



# Achieve Sustainable Jersey Certification by Connecting the Dots

# Sustainable Jersey Supporters

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# Presenters

- Renee Haider, Associated Director, Sustainable Jersey
- Raymond J. Cywinski, Vice President, ANJEC and Mayor, Demarest
- Pam Zipse, Outreach Coordinator, Rutgers Urban Forestry Program of NJAES
- John Cowie, Trustee, Barnegat Fire Department
- Leo Vazquez, AICP/PP, Executive Director, The National Consortium for Creative Placemaking





Connecting the  
Dots - Achieving  
Sustainable Jersey  
Certification  
NJLOM  
Nov. 17, 2016



Ray Cywinski  
Mayor, Demarest  
(Bergen County)  
VP, ANJEC



# SUSTAINABILITY

- **“The ability to sustain” or, put another way, “the capacity to endure”.**
- **To transform businesses to respect environmental limits while fulfilling social wants and needs.**
- **New ways of doing business to “meet the needs of the present without compromising the ability of future generations to meet their own needs.”**
- **Managing for the long-term as well as the short-term.**
- **Sustainability needs to be about ‘greening’– because businesses and communities depend on healthy, productive ecosystems.**

# SUSTAINABILITY

**From SUSTAINABLE JERSEY Website:**

- ◆ **Few contest the benefits of clean air, fresh water, waterways filled with fish, garbage in its proper place, clean energy options, parks and open space and a healthy place to work and live. The big question is how do we achieve this as a state?**
- ◆ **Sustainable Jersey towns and cities implement practices that lead to cost savings in energy, water and garbage bills. The program helps communities improve efficiency, cut waste and stimulate their local economies.**
- ◆ **Residents increasingly want to live in towns that are doing their part for the environment. The Sustainable Jersey actions cover a wide range of topic areas focusing on people, prosperity and the planet. By becoming a Sustainable Jersey certified town, you align your municipality with your community's values while saving your resources as well as nature's.**

# Lead, Educate, Partner, Collaborate

- ◆ **Pets & Wildlife – Responsible ownership of pets; education on interaction wildlife/humans. - Department of Health, NJ Fish & Wildlife, NJ Audubon**
- ◆ **Arts & Culture – School art classes/clubs; local art schools; photography contest; scenic vistas in community.**
- ◆ **Construction waste management/recycling – Municipal construction office; developers; recycling coordinator.**
- ◆ **Bicycle/Pedestrian Friendly Initiatives – Schools; bicycle clubs; athletic association; ‘downtown’ businesses.**
- ◆ **Composting/Green Grounds Management – “Cut it and leave it”; backyard composting of leaves; integrated pest management; native shrubs and wildflowers vs. lawn.**



# Lead, Educate, Partner, Collaborate

**ENERGY – Audits, Electric Vehicle Charging Stations, Municipal Vehicles, Street Lighting, Anti-Idling, Walk to School Events, Shop Locally, Green Building Design, Safe Routes to Schools, Solar & Wind Ordinances**

- ◆ **Municipal departments (DPW, police, fire, ambulance, enforcement, administration.**
- ◆ **Schools, bus companies, businesses, parents, utility company, Board of Public Utilities, alternative energy suppliers.**
- ◆ **Education, Education, Education.**

# Lead, Educate, Partner, Collaborate

- ◆ **Shared Parking Facilities – Municipal property and businesses; places of worship and schools; shopping areas and municipal facilities.**
- ◆ **Recycling Center – Recycling/Waste Hauler; Businesses; NJ WasteWise;**
- ◆ **Green Fair – Regional Fairs with other Environmental Commissions, Green Teams and Businesses.**
- ◆ **Tree Protection Ordinance – Shade Tree Commission/Committee; Builders; Realtors.**

# Lead, Educate, Partner, Collaborate

Show Residents “What’s In It For Them”

- Resource Conservation
- Reducing Waste/Trash
- Community Involvement/Spirit
- Volunteerism/Community Service (Schools)
- Improved Community Aesthetics
- Increased Property Values
- \$\$\$Savings\$\$\$ - Personal and Taxes



Achieve Sustainable Jersey Certification  
by Connecting the Dots...

## Community Forestry Related Actions

Pam Zipse  
Outreach Coordinator  
Rutgers Urban Forestry Program of NJAES  
[pam.zipse@rutgers.edu](mailto:pam.zipse@rutgers.edu)  
[urbanforestry.rutgers.edu](http://urbanforestry.rutgers.edu)  
848-932-5078



- Outreach Coordinator for Rutgers Urban Forestry Program
  - Training Coordinator for NJ Urban & Community Forestry Program (NJUCF)
- NJ Urban & **Community Forestry Program** participation can directly relate to **Sustainable Jersey Actions** that add up to **60 points!**
- Indirectly, even more points...



# NJ Urban & Community Forestry

- The **NJUCF** works with **Shade Tree Commissions** and other Shade Tree program volunteers, along with municipal **Public Works Departments**, to *encourage and support the stewardship and effective management of trees and forest ecosystems in New Jersey communities.*



# NJ Urban & Community Forestry

- To receive and maintain accreditation (approved status) by the NJUCF, a local government must satisfy these requirements:
  - *Community Forestry Management Plan*
  - *Training & Education*
  - *Annual Accomplishment Report*
- A local government that has achieved accreditation (approved status) can then apply for points under the ***Natural Resources – Trees & Woodlands Management*** actions for Sustainable Jersey

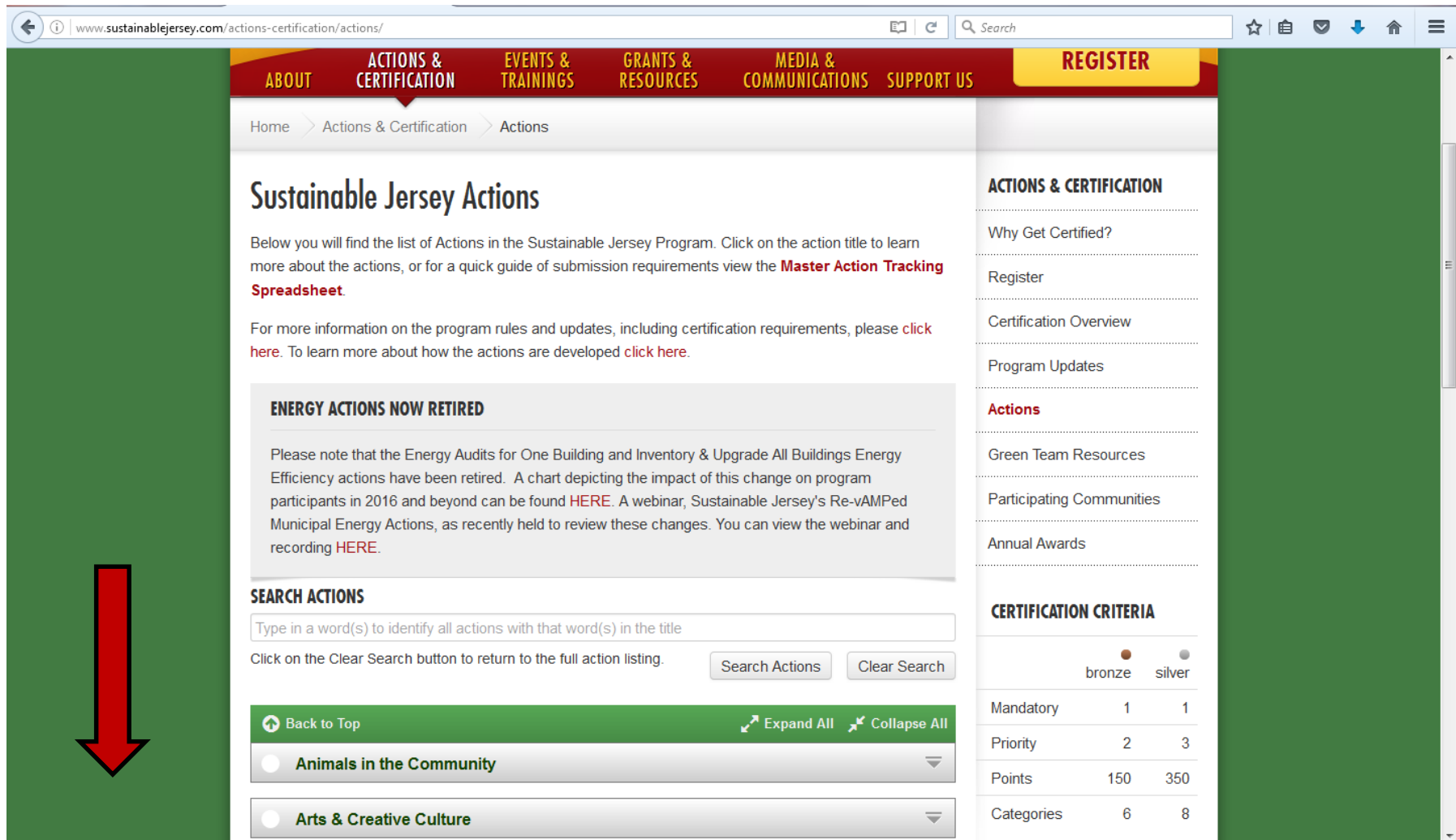


# Community Forestry Related Actions

The screenshot shows a web browser window with the URL [www.sustainablejersey.com/actions-certification/actions/](http://www.sustainablejersey.com/actions-certification/actions/). The page features a green and yellow header with the Sustainable Jersey logo and the tagline "A Better Tomorrow, One Community at a Time". The navigation menu includes "ABOUT", "ACTIONS & CERTIFICATION", "EVENTS & TRAININGS", "GRANTS & RESOURCES", "MEDIA & COMMUNICATIONS", "SUPPORT US", and "REGISTER". A red arrow points to the "ACTIONS & CERTIFICATION" menu item. Below the navigation, the page title is "Sustainable Jersey Actions". The main content area contains a paragraph: "Below you will find the list of Actions in the Sustainable Jersey Program. Click on the action title to learn more about the actions, or for a quick guide of submission requirements view the [Master Action Tracking Spreadsheet](#)." Below this is another paragraph: "For more information on the program rules and updates, including certification requirements, please [click here](#). To learn more about how the actions are developed [click here](#)." A section titled "ENERGY ACTIONS NOW RETIRED" contains a notice: "Please note that the Energy Audits for One Building and Inventory & Upgrade All Buildings Energy Efficiency actions have been retired. A chart depicting the impact of this change on program participants in 2016 and beyond can be found [HERE](#). A webinar, Sustainable Jersey's Re-vAMPed Municipal Energy Actions, as recently held to review these changes. You can view the webinar and recording [HERE](#)." The right sidebar contains a "ACTIONS & CERTIFICATION" menu with links: "Why Get Certified?", "Register", "Certification Overview", "Program Updates", "Actions", "Green Team Resources", "Participating Communities", and "Annual Awards". At the bottom, there is a "SEARCH ACTIONS" section and a "CERTIFICATION CRITERIA" section. The browser's taskbar at the bottom shows various application icons and the system clock displaying 12:10 PM on 11/11/2016.



# Community Forestry Related Actions



www.sustainablejersey.com/actions-certification/actions/

ABOUT ACTIONS & CERTIFICATION EVENTS & TRAININGS GRANTS & RESOURCES MEDIA & COMMUNICATIONS SUPPORT US REGISTER

Home > Actions & Certification > Actions

## Sustainable Jersey Actions

Below you will find the list of Actions in the Sustainable Jersey Program. Click on the action title to learn more about the actions, or for a quick guide of submission requirements view the [Master Action Tracking Spreadsheet](#).

For more information on the program rules and updates, including certification requirements, please [click here](#). To learn more about how the actions are developed [click here](#).

### ENERGY ACTIONS NOW RETIRED

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### SEARCH ACTIONS

Type in a word(s) to identify all actions with that word(s) in the title

Click on the Clear Search button to return to the full action listing.

Search Actions Clear Search

Back to Top Expand All Collapse All

- Animals in the Community
- Arts & Creative Culture

### ACTIONS & CERTIFICATION

- Why Get Certified?
- Register
- Certification Overview
- Program Updates
- Actions**
- Green Team Resources
- Participating Communities
- Annual Awards

### CERTIFICATION CRITERIA

	bronze	silver
Mandatory	1	1
Priority	2	3
Points	150	350
Categories	6	8

# Community Forestry Related Actions

www.sustainablejersey.com/actions-certification/actions/

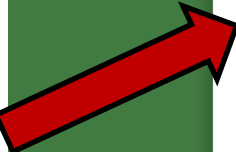
Back to Top Expand All Collapse All

- Tree Protection Ordinance**  
10 Points  
Submissions for this action do not expire  
Unplanned
- Tree & Woodlands Management**
- Community Forestry Plan and Tree Cover Goal**  
20 Points  
Competitive funding available  
Unplanned
- Tree Hazard Inventory**  
10 Points  
Competitive funding available  
Unplanned
- Tree Maintenance Programs**  
10 Points  
Competitive funding available  
Unplanned
- Tree Planting Programs**  
10 Points  
Competitive funding available  
Unplanned
- i-Tree Assessment of Municipal Trees**  
10 Points  
Competitive funding available  
Unplanned

**PLANNED ACTION TOTALS**

Mandatory	0/1
Priority	0/11
Total	0/1615
Categories	0/18
Actions	0/157

Mark actions as planned to determine whether or not your application would meet certification criteria.



# Community Forestry Related Actions

## Community Forestry Plan and Tree Cover Goal 20 Points

Who should lead and be involved with this action?

Timeframe

Project Costs and Resource Needs


Why is it important?


What to do, and how to do it

What to submit to get credit/ points

Spotlight: What NJ towns are doing

Resources

 Print Action Description

 Download PDF Version

*Formerly Community Forestry Plan and Canopy Goal*

Updated January 2014

**Note:** This action is a pre-requisite for the suite of Tree & Woodlands Management actions.

Communities throughout New Jersey have long recognized the importance of managing and protecting their street tree and woodlands resources. The goal of this Action is to help communities initiate or expand tree management programs by planning and assessing the existing community tree resources through the development of a Community Forestry Management Plan that meets the NJ Department of Environmental Protection's (DEP)'s Community Forestry Program standards according to the NJ Shade Tree and Community Forestry Assistance Act ("the CF Act"). Communities need to achieve "Approved Status" through the program by having a current approved Community Forestry Management Plan, and completing annual training requirements which include CORE training and 8 Continuing Education Credits, and submitting an Annual Accomplishment Report. Finally, communities will be asked to identify their current tree cover and to adopt a long-term policy to maintain or expand their tree coverage consistent with state and national recommendations.

To get 20 points, communities must be in "Approved Status" under the Community Forestry Act AND adopt a municipal Tree Cover Goal for the community.

# Community Forestry Related Actions

[NJ Home](#) | [Services A to Z](#) | [Departments/Agencies](#) | [FAQs](#)

Search



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## Information for Municipalities

[No Net Loss Reforestation Act](#)  
[Tree City USA](#)  
[Grant Opportunities](#)  
[Tree Management Tools](#)

## Champion Trees

## Tree Care

## Pests and Diseases

## Tree Professionals for Hire

## Treasure Our Trees Plate

## Arbor Day

## Benefits of Trees

## Approved Status Reports

[2016](#)

[2015](#)

## Links

[Community Forestry Assistance Act Guidelines](#)

[Annual Accomplishment Report Cover Sheet](#)

[Approved Status Flow Chart](#)

[CEU Sign-In Sheet Sampl](#)

[Recommended Consultants](#)

[New Jersey Shade Tree and Community Forestry Assistance Act](#)

[Public notice: New Jersey Community Forestry Council meeting schedule](#)



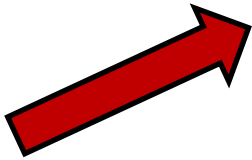
## New Jersey Shade Tree and Community Forestry Assistance Act

### Why was the New Jersey Shade Tree and Community Forestry Assistance Act passed?

In response to municipalities and counties disbanding their Shade Tree Commissions in the late 1990's due to fear of litigation as a result of hazardous tree situations, the New Jersey Shade Tree and Community Forestry Assistance Act was passed on December 5, 1996. By providing liability protection to participating municipalities and counties, the Act has ensured that Shade Tree Commissions are in place to provide more livable communities through the care and management of trees throughout New Jersey.

### What does the Act provide?

- **Liability Protection** - The Act enables a community to address tree related liability if they satisfy the four requirements for Approved Status under the Act. This includes writing a State approved Community Forestry Management Plan and participating in the State's Training Skills and Accreditation program.
- **Council** - The State's [Community Forestry Council](#) is comprised of 20 volunteers representing many groups involved with community forestry: arborists, tree growers, municipal/county governments, insurance companies, electric companies, etc. to advise the State Forester on community forestry issues.
- **Grants** - The [Green Communities Grant](#) helps a municipality or county hire a forestry consultant to assist them in writing a Community Forestry Management Plan. Then the [Community Stewardship Incentive Program \(CSIP\) Grant](#) is offered to communities who have Approved Status under the Act to implement goals and objectives directly from their management plan. The ["Treasure Our Trees" license](#)



# Community Forestry Related Actions

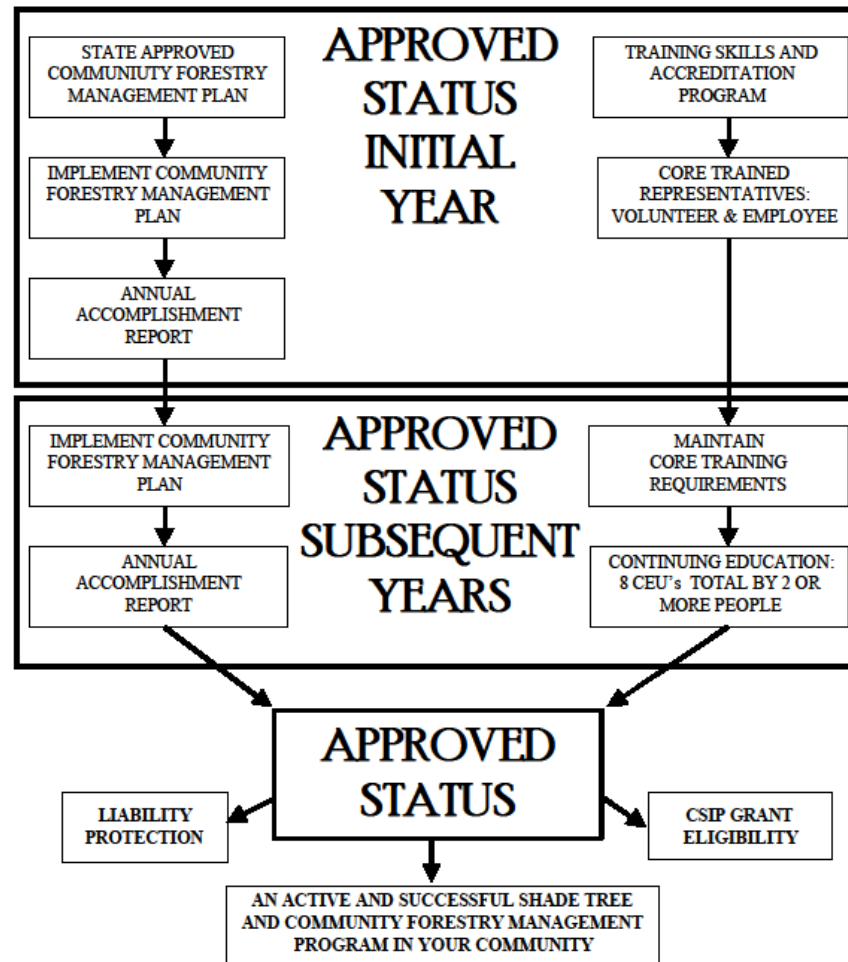
# **Community Forestry Program**

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Guidelines

# Community Forestry Related Actions

## NEW JERSEY SHADE TREE AND COMMUNITY FORESTRY ASSISTANCE ACT



# Community Forestry Related Actions

- Contact your Shade Tree Commission or Department of Public Works to see if your municipality is already accredited by the NJUCF.
- Or...
- Check the NJUCF Website...
  - [www.communityforestry.nj.gov](http://www.communityforestry.nj.gov)




# Community Forestry Related Actions

NJ Home | [Services A to Z](#) | [Departments/Agencies](#) | [FAQs](#)

Search All of NJ

STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

 NJ Forest Service


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**Information for Municipalities**

- [Champion Trees](#)
- [Tree Care](#)
- [Pests and Diseases](#)
- [Tree Professionals for Hire](#)
- [Treasure Our Trees Plate](#)
- [Arbor Day](#)
- [Benefits of Trees](#)

Subscribe to the Community Forestry Email List:

[Subscribe](#)



[2016 CSIP Grant Awards](#) [PDF 256 KB]

[2016 Community Forestry "Approved Status" Report](#) [PDF 4.43 MB]

[CEU and CORE Training Opportunities](#) [434 KB]

[Public notice: New Jersey Community Forestry Council meeting schedule](#)[PDF 65 KB]

\*The NJ Community Forestry Council meeting scheduled for August 11, 2016 has been cancelled\*

Contact DEP | [Privacy Notice](#) | [Legal Statement](#) | [Accessibility Statement](#)



# Community Forestry Related Actions

## Paramus Borough

### 2016 Community Forestry Status Report

Status is awarded by compliance with the four requirements of the New Jersey Shade Tree and Community Forestry Assistance Act (P.L. 1996, Chapter 135).

#### Approved Status:

NO

If the box says NO, please check the requirements below to see those that are missing.

To reach and maintain approved status, the community must stay up to date with these four requirements:

1. Community Forestry Management Plan
2. Core Trained Community Representatives
3. Continuing Education Credits
4. Annual Accomplishment Report

#### 1. COMMUNITY FORESTRY MANAGEMENT PLAN

A current approved Community Forestry Management Plan is required for Approved Status

Initial Management Plan Status	<input type="text" value="Approved"/>	Initial Management Plan Approved to start in	<input type="text" value="1999"/>
Second 5-year Management Plan Status	<input type="text" value="Approved"/>	Second Management Plan Approved to start in	<input type="text" value="2006"/>
Third 5-year Management Plan Status	<input type="text" value="Approved"/>	Third Management Plan Approved to start in	<input type="text" value="2011"/>
Fourth 5-year Management Plan Status	<input type="text" value="Approved"/>	Fourth Management Plan Approved to start in	<input type="text" value="2016"/>
ManagementPlanContactName	<input type="text" value="Kenneth Raschen"/>	Most Recent Plan Expires on December 31st of	<input type="text" value="2020"/>

#### 2. CORE TRAINED COMMUNITY REPRESENTATIVES

The Act requires each municipality/county have at least two CORE Trained individuals, one municipal employee and one community volunteer who must be currently active in the program. An elected official will qualify as either a municipal employee or a community volunteer.

Primary CORE Volunteer:  Primary CORE Municipal Employee:

# Community Forestry Related Actions

Fourth 5-year Management Plan Status  Fourth Management Plan Approved to stat in   
ManagementPlanContactName  Most Recent Plan Expires on December 31st of

## 2. CORE TRAINED COMMUNITY REPRESENTATIVES

The Act requires each municipality/county have at least two CORE Trained individuals, one municipal employee and one community volunteer who must be currently active in the program. An elected official will qualify as either a municipal employee or a community volunteer.

Primary CORE Volunteer  Primary CORE Municipal Employee

\*Additional CORE Trained Representatives are listed on Page #2 of this Status Report.

## 3. CONTINUING EDUCATION UNITS

At least two individuals representing your municipality/county must accrue a total of 8 Continuing Education Units (CEUs) annually to maintain Approved Status under the Act. Any individual can attain CEUs on behalf of your municipality/county, they do not have to be CORE trained. CORE Training does not count toward CEU credits.

2016 CEU Credits  Number of Individuals Who Have Acquired CEU Credits to date in 2016

\*Details about CEU's are listed on Page #2 of this Status Report

## 4. ANNUAL ACCOMPLISHMENT REPORT

An Annual Accomplishment Report details Community Forestry Management Plan implementation. An Annual Accomplishment Report and cover sheet developed in accordance with the community forestry program guidelines must be submitted by February 15th each year detailing the prior year's work.

Annual Accomplishment Report for 2016

State Forest Service | Department of Environmental Protection | State of NJ  
Contact: [Carrie.Sargeant@dep.nj.gov](mailto:Carrie.Sargeant@dep.nj.gov) 609.292.2532

This Status Report is up to date as of: June 8, 2016

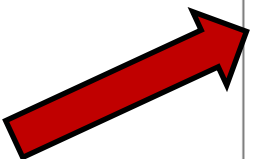
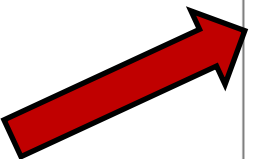
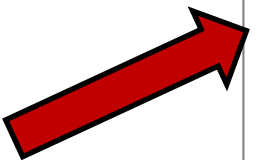
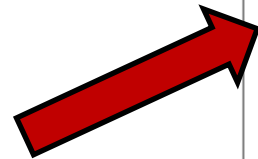
# Community Forestry Related Actions

- If your municipality is not already participating in these programs – now is a great time to start!



# Community Forestry Related Actions

Tree & Woodlands Management	
<b>i</b> <b>Community Forestry Plan and Tree Cover Goal</b> 20 Points ● Competitive funding available	Unplanned ▾
<b>i</b> <b>Tree Hazard Inventory</b> 10 Points ● Competitive funding available	Unplanned ▾
<b>i</b> <b>Tree Maintenance Programs</b> 10 Points ● Competitive funding available	Unplanned ▾
<b>i</b> <b>Tree Planting Programs</b> 10 Points ● Competitive funding available	Unplanned ▾
<b>i</b> <b>i-Tree Assessment of Municipal Trees</b> 10 Points ● Competitive funding available	Unplanned ▾



# Community Forestry Related Actions

- Grants!
  - *Green Communities Challenge Grant*
    - To help fund the development of a Community Forestry Management Plan
  - *Community Stewardship Incentive Program (CSIP) Grant*
    - To help fund the implementation of an approved Community Forestry Management Plan



# Community Forestry Related Actions

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

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**Information for Municipalities**

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- [No Net Loss Reforestation Act](#)
- [Tree City USA](#)

**Grant Opportunities**

- [Green Communities Grant](#)
- [Community Stewardship Incentive Program \(CSIP\) Grant](#)

**Grant Opportunities**



**Champion Trees**

**Tree Care**

**Pests and Diseases**

**Tree Professionals for Hire**

**Treasure Our Trees Plate**

**Arbor Day**

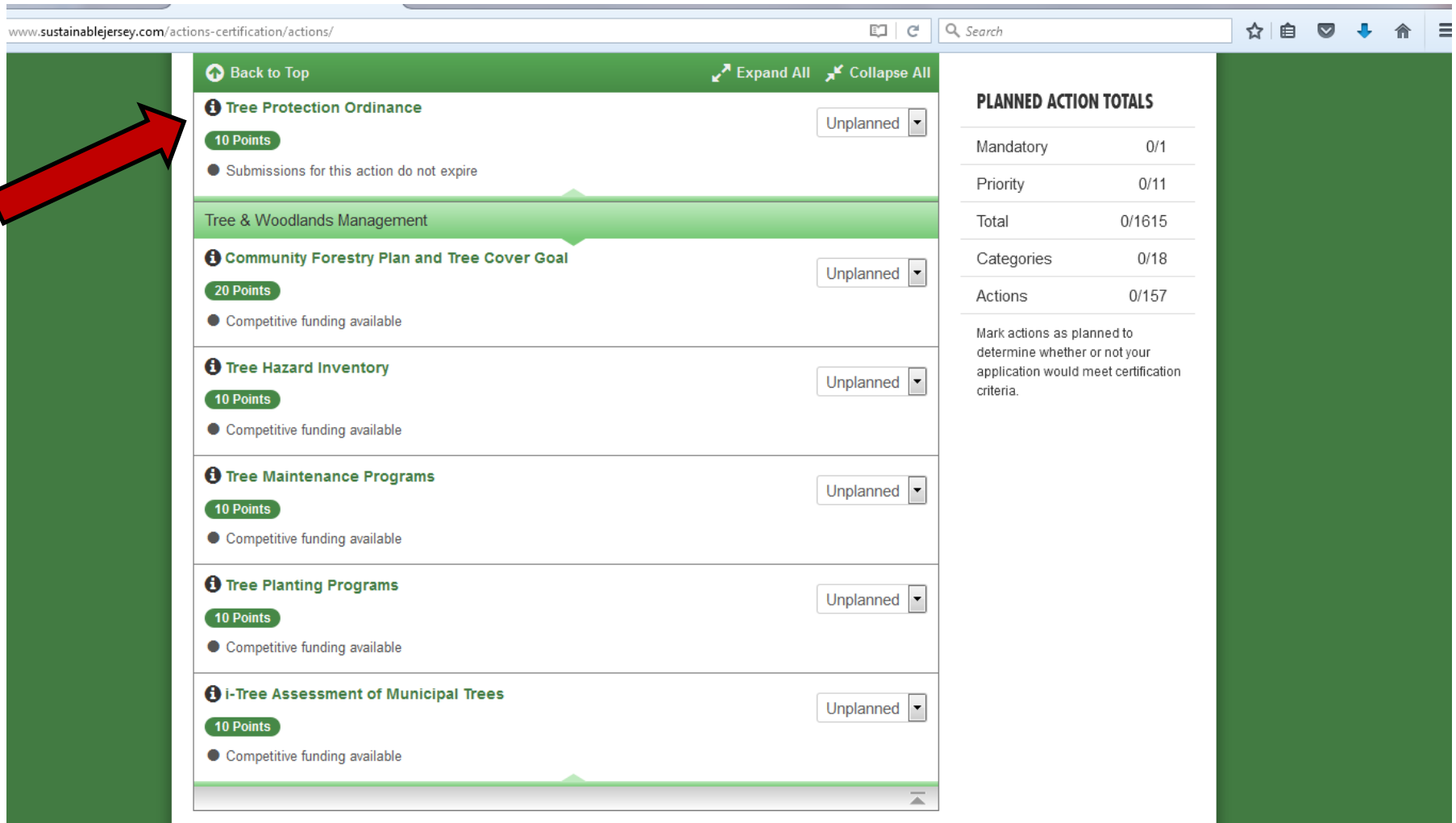
**Benefits of Trees**

# Community Forestry Related Actions

- If your municipality is already participating, look for more opportunities to gain points through Community Forestry Related Actions!



# Community Forestry Related Actions



www.sustainablejersey.com/actions-certification/actions/

Back to Top Expand All Collapse All

- Tree Protection Ordinance** (10 Points) Unplanned
  - Submissions for this action do not expire
- Tree & Woodlands Management**
- Community Forestry Plan and Tree Cover Goal** (20 Points) Unplanned
  - Competitive funding available
- Tree Hazard Inventory** (10 Points) Unplanned
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- Tree Planting Programs** (10 Points) Unplanned
  - Competitive funding available
- i-Tree Assessment of Municipal Trees** (10 Points) Unplanned
  - Competitive funding available

**PLANNED ACTION TOTALS**

Mandatory	0/1
Priority	0/11
Total	0/1615
Categories	0/18
Actions	0/157

Mark actions as planned to determine whether or not your application would meet certification criteria.



# Community Forestry Related Actions

www.sustainablejersey.com/actions-certification/actions/

Back to Top 10 Points Expand All Collapse All

**Community Partnership & Outreach**

- Create Green Team**  
10 Points ⚠️ Bronze Mandatory ⚠️ Silver Mandatory  
Competitive funding available  
Unplanned
- Community Education and Outreach**  
10 Points  
Competitive funding available  
Unplanned
- Education for Sustainability Programs**  
10 Points  
Unplanned
- Energy Education and Outreach**  
10 Points  
Unplanned
- Green Challenges & Community Programs**  
10 Points  
Unplanned
- School-based Energy Conservation Programs**  
10 Points  
Unplanned


Green Fairs

- Hold a Green Fair**  
10 Points  
Unplanned

**PLANNED ACTION TOTALS**

Mandatory	0/1
Priority	0/11
Total	0/1615
Categories	0/18
Actions	0/157

Mark actions as planned to determine whether or not your application would meet certification criteria.



# Community Education and Outreach

- There is an entire section dedicated to this in the Community Forestry Management Plan – look to see what your municipality is already doing.
- There is a need to provide education and outreach to your residents about Emerald Ash Borer (EAB)!

# Emerald Ash Borer

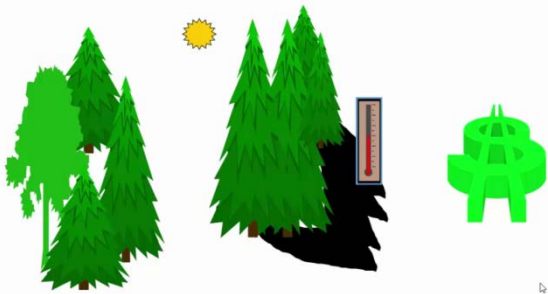


## NJ EAB Task Force



[www.emeraldashborer.nj.gov](http://www.emeraldashborer.nj.gov)

# i-Tree



Structure → Function → Benefits

Tree & Woodlands Management		
<b>i</b> Community Forestry Plan and Tree Cover Goal 20 Points ● Competitive funding available	←	Unplanned ▾
<b>i</b> Tree Hazard Inventory 10 Points ● Competitive funding available		Unplanned ▾
<b>i</b> Tree Maintenance Programs 10 Points ● Competitive funding available		Unplanned ▾
<b>i</b> Tree Planting Programs 10 Points ● Competitive funding available		Unplanned ▾
<b>i</b> i-Tree Assessment of Municipal Trees 10 Points ● Competitive funding available	←	Unplanned ▾

[www.itreetools.org](http://www.itreetools.org)



# i-Tree



i-Tree Tools

News

Resources

Support



## Landscape

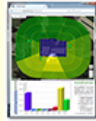
(web app)

Regional analyses of tree benefits in minutes for cities, counties, and more.

## Design

(web app)

Parcel level analysis for current and future tree benefits.



## Eco

(desktop app)

Our flagship i-Tree tool. Structure, Environmental Effects, & Value.

## Hydro

(desktop app)

Explore the effects of tree canopy on water quantity and quality.



## Canopy

(web app)

Quickly estimate tree canopy and benefits using

## What is i-Tree?

- Quantify structure, risk & environmental services of trees
- Advocacy and management tools for community trees
- Built upon peer-reviewed USFS science
- Free and easy to use

i-Tree is a state-of-the-art, peer-reviewed software suite from the USDA Forest Service that provides urban and rural forestry analysis and benefits assessment tools. The i-Tree Tools help communities of all sizes to strengthen their forest management and advocacy efforts by quantifying the structure of trees and forests, and the environmental services that trees provide.

Since the initial release of the i-Tree Tools in August 2006, thousands of communities, non-profit organizations, consultants, volunteers and students have used i-Tree to report on individual trees, parcels, neighborhoods, cities, and even entire states. By understanding the local, tangible ecosystem services that trees provide, i-Tree users can link forest management activities with environmental quality and community livability. Whether your interest is a single tree or an entire forest, i-Tree provides baseline data that you can use to demonstrate value and set priorities for more effective decision-making.

i-Tree Tools are in the public domain and are freely accessible. We invite you to explore this site to learn more about how i-Tree can make a difference in your



Cities turn a new leaf to count the ROI of trees

[Article appearing in Green Biz >>](#)

The importance of urban forests: why money really does grow on trees

[Article in The Guardian >>](#)

Benefits of Aberdeen's street trees demonstrated by student's survey

[A Baltimore Sun article >>](#)

The Science of Trees in Cities

[Municipal Equation Podcast episode and article >>](#)

View archived webinars or past presentations

[See archived presentations >>](#)

Submit feedback or share your i-Tree success stories

[Visit the Feedback Page >>](#)



# i-Tree



## Landscape

(web app)

Regional analyses of tree benefits in minutes for cities, counties, and more.

## Design

(web app)

Parcel level analysis for current and future tree benefits.



## Eco

(desktop app)

Our flagship i-Tree tool. Structure, Environmental Effects, & Value.



## Canopy

(web app)

Quickly estimate tree canopy and benefits using

i-Tree Tools

News

Resources

Support

All Applications

Utilities

**Desktop Suite:**

Download Page

i-Tree Eco

i-Tree Hydro

i-Tree Streets

i-Tree Vue

**Web Apps:**

i-Tree Canopy

i-Tree Design

i-Tree Landscape

i-Tree Database

## What is i-Tree?

Structure, risk & environmental services of trees and management tools for community trees  
Peer-reviewed USFS science  
Easy to use

State-of-the-art, peer-reviewed software suite from the USDA that provides urban and rural forestry analysis and assessment tools. The i-Tree Tools help communities of all sizes improve their forest management and advocacy efforts by understanding the structure of trees and forests, and the environmental services they provide.

Since the release of the i-Tree Tools in August 2006, thousands of communities, non-profit organizations, consultants, volunteers and students have used i-Tree to report on individual trees, parcels, neighborhoods, cities, and even entire states. By understanding the local, tangible ecosystem services that trees provide, i-Tree users can link forest management activities with environmental quality and community livability. Whether your interest is a single tree or an entire forest, i-Tree provides baseline data that you can use to demonstrate value and set priorities for more effective decision-making.

i-Tree Tools are in the public domain and are freely accessible. We invite you to explore this site to learn more about how i-Tree can make a difference in your community.



Cities turn a new leaf to count the ROI of trees  
[Article appearing in Green E](#)

The importance of urban forests, why money really does grow trees  
[Article in The Guardian >>](#)

Benefits of Aberdeen's street trees demonstrated by student survey  
[A Baltimore Sun article >>](#)

The Science of Trees in City Municipal Equation Podcast  
[episode and article >>](#)

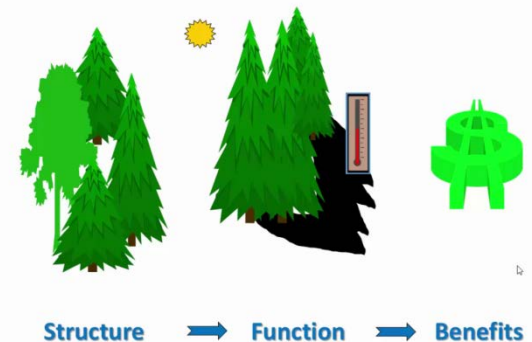
View archived webinars or presentations  
[See archived presentations](#)

Submit feedback or share your i-Tree success stories  
[Visit the Feedback Page >>](#)



# Community Forestry Related Actions

- ...but it's not about the points...
- *Trees and forests are valuable resources and worthy of investment.*
- *We plant and care for trees not just for ourselves, but for future generations.*
- *Trees turn cities into hometowns.*



# Community Forestry Related Actions

- New Jersey Urban & Community Forestry
  - [www.communityforestry.nj.gov](http://www.communityforestry.nj.gov)
- Rutgers Urban Forestry Program
  - [www.urbanforestry.rutgers.edu](http://www.urbanforestry.rutgers.edu)
- New Jersey Shade Tree Federation
  - [www.njstf.org](http://www.njstf.org)
- New Jersey Tree Foundation
  - [www.njtreefoundation.org](http://www.njtreefoundation.org)
- New Jersey EAB Task Force
  - [www.emeraldashborer.nj.gov](http://www.emeraldashborer.nj.gov)



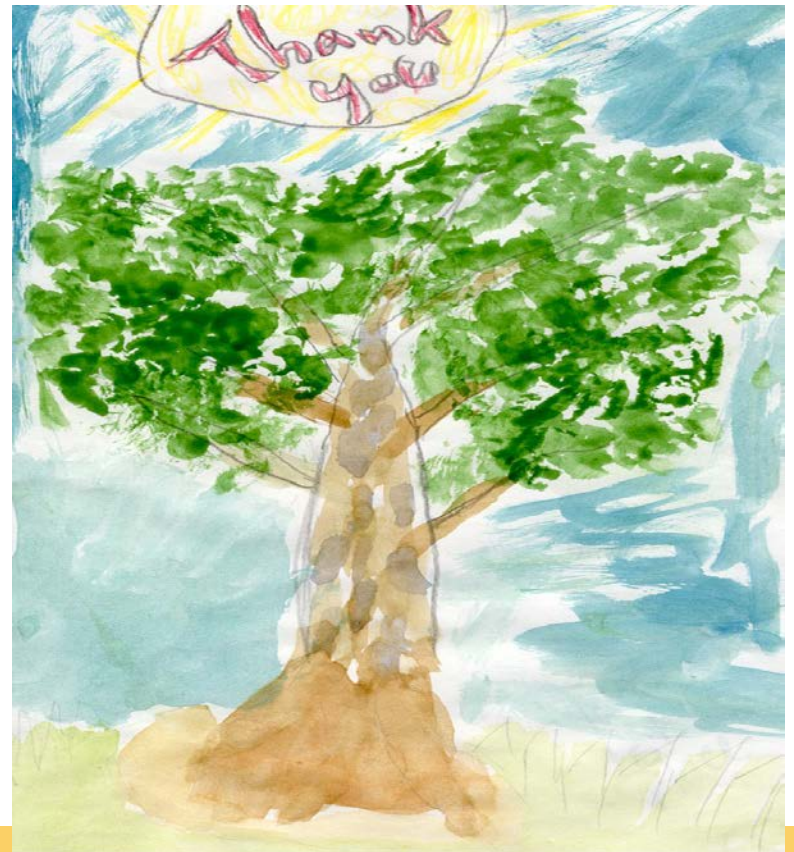




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Thank you!

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# Wildfire Resiliency Through Sustainable Jersey Actions



NJ League of Municipalities

Atlantic City, NJ

November , 2016

# New Jersey's Wildfire Preparedness Partnership



In Some Parts of New Jersey, it is not a Question of IF, It's a Question of WHEN....

# NJ is Home to Several Fire Dependent Ecosystems




## Degolia Wildfire

4/27/2014

Waterford Township,  
Camden County

907 acres

- 🔥 The NJ Pine Barrens encompasses 1.1 million acres of forest that has been shaped by fire for 10,000 years.
- 🔥 Pine Barren "outliers" extend North into; Spotswood, Helmetta and Old Bridge Township in Middlesex County.
- 🔥 Pine Barrens vegetation can be found in Freehold and Howell Townships in Monmouth County.
- 🔥 The Kittatinny Ridge in Warren and Sussex Counties contains fire-risk areas.



# How to Deal with Climate Change the Increased Wildfire Risk, and the Cost of Wildfire Suppression?

## The National Cohesive Fire Management Strategy

### 🔥 Restoring and Maintaining Resilient Landscapes

- 🔥 Recognition of the *lack of ecosystem health* within many of our forests and rangelands across the country and the need to address it.

### 🔥 Creating Fire-Adapted Communities (FAC)

- 🔥 Acknowledging the need to develop **options** and **opportunities** to engage communities to help them become more resistant to wildfire threat.

### 🔥 Effectively Responding to Wildfire

- 🔥 A critical component to ensure **all levels of government**, local, state, tribal and federal, work together when wildfire occurs.

# Sustainable Jersey Wildfire Resiliency Actions

Or... New Jersey's Way of Meeting the FAC Goal of the National Cohesive Strategy

## Community Wildfire Protection Plans (CWPPS)

Are designed to address wildfire preparedness at the Municipal level. **Funding available** through the NJFFS from grants provided by the US Forest Service.

## Ready-Set-Go!

Outreach and evacuation technical assistance through your local fire company. **Mentoring available.** National Sponsor is IAFC.

# Sustainable Jersey Wildfire Resiliency Actions

Or... *New Jersey's Way of Meeting the FAC Goal of the National Cohesive Strategy*

## Firewise Communities -

Community level technical and financial assistance to assist communities and homeowners to take personal responsibility to reduce risk and protect their property from wildfire. National Sponsor NFPA. Administered in NJ through NJFFS. **Funding available.**

# Sustainable Jersey Wildfire Resiliency Actions

Or... *New Jersey's Way of Meeting the FAC Goal of the National Cohesive Strategy*

## **Municipal Fire Safety Councils -**

Organization model similar to ANJEC and Municipal Environmental Commissions. Local Wildfire Safety Councils can receive wildfire training and financial assistance to better coordinate resiliency efforts and multiple funding opportunities. National Sponsor, Fire Adapted Communities and administered through the NJ Fire Safety Council.



# In Conclusion.....

🔥 Wildfire in NJ is a matter of **when** not **if** a major incident occurs.

🔥 There are multiple opportunities for Municipalities/Communities to obtain technical and financial assistance for wildfire preparedness.

🔥 The Wildfire Preparedness Partnership in NJ was developed to meet the Goals of the National Cohesive strategy and create resiliency in NJ's fire prone municipalities.



# ARTS AND CREATIVE CULTURE ACTIONS



Leonardo Vazquez, AICP/PP

The National Consortium for  
Creative Placemaking

Sustainable Jersey Arts and Creative  
Culture Task Force

## CREATIVE TEAM

Broad and diverse  
team to guide and  
monitor arts  
activities in the  
community





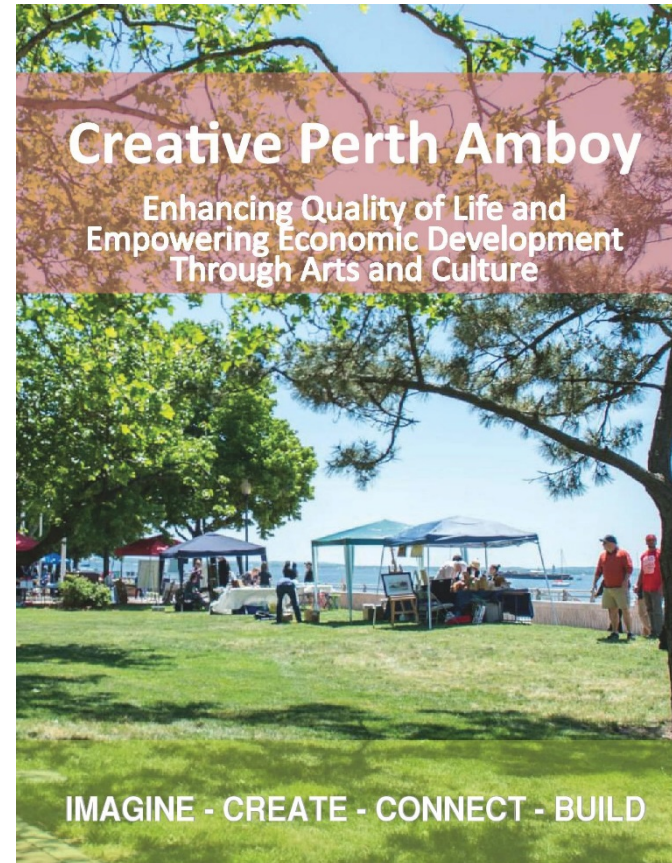
## UTILIZE YOUR CREATIVE ASSETS

Projects involving arts that are supported by the municipality and are designed to enhance community or economic development



# CREATIVE PLACEMAKING PLAN

Municipally-  
approved plan  
that connects  
arts and culture  
to community  
and economic  
development  
issues



# COMING IN 2017: COMMITMENTS TO SUPPORT ARTS AND CULTURE

Plans, policies and regulations that help support the growth of arts, or makes the community more welcoming to creative people.

To be published in  
January 2017

