

# Urban Forestry Emergency Operations Planning Toolkit Survey

## 1. Survey Introduction

The Friends of Hawaii's Urban Forest was awarded a 2009 Forest Service National Urban and Community Forestry Advisory Council (NUCFAC) Best Practices Grant to develop an Urban Forestry Emergency Operations Plan Toolkit for Storm Response.

This survey will obtain data on stakeholder needs and preferences which will guide the design of the "toolkit". Your identity is confidential and limited to the [NUCFAC Survey Team](#).

Additionally, the survey will help us:

1. Assist the team in answering the question "What are the features of an 'Urban Forestry Emergency Operations Planning Tool' that would be of value to you?"
2. Answer the question - "How to Prepare for a Storm?"

Any data that you provide that will be viewed or used by the survey team as a part of the toolkit creation effort. Any data viewed or used by other members of our collaborative effort will be made anonymous to protect your identity and the confidentiality of your answers.

The raw data collected from this survey will be used as input for focus groups and interviews with arborists, emergency managers, disaster planners, urban planners, and other related professionals who volunteer to participate. Further, your data will be used to create the toolkit and any subsequent planning assets.

Your identifying information will be used in a drawing for the survey reward, to ask additional questions, and to communicate with you any significant findings from the survey.

You are being asked to complete a total of 27 questions. The total time estimated to complete this survey (including the reading of this page) is between 15 and 20 minutes. This survey is divided into 8 sections. A progress bar is located at the top of each page to give you an idea of how close you are to completion.

The survey is open from March 14, 2011, and will be available for completion through April 14, 2011. If you have any questions, please contact Teresa Trueman-Madriaga at [ttruemad@gmail.com](mailto:ttruemad@gmail.com).

In order to progress through this survey, please use the following navigation links:

- Click the Next >> button to continue to the next page.
- Click the Previous >> button to return to the previous page.
- Click the Done >> button to complete your survey.

Let's begin!

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## 2. Background Experience

\* 1. Please tell us about your professional experience(s). For each row tell us how much experience you have in any of these categories.

	1-3 years	4-6 years	7-10 years	10+ years	None
Business Manager	jn	jn	jn	jn	jn
Consulting Arborist	jn	jn	jn	jn	jn
Emergency Manager	jn	jn	jn	jn	jn
Emergency Responder	jn	jn	jn	jn	jn
ISA Board Certified Master Arborist	jn	jn	jn	jn	jn
ISA Certified Arborist	jn	jn	jn	jn	jn
ISA Certified Tree Worker	jn	jn	jn	jn	jn
ISA Certified Utility Arborist	jn	jn	jn	jn	jn
Municipal Arborist	jn	jn	jn	jn	jn
Safety Manager	jn	jn	jn	jn	jn
Tree Company Owner/Manager/Supervisor	jn	jn	jn	jn	jn
Urban Forestry Manager	jn	jn	jn	jn	jn

Other / Additional Information (please specify)

\* 2. Please tell us about your primary job title and any additional job titles which you hold.

Primary Job Title

Secondary Job Title

Tertiary Job Title

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\* 3. In regards to your primary job and organization, which industry would most closely describe your organization and the scope of your organization? (Check all which apply)

- Public
- Private
- Commercial
- Electric Utility
- Other Utility
- Nonprofit
- Education/Research
- City government
- County government
- State government
- Federal government
- Local in scope
- State in scope
- Regional in scope
- National in scope
- International in scope
- Other

Other / Additional information (please specify)

\* 4. If you work for an electric utility which best describes the type of utility you work for?

- Electric Utility - Investor owned
- Electric Utility - Cooperative
- Electric Utility - Municipal
- Not Applicable

Other/Additional Information (please specify)

\* 5. If you work for an electric utility what percentage of your system customers are:

	0-25%	26-50%	51-75%	76-100%	Not Applicable
Urban	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rural	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other/Additional Information

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## 3. Experience in an actual storm event

Please tell us about the amount and type of experience you have in managing through actual storm events.

\* **6. Please identify the type(s) of storms that you have responded to in an emergency management capacity.**

Wind

Tornado

Snow

Flood

Ice

Fire

Hurricane

Not Applicable

Other (please specify)

\* **7. Please identify the shortest emergency storm event you worked on (in number of days of active restoration), and the longest emergency storm event you worked on (in number of days of active restoration).**

**Enter "0" if "Not Applicable"**

Shortest (in number of days)

Longest (in number of days)

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\* 8. For the emergency storm event(s) that you have responded to, what was your primary role?

	Primary	Additional	Not Applicable
Certified arborist	€	€	€
Certified arborist – storm responder	€	€	€
Certified arborist - utility arborist	€	€	€
Certified arborist - municipal arborist	€	€	€
Debris monitor	€	€	€
Debris removal	€	€	€
Incident Command System team leader	€	€	€
Incident Command System team member	€	€	€
Storm Response Team Leader	€	€	€
Tree crew leader	€	€	€
Tree worker	€	€	€

Other (please specify)

# Urban Forestry Emergency Operations Planning Toolkit Survey

## 4. Current assessment of disaster preparedness and emergency management capabi...

Our purpose in asking these questions is to gauge the existing disaster preparedness and response capabilities of organizations and individual professionals.

**\* 9. Please tell us if your organization has "plans in place" and/or "training in place" for each of the items listed. (Check all which apply)**

	Plans in place	Training in place	Nothing in place	Not Applicable
Pre-disaster planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community profile and hazard analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Key leadership and staff position descriptions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Process for collecting information about storms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Process for reporting and sharing information	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Roles for Administrative, financial and logistic personnel in storms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Training activities and exercises	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Current inventory of trees in your community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Post storm urban forest restoration plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris management plan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Tool to estimate the amount of vegetative debris	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris removal contracts in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Debris disposal options identified	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safety protocols in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mutual aid agreements in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incident Command System for storm response in place	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other / Additional Comments (please specify)

# Urban Forestry Emergency Operations Planning Toolkit Survey

**\* 10. What is your assessment of your organization's CURRENT STATE OF PREPAREDNESS for a emergency storm event for each of the items below.**

	Very Good Preparation	Good Preparation	Moderate Preparation	Poor Preparation	Very Poor Preparation	No Preparation	Not Applicable
Pre-disaster planning	jn	jn	jn	jn	jn	jn	jn
Community profile and hazard analysis	jn	jn	jn	jn	jn	jn	jn
Key leadership and staff position descriptions	jn	jn	jn	jn	jn	jn	jn
Process for collecting information about storms	jn	jn	jn	jn	jn	jn	jn
Process for reporting and sharing information	jn	jn	jn	jn	jn	jn	jn
Administrative, financial and logistic roles	jn	jn	jn	jn	jn	jn	jn
Training activities and exercises	jn	jn	jn	jn	jn	jn	jn
Current inventory of trees in your community	jn	jn	jn	jn	jn	jn	jn
Post storm urban forest restoration plan	jn	jn	jn	jn	jn	jn	jn
Debris management plan	jn	jn	jn	jn	jn	jn	jn
Tool to estimate the amount of vegetative debris	jn	jn	jn	jn	jn	jn	jn
Debris removal contracts in place	jn	jn	jn	jn	jn	jn	jn
Debris disposal options identified	jn	jn	jn	jn	jn	jn	jn
Safety protocols in place	jn	jn	jn	jn	jn	jn	jn
Mutual aid agreements in place	jn	jn	jn	jn	jn	jn	jn
Incident Command System for storm response in place	jn	jn	jn	jn	jn	jn	jn

Other / Additional Comments (please specify)

# Urban Forestry Emergency Operations Planning Toolkit Survey

\* **11. Please answer the following questions about Incident Command System (ICS) in your organization.**

	Yes	No	I don't know	Not Applicable
Does your organization have an ICS in place?	jn	jn	jn	jn
Is urban forestry a part of the ICS structure?	jn	jn	jn	jn
Is there an ICS in place for declared emergency events in the urban forest?	jn	jn	jn	jn
Are you trained in ICS?	jn	jn	jn	jn
Have you been part of an ICS team that responded to a disaster?	jn	jn	jn	jn

Other / Additional Comments (please specify)

  

\* **12. When an emergency storm event occurs, who are the first responders for urban trees in your area?**



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## 5. Existing collaborations

Identify any existing collaborations. For example: industry, government, not-for-profit, academic institutions, non-governmental organizations, individuals, and other entities.

★ **13. In regards to PREPAREDNESS, which partnerships or collaborations are most important to your organization as you plan?**

**Check all that apply.**

- |   |   |
|---|---|
| <input type="checkbox"/> Electric utility     | <input type="checkbox"/> Private company      |
| <input type="checkbox"/> Other utility        | <input type="checkbox"/> Not-for-profit       |
| <input type="checkbox"/> Municipal government | <input type="checkbox"/> Academic institution |
| <input type="checkbox"/> County government    | <input type="checkbox"/> Other                |
| <input type="checkbox"/> State government     | <input type="checkbox"/> NA                   |
| <input type="checkbox"/> Federal government   |   |

Other (please specify)

  

★ **14. In regards to RESPONSE, which partnerships or collaborations are most important to your organization after a storm? Check all that apply.**

- |   |   |
|---|---|
| <input type="checkbox"/> Electric utility     | <input type="checkbox"/> Private company      |
| <input type="checkbox"/> Other utility        | <input type="checkbox"/> Not-for-profit       |
| <input type="checkbox"/> Municipal government | <input type="checkbox"/> Academic institution |
| <input type="checkbox"/> County government    | <input type="checkbox"/> Other                |
| <input type="checkbox"/> State government     | <input type="checkbox"/> NA                   |
| <input type="checkbox"/> Federal government   |   |

Other (please specify)

# Urban Forestry Emergency Operations Planning Toolkit Survey

\* 15. In regards to RECOVERY, which partnerships or collaborations are most important to your organization during restoration?

**Check all that apply.**

Electric utility

Private company

Other utility

Not-for-profit

Municipal government

Academic institution

County government

Other

State government

NA

Federal government

Other (please specify)

	5
	6

# Urban Forestry Emergency Operations Planning Toolkit Survey

## 6. Planning Resources

\* **16. Please indicate your belief of the importance of each of the items below, which you would like to have in place, during an emergency storm event which impacts the urban forest.**

**"10" is most important; "1" is least important.**

	10	9	8	7	6	5	4	3	2	1
Best practices for tree care prior to a storm	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Pre-storm hazard analysis and vulnerable areas	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Key leadership and staff position descriptions and responsibilities	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Communication strategies for reporting and sharing information about a storm	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Incident Command System in place for the urban forest	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Defined storm support roles	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Procedures in place for allocating resources (staff, supplies, etc.)	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Current inventory of trees in your community	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Post storm urban forest restoration plan	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Vegetative debris plan	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Vegetative debris estimation tool	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Storm response safety protocols	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Mutual aid agreements	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Pre-storm vegetative debris removal contracts in place	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Secured logistical supplies such as housing, equipment, food, gas, water, etc.	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq
Adequate equipment to respond to a declared storm event.	jq	jq	jq	jq	jq	jq	jq	jq	jq	jq

Did we leave anything off of the above list? (please specify)

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## 7. Additional Information and Referrals

\* **17. Many of you have responded to a storm and have experience and knowledge that could be useful. Would you be willing to speak with us to provide more detailed input for the Urban Forestry Emergency Operations Planning Toolkit?**

Yes

No

Comment (please specify)

**18. (Optional) Are there others we should talk with? Please share with us the name and contact information of a colleague who's input may be valuable in creating the toolkit.**

Name:

Company:

Email Address:

Phone Number:

**19. (Optional) Please share with us any additional names and contact information of other persons who's input may be important in creating the toolkit.**

\* **20. Do you have any photos that you could share for use in the Urban Forestry Emergency Operations Planning Toolkit which demonstrates or illustrates storm training and/or response?**

Yes, please contact me.

No

Comment (please specify)

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**21. (Optional) You may already be using certain resources which you find useful for urban forestry storm preparedness (e.g. documents, templates, lists of processes, workshops, pamphlets).**

**Do you have any which should be included in the Urban Forestry Emergency Operations Planning Toolkit.**

Yes, please contact me.

No

Other / Additional Comments (please specify)

	5
	6

# Urban Forestry Emergency Operations Planning Toolkit Survey

## 8. Demographic Information - Survey Respondent

\* 22. Please tell us a little about who you are.

Name:

Primary Organization:

Address 1:

Address 2:

City/Town:

State/Province:

ZIP/Postal Code:

Country:

Email Address:

Phone Number:

\* 23. What is your highest level of formal education?

High School

Associates

Bachelors

Masters

Doctorate

Professional Certificate

Certification Program

Prefer not to answer

Other (please specify)

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## \* 24. Which, if any, of the following certifications do you hold?

- ISA Certified Arborist
- ISA Certified Tree Worker
- ISA Board Certified Master Arborist
- Registered Consulting Arborist
- ISA Certified Utility Arborist
- Certified Municipal Arborist
- Certified Emergency Manager
- Certified Business Continuity Professional
- Master Business Continuity Professional
- Associate Business Continuity Professional
- I don't hold any certifications at this time.

Other (please specify)

## \* 25. Volunteer participation is valued in support of our grant. And, the time that you have shared with us completing this survey is a volunteer effort.

**So that we may quantify a rough estimate on the value of your contribution, would you be willing to value, in terms of a range, your professional rate and benefits?**

- \$25 - \$50
- \$50 - \$75
- \$75 - \$100
- \$100 - \$150
- \$150 - \$250

Other (please specify)

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## \* 26. How did you hear about this survey?

- From a colleague
- From a website
- From Facebook
- From LinkedIn
- From a direct email

Other (please specify)

## \* 27. Thank you for taking the time for completing this survey.

**Did you find this survey to be a valuable use of your time?**

Yes

No

Additional Comments (please specify)