



Storm Response: 2011-2013 Lessons Learned-Next Steps Power Restoration


Ellen Blaschinski, R.S., M.B.A.
Public Health Branch Chief
Regulatory Services Branch

 Connecticut Department of Public Health
Keeping Connecticut Healthy 

Regulatory Services Branch

- Community-Based Regulation Section
- Drinking Water Section
- Environmental Health Section
- Local Health Administration 

Drinking Water Section Responsibilities

- Regulate 2,585 Public Water Systems
- Serve 2.7 million CT residents
- 96 systems serve over 1,000 people
- 4 systems serve over 100,000 people
- 461 systems serve under 1,000 people 

Storms, Responses, Exercises


Storm Irene - August, 2011
Winter Storm Alfred - October, 2011

Governor Malloy's Two Storm Panel
Final Report-January, 2012 


Super Storm Sandy - October, 2012


 **Storm Irene - August, 2011**

- Strong Tropical Storm
- Torrential Rain - 7+ in.
- Gusty Wind - 60 mph, Bridgeport
- Nearly 800,000 Residents Lost Power
- Power Restoration - 8+ days in some areas

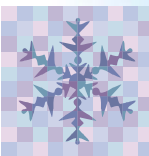

 **Community Water Systems Impacts**


- 99 % of CT residents retained their public water service
- Majority of large systems on shoreline lost street power; however maintained operations due to emergency generators
- 137 Small CWS on Boil Water Advisory (30%)
- Impacting 16,624 people




 **Storm Alfred - October, 2011**

- Nor'easter
- Heavy, wet snow, up to 2 feet
- Leaves Still Intact on Trees
- Nearly 880,000 residents lost power
- Power Restoration -10+ Days in Areas

 **Community Water System Impacts**

- 98% of CT residents retained their public water service
- Most CWS in northern half of CT lost street power; however maintained operations due to emergency generator power capacity
- 121 Small CWS on Boil Water Advisory (26%)
- 20,212 people impacted



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Governor Malloy's Two Storm Panel September, 2011-January, 2012

- STORM(State Team Organized for Review of Management)-Irene
- Following Alfred, expanded/renamed: Two Storm Panel
- Conducted 8 Days of Public Hearings/100 witnesses
- CT must do more to prevent, plan for and respond to emergencies and natural disasters
- More communication between town chief/emd/electric service provider-identify town restoration priorities
- Success of inter-agency, public-private Task Forces to be expanded.

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Storm Sandy - October, 2012

- Category 1 Hurricane/ Winter Storm
- High Wind - 85 mph (Madison)
- Shoreline Evacuation - Storm Surge
- Nearly 600,000 Residents Lost Power
- Power Restoration - 6+ days in some areas

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Community Water Systems Impacts


- 99 % of CT residents retained their public water service
- Majority of large systems on shoreline lost street power; maintained operations due to emergency generators-duration of power loss
- 109 Small CWS on Boil Water Advisory
- Impacting 14,740 people




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Community Water System Impacts – cont.


- Task Force - War Time v. Peace Time
- Priority Power Restoration - Not on the List
- Communication/Miscommunication Challenge - Remote site




 **Preparedness**


- ◆ CWS Ready to Maintain Operations in Emergency
- ◆ Meaningful Steps to Prioritize Power Restoration



 **Preparedness**



- ◆ CWS to work with Electric Service Provider-identification as priority customer
- ◆ Drinking Water State Revolving Fund-Small System Generator Funding
- ◆ DPH to work with DEMHS to identify CWS as part of State Priorities for Restoration
- ◆ WebEOC: CWS Board for Status Update
- ◆ CWS-Municipal communications
- ◆ CT DPH Draft Regulations Requiring Emergency Plans, Emergency Power Capacity, Emergency Notification
- ◆ EPA/FEMA Review of Generator Capacity/Needs



 **Questions?**

