Agency Response Network". A navigation menu includes links for Home, Mutual Aid Agreement, MI-WARN Regions, Links/Downloads, and Contact. The date "Monday, June 06, 2011" is displayed on the left, and "Register | Login" is on the right. The main content area features a section titled "Active Emergencies" with the text: "There are no active emergencies at the moment! In an emergency, utilities may request assistance from other utilities by: 1. Logging onto the website, 2. Accessing the 'Request Emergency' subcategory through the 'Members' area on the navigation bar." Below this is a call to action: "Join the MI-WARN today to become a part of a statewide network of water and wastewater utilities for emergency response. Access to the 'Members Only' area will be provided following review of registration information." There is a button that says "Already a Member?". To the right of the text is a photograph of utility workers in orange safety gear working on a site with a large piece of machinery. Below the photo is the text: "Receiving from subscribers to service help protect your customers." At the bottom left, there is a "MI-WARN REGISTER TODAY!" button. At the bottom right, there is a section titled "What is a MI-WARN?" with a small introductory text.

MI-WARN Participation Interest

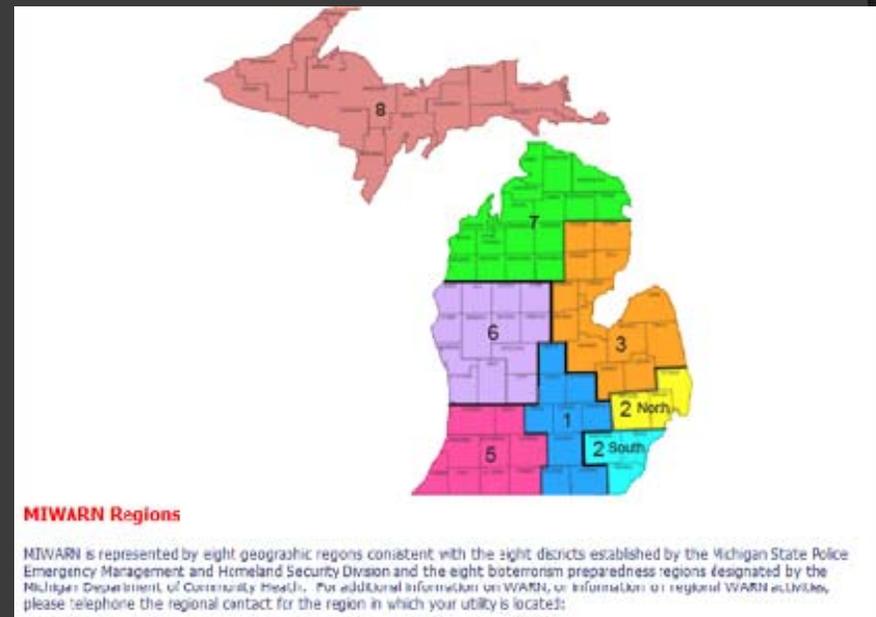
The MI-WARN steering committee developed a WARN informational flyer that was sent to all Tier 1 water utilities in Michigan in June of 2007. The flyer directed interested communities to register on the MRWA website.

To date, MRWA reports that over 40 communities have registered their interest to participate in a MI-WARN



MI-WARN Geographic Regions

- Geographic regions for MI-WARN have been established using the same regional breakdown as the Emergency Management and Homeland Security Division of the Michigan State Police



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MI-WARN Contact – Sign Up!

◎ Talk to Terry, Mike, Bob, anyone!



The screenshot shows the MI-WARN website's contact page. At the top, there is a blue header with the MI-WARN logo and the tagline "utilities helping utilities". Below the logo, the text "Michigan Water/Wastewater Agency Response Network" is displayed. A navigation menu includes links for Home, Mutual Aid Agreement, MIWARN Regions, Links/Downloads, and Contact. The date "Monday, June 06, 2011" is shown on the left, and "Register | Login" is on the right. The contact form includes fields for Email, Name, Subject, and Message. A Security Code section shows a yellow box with the code "RZZfY" and a prompt to enter the code in a box below. A "Send" button is at the bottom.

MI-WARN
utilities helping utilities
Michigan Water/Wastewater Agency Response Network

Home Mutual Aid Agreement MIWARN Regions Links/Downloads Contact

Monday, June 06, 2011 Register | Login

Email:

Name:

Subject:

Message:

Security Code
RZZfY
Enter the code shown above in the box below

Send

Questions???

