Slide 1



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 An overview 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

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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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Slide 4



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

Slide 5



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.

Slide 6

Urban Tree Risk Management

Introduction

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- Managing tree riskLiability & risk
- Developing a risk management plan
- Program Planning & Design
- Assessing Hazardous Defects
- Preventing Hazardous Defects
- Correcting Hazardous Defects

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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Slide 7



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

2: Program Planning & Design

- Ten Step Approach (con't)
- 6. Prioritize inspections & action
- 7. Select a risk rating system
- 8. Write comprehensive policy
- 9. Implement a tree risk strategy
- 10. 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.

Slide 9

Storms Over the Urban Forest

Planning, Responding, and Regreening – A Community Guide to Natural Disaster Relief Lisa I. Burban & John W. Andreson USDA Forest Service, St. Paul, MN University of Illinois, Champaign, IL • Overview • Tree Emergency Plan Worksheet

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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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Slide 10



Major chapters in the *Storms* manual.

lide 11

Tree Emergency Plan Worksheet

Creating a Community Plan

1. Early Warning System

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

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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.

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

Slide 14

Tree Emergency Plan Worksheet

Creating a Community Plan

19. Disaster Budget

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- 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).

Slide 15

Tree Emergency Plan Worksheet

Creating a Community Plan 25. Storm Damage Assessment

26. Contacts for Additional Assitance

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



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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.

Slide 17

NADF: Storm Recovery Kit

- Press Releases
- In the Wake of the Storm
- Can These Trees Be Saved
- Watch for Scams
- Tree First Aid
- Others Have Recovered Reducing Future Damage
- http://www.arborday.org/media/stormrecovery/

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

Slide 18



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





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Slide 19



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

Slide 20

Standing Tall

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Storm Damage & Your Tree Helping Homeowners Lessen Storm Damage To Their Trees Veronica Keithley, Staff Forester Cross Timbers Forestry, Tecumseh, OK

Also as "Trees After the Storm"

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

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



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Slide 22



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

Major Internet resources.

Slide 23



Slide 24

Urban Forestry Action Checklist

- 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

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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Slide 25



For additional information.



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