



There are hundreds of resources available that are related to urban forests and disasters. In this session, I will identify and discuss, in some detail, the 7 or 8 most essential resources that communities should use for planning, response and recovery.

Slide 2

Presentation Definitions A short list of resources A noverview of each resource A detailed look at important elements Additional web resources A checklist of actions

I will begin with a short list of disaster definitions that are part of a larger document (see resources at the end of presentation) of FEMA disaster definitions.

For those of you just being introduced to disaster concepts, it is important that you study & understand the FEMA disaster vocabulary.

Slide 3

Essential Resources Pre-Disaster Urban forest management (Tree risk) Emergency preparedness Helping homeowners Post-Disaster Debris estimates Public relations

Resources fall into one or both of two major categories. Those that can assist communities before a disaster (i.e. planning & preparation stages), and those that are useful following a disaster (i.e. during response & recovery).



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Three important definitions. (see Combined Glossary of Disaster Terms (FEMA) at www.UrbanForestrySouth.org for others).

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The first resource for communities to use for planning and in pre-disaster stages is *Urban Tree Risk Management*.

I will give an overview of the major chapters and then look at components of Chapter 2, Planning & Design.

Although developed in the northeast, this manual is applicable throughout the east.

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Urban Tee Risk Management has 5 chapters.

The introduction covers general concepts of managing urban tree risk, a discussion of liability and risk, and the basic steps for creating a risk management plan.

Chapter 2 I'll cover in more detail.

Chapter 3 is a photographic section that provides instructions on assessing hazardous defects in trees.

Chapter 4 discusses urban tree management techniques that can help prevent hazardous situations.

And, Chapter 5 provides information on correcting hazardous situations.



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The Program Planning & Design chapter discusses a 10 step approach to urban tree risk management.

These begin with inventories of trees, management practices, and resources (financial, personnel, and equipment).

A program goal (e.g. reduce insurance claims for damage by 50% by FY 2009) strategies are developed.

Slide 8

Program Planning & Design <u>Ten Step Approach (con't)</u> Prioritize inspections & action Select a risk rating system Write comprehensive policy Implement a tree risk strategy Evaluate program effectiveness

The last 5 steps then move your community toward implementation of a formal urban tree risk management program that is evaluated over time and adjusted as necessary.

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Storms Over the Urban Forest Panning, Responding, and Regreening -Community Guide to Natural Disaster Relect Lisa J. Burban & John W. Andreson USDA Forest Service, St. Paul, MN University of Illinois, Champaign, IL • Overview • Tree Emergency Plan Worksheet

The second resource for discussion is *Storms Over the Urban Forest*.

This publication was written is 1994, following Hurricane Andrew, but still applicable.

Of particular importance is the (revised) worksheet.



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Tree Emergency Plan Worksheet

- Creating a Community Plan
- 1. Early Warning System

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- 2. Local Emergency Manager
- 3. Public Relations Coordinator
- 4. Planning & Response Team Members
- 5. Available Response Staff & Crews
- 6. Emergency Call Out Procedure

The Tree Emergency Plan Worksheet has 26 sections. Not all may be applicable in you community, but the process of identifying those that are and assembling the information will help you prepare for involvement in your local Emergency Operations Plan.

Major chapters in the *Storms* manual.

Slide 12

Tree Emergency Plan Worksheet

- Creating a Community Plan
- 7. Primary Transportation Corridors
- 8. Critical Power Corridors
- 9. Decision Making Responsibility
- 10. Tree Damage Clean-up Priorities
- 11. Debris Staging & Removal
- 12. Debris & brush Removal: Private

The Tree Emergency Plan Worksheet (sections 7-12).



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Tree Emergency Plan Worksheet

- Creating a Community Plan
- 13. Wood Utilization Opportunities 14. In-house Equipment Listing
- 15. Additional Equipment & Assistance
- 16. Staff & Crew Organization
- 17. Record Keeping Responsibility
- 18. Damage Assessment Responsibility

The Tree Emergency Plan Worksheet (sections 13-18).

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Tree Emergency Plan Worksheet

- Creating a Community Plan
- 19. Disaster Budget
- 20. Funding from Past Storms: History
- 21. Community Regreening Responsibility
- 22. Community & Neighborhood Groups
- 23. UF Management Plan
- 24. Tree Risk Management Plan

The Tree Emergency Plan Worksheet (sections 19-24).

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The Tree Emergency Plan Worksheet (sections 25-26).



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Based on years of research by Drs. Mary Duryea and Ed Gilman at the University of Florida.

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The *Storm Damage Assessment Protocol* is part of the i-Tree suite of software developed by the Forest Service.

This protocol can be use with or without a pre-disaster sample, and produced debris estimates & reports accepted by FEMA.

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The NADF's *Storm Recovery Kit* contains press releases and other post-disaster fact sheets suitable for residents and community leaders.



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A publication for pre-disaster use with property owners and residents was developed by the Alabama U&CF program.

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Making Our Urban Forests Safer

- Definitions
- Trees and Emergency Planning
- Alabama's Weather

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- Whose Trees: Public & Private
 Hazard Mitigation Team
- Urban Forestry & the Hazard Mitigation Plan

While some weather information is Alabama specific, most of the content can be used in any community to prepare people & trees for a disaster.

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This publication was funded by the Oklahoma U&CF program following 1999 tornadoes.



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Dis	asters & Tr	ees		
- T	ornadoes			
- H	ligh winds			
- H	lurricanes			
- F	loods			
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- L	ightening			

The pamphlet covers all types of storm damage common in Oklahoma.

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It looks specifically at the types of tree damage homeowners can expect to see. And, discusses assessment and maintenance that is appropriate.

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Major Internet resources.



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ι	Jrban Forestry Action Checklist
1.	Prepare a risk management plan • Tree assessments • Manage this risk
2.	Become part of your local Emergency Plan – Protect trees
3.	Provide homeowners information critical for a healthy urban forest
4.	Assess & protect remnant trees following a disaster
(F)	

When you leave this conference, I would urge you to use these (and other resources) to accomplish 3 tasks; and prepare for task 4.

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For additional information.



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