

Storm Damage to the Urban Forest - Resource List

Planning

Storms Over the Urban Forest: Planning, Responding, and Regreening--A Community Guide to Natural Disaster Relief

U.S. Forest Service, NA State and Private Forestry

This manual is intended to assist community leaders and governmental agencies to prepare for natural disasters, respond appropriately when these natural disasters occur, and recover from the subsequent loss of vegetation."

<http://na.fs.fed.us/spfo/pubs/uf/sotuf/sotuf.htm>

Urban Forestry Emergency Operations Planning Guide for Storm Response

Smart Trees Pacific

Section 1: provides urban forestry professionals concrete approaches when preparing for natural disasters that impact the urban forest.

Section 2: describes the process used to develop the guide and includes information about the survey, the interviews, the expert meeting and next steps.

<http://smarttreespacific.org/urban-forestry-emergency-operations-planning-guide/>

Community Forest Storm Mitigation Planning for Georgia Communities

Urban Forestry South

This Community Forest Storm Mitigation Planning Workbook and the accompanying Community Forest Storm Mitigation Plan Template are intended as tools for Georgia communities to use in assessing their community forest storm readiness, mitigating tree risk and reducing tree-related storm damage, and developing a community forest storm mitigation plan. The workbook guides you through basic framework for developing your Community Forest Storm Mitigation plan.

<http://www.urbanforestrysouth.org/resources/library/ttresources/community-forest-storm-mitigation-planning-for-georgia-communities/view>

<http://www.gatrees.org/community-forests/management/trees-storm-safety/>

Tree Emergency Manual for Public Officials

U.S. Forest Service, NA State and Private Forestry

<http://www.umass.edu/urbantree/TEM.pdf>

Tree Emergency Planning Worksheet

U.S. Forest Service, NA State and Private Forestry

<http://www.na.fs.fed.us/urban/inforesources/index.shtm#Care>

Response and Recovery

Vegetation Risk Management Plan Template

Urban Forestry South

The Vegetation Risk Management Plan (VRMP) is developed as a tool to help increase public safety after a storm event, maintain optimum urban tree canopy, promote tree health, provide for effective emergency and arboricultural management, and decrease emergency management costs.

Following this plan will decrease emergency management costs, reduce the likelihood of damage from trees, reduce tree debris, and reduce the overall impact of major storms on the urban forest. Trees and the debris accumulated from their destruction is the number one cost to emergency management. The VRMP is a proactive approach to identifying and mitigating trees that are in need of pruning, removal, or inspection. This plan will establish a schedule for areas that are most prone to limit or block access to critical infrastructure located on or associated with major transportation routes, including areas with the highest population.

<http://www.urbanforestrysouth.org/resources/library/ttresources/vegetation-risk-management-plan-template-with-attachment/view>

<http://www.urbanforestrysouth.org/resources/library/ttresources/vrmp-and-utri-links-for-documents-archived-webinars>

Storms Media Kit

National Arbor Day Foundations

<http://www.arborday.org/media/stormrecovery/>

i-Tree Storms (Damage Assessment Protocol)

U.S. Forest Service

The i-Tree Storms (Damage Assessment Protocol) Utility establishes a standard method to estimate tree damage immediately after a storm and provides information on the time and funds needed to mitigate storm damage.

<https://www.itreetools.org/storm/index.php>

1998 Ice Storm Publications

U.S. Forest Service, NA State and Private Forestry

After the 1998 ice storm, Forest Service Staff developed this website to provide information to aid in recovery in forest lands and urban forests. It has been updated to help with more recent ice storm events.

<http://na.fs.fed.us/fhp/ice/durham/pubs/publications.shtm>

Recycling Municipal Trees

U.S. Forest Service, NA State and Private Forestry

http://www.na.fs.fed.us/pubs/tps/recycle/recycling_trees.pdf

What To Do With Ice-Covered Trees

Michigan State University

http://msue.anr.msu.edu/news/what_to_do_with_ice-covered_trees

Storm Video

North Carolina

<http://www.youtube.com/watch?v=WiSzr4sLeI4>

Trees and Hurricanes

University of Florida

<http://hort.ifas.ufl.edu/treesandhurricanes/>

What To Do With Ice Storm-Damaged Trees

South Dakota State University

<http://igrow.org/up/resources/06-1001-2013.pdf>

Ice-Damaged Trees Resources

Oklahoma Forestry Services

<http://www.forestry.ok.gov/ice-storm-damage>

Remote Sensing Techniques for Rapid Assessment of Forest Damage Caused by Catastrophic Climatic Event

U.S. Forest Service, NA State and Private Forestry

http://www.na.fs.fed.us/pubs/misc/remote/remote_sensing_assessment.pdf

Trees and Storms

Purdue University

http://www.extension.purdue.edu/extmedia/FNR/FNR-FAQ-12-W.pdf?goback=%2Egde_4583322_member_255924314

Mitigation

Urban Tree Risk Management: A Community Guide to Program Design and Implementation

U.S. Forest Service, NA State and Private Forestry

An illustrated, easy to read training manual for community leaders, administrators, city foresters, parks and public works staff, and private tree care practitioners. The manual is designed to assist communities with the design, adoption and implementation of tree risk management programs, and train field staff to detect, assess, and correct hazardous defects in urban trees. A team of experts in urban forestry, plant pathology and forest health collaborated to produce this manual. Consulting arborists, city foresters, and educators provided extensive review to ensure the information applies to communities of varying sizes

and budgets. Examples of tree defects, risk rating systems, and species selection were chosen to depict tree species and conditions that occur in the Northeastern U.S."

<http://na.fs.fed.us/spfo/pubs/uf/utmmm/index.htm>

Trees and Ice Storms: The Development of Ice-storm Resistant Urban Tree Populations

University of Wisconsin-Stevens Point and University of Illinois at Urbana-Champaign

<http://na.fs.fed.us/urban/inforesources/TreesIceStorms2ed.pdf>

How to Prune Trees and Shrubs

U.S. Forest Service, NA State and Private Forestry

http://na.fs.fed.us/spfo/pubs/howtos/ht_prune/htprune-rev-2012-screen.pdf

General Information

Patterns of Storm Injury and Tree Response

U.S. Forest Service

http://www.na.fs.fed.us/pubs/tps/storm_injury/storms_tree_injuries.html

Storms over the Urban Forest Resource CD

Texas Division of Forestry

This CD has been used as a handout at workshops and contains about 60 publications on Storm response. I will get a supply duplicated this week.

Contact: jparry@fs.fed.us

Flooding and Its Effect on Trees

U.S. Forest Service, NA State and Private

Forestryhttp://na.fs.fed.us/spfo/pubs/n_resource/flood/cover.htm

Key Organizations and Websites

U.S. Forest Service Northeast Area

<http://www.na.fs.fed.us/>

Forest Health Program webpage

<http://www.na.fs.fed.us/fhp/index.shtm>

Urban Forestry Program webpage:

<http://www.na.fs.fed.us/urban>
click on Information resources on left

Urban Forestry Index (UFIND):

www.urbanforestryindex.net
(Use key words to find desired topics)

Urban Forestry South

<http://www.urbanforestrysouth.org/>
(Search on key word "storms")

Urban Forest Strike Team

<http://www.ufst.org/>

Your State Forester

www.stateforesters.org

Arbor Day Foundation

www.arborday.org

International Society of Arboriculture

www.isa-arbor.com or www.treesaregood.com

Society of Municipal Arborists

www.urban-forestry.com

Extension Disaster Education Network

<http://eden.lsu.edu/default.aspx>