

State Forestry Perspective: Trunk, Branches, Twigs and Roots



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Phoenix; 21 November 2013

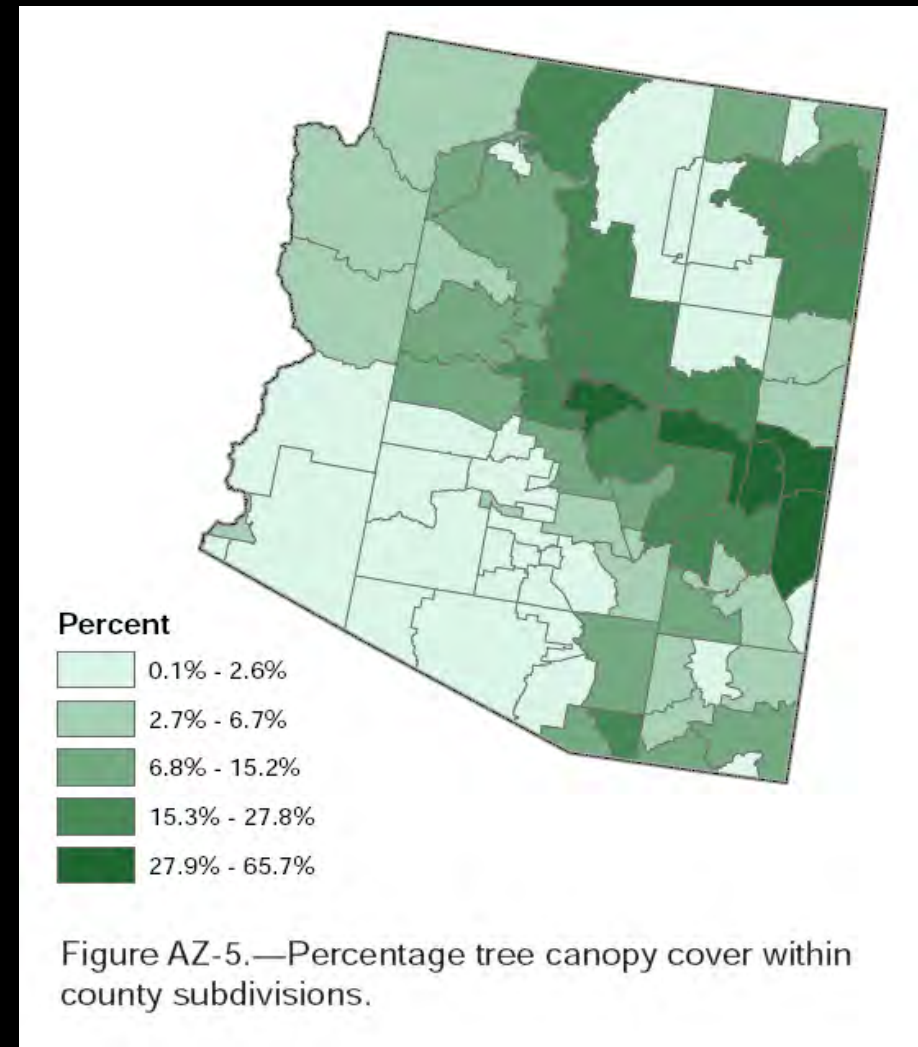
Trunk, Branches, Twigs and Roots

- **Trunk**
 - ***Community and Leadership support***
- **Branches**
 - ***Established Programs***
- **Twigs**
 - ***New ideas, New direction and Fresh Growth***
- **Roots**
 - ***Tapping into Resources... finding funding and partnerships***

Urban Forest Resource Inventory

Need

- AZ lacks comprehensive urban forest inventory
 - Impedes statewide goals and strategies
- Forest Service grant
 - Total Proj Budget: \$721K
- 3-year project



Urban Forest Resource Inventory

Goal

- Develop statewide database of existing urban forest inventories
 - Tell a statewide story
 - Use for comparison among AZ cities
 - Use for obtaining support from leadership (financial and otherwise)
 - *Informed Management*



Urban Forest Resource Inventory

Approach

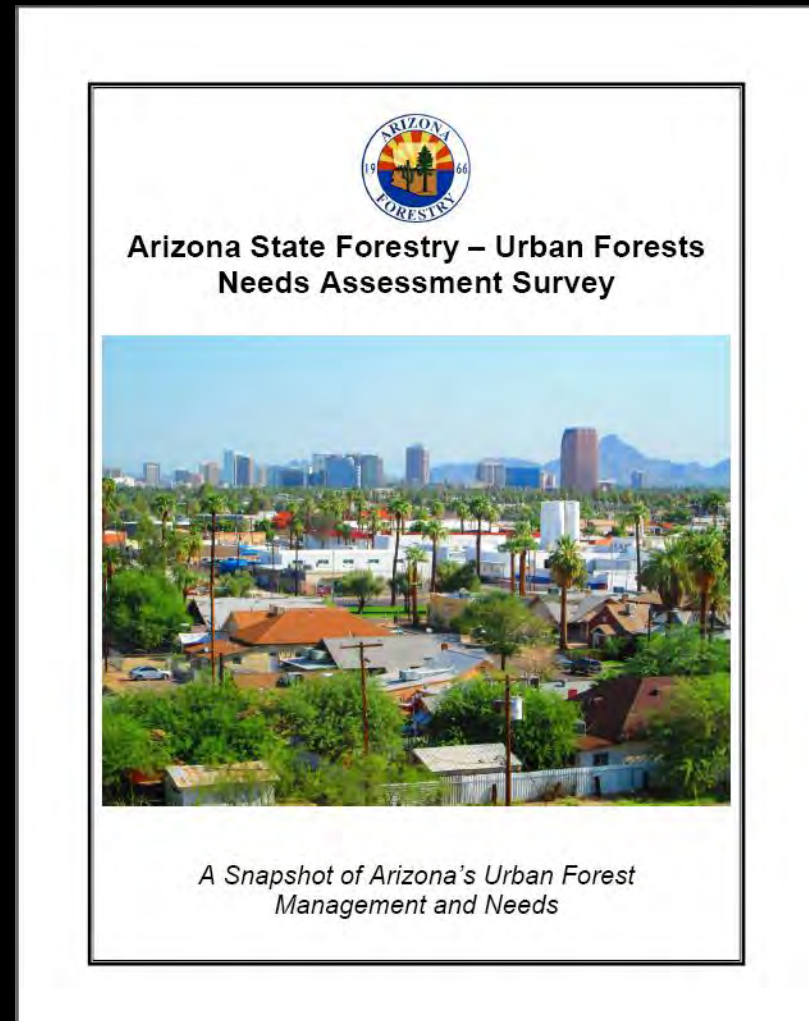
1. Compile existing information
2. Tool development
3. Pilot communities
4. Sustainability... TBD



Urban Forest Resource Inventory

Needs Assessment

- Partners
 - Various Communities Statewide
- Purpose
 - Identify existing urban tree inventories
 - Identify gaps in services and future programmatic direction
- Methodology
 - Computer-based survey
 - Telephone-based survey



Urban Forest Resource Inventory

Key Findings

- Community Resources
 - Most have 0-5 forestry staff (69%)
 - Free trees are available in 26% of AZ communities
- Urban Tree Inventories
 - 30% of AZ communities
 - 40% are updated annually
 - 30% still manually collect and manage information on paper (no computer)



Urban Forest Resource Inventory

Tool Development

- i-Tree Streets is base
- Web portal
- Statewide inventory database
- Tree Guide
- Urban Forest Health Manual
 - Common insects and diseases



Urban Forest Resource Inventory

Pilot Communities

- Bisbee
- Lake Havasu City
- Mesa
- Oracle State Park
- Pinetop-Lakeside
- + others (TBD)

➤ *Pilots begin:
Spring 2014*



***Finding the funding to
get you there...***

Roots are the Pathway Forward



As you seek new opportunity, keep in mind that the sun does not usually reappear on the horizon where it was last seen.

~Robert Brault

GI: Funding Resources



Funding Options

- Stormwater fees
- Loan programs

Private

- Foundations
- Local philanthropists
- Donors

Public

- Federal
- State

GI: Funding Resources

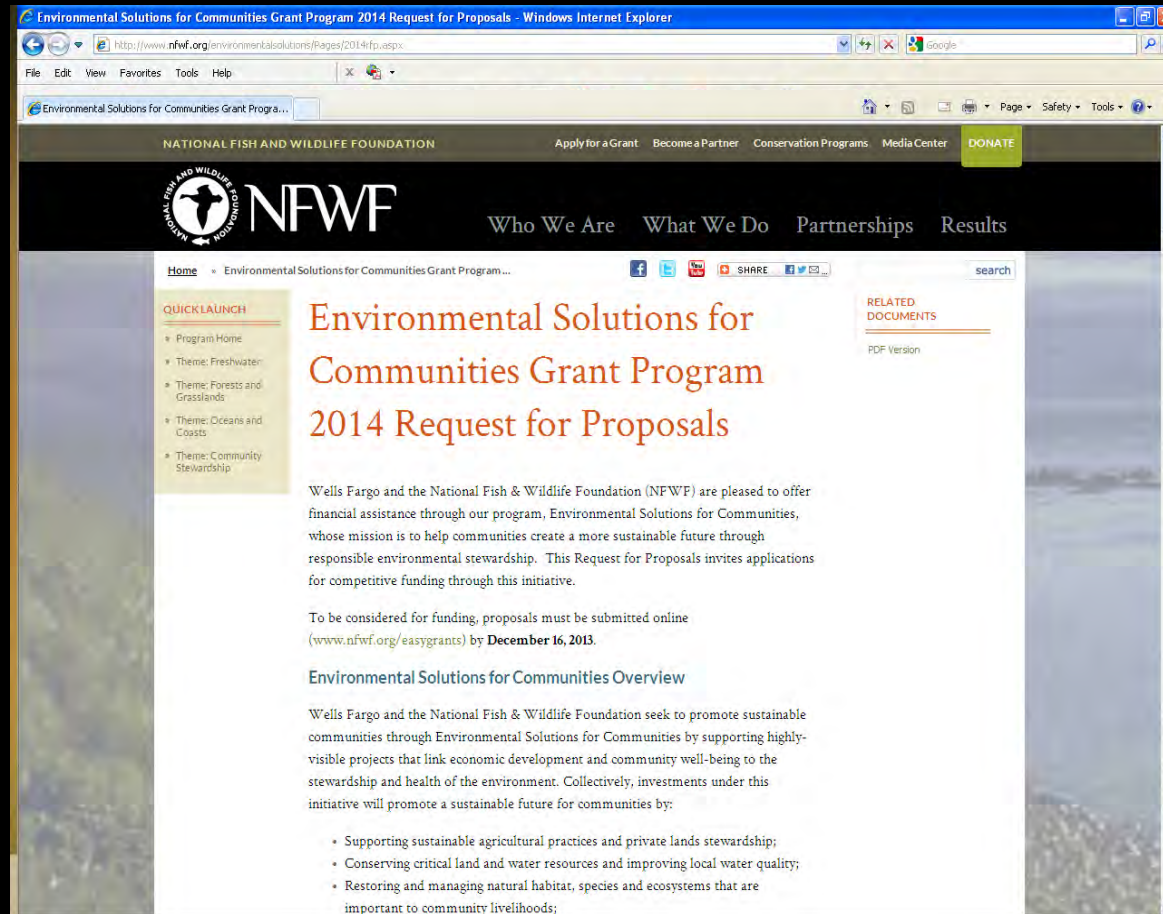


Grant Programs

- Variety of sources – federal and state
- Available in limited amounts
- Support GI projects
- Generally fund small, local projects
- Not sufficient to fund large, multi-year programs

➤ *Not a reliable, long-term source for funding sustainable GI programs or policies*

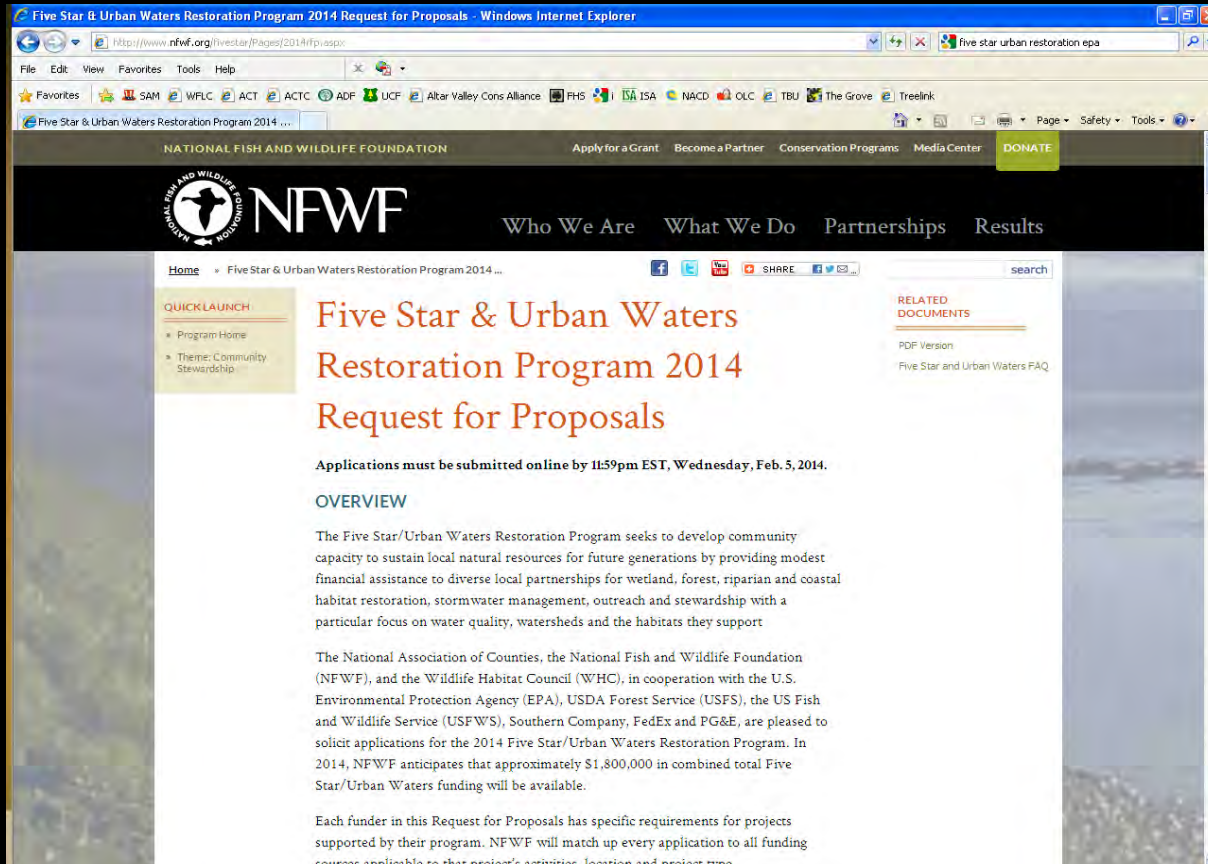
GI: Funding Resources (currently open)



National Fish & Wildlife Foundation Grants

<http://www.nfwf.org/environmentalsolutions/Pages/2014rfp.aspx>

GI: Funding Resources (currently open)



Multiple sources

Target: Phoenix
(metro)

~\$2.5M available

Various granting
amounts

National Fish & Wildlife Foundation Grants
<http://www.nfwf.org/fivestar/Pages/2014rfp.aspx>

GI: Funding Resources

The screenshot shows the FHWA website for Transportation Enhancement Activities. The browser address bar displays http://www.fhwa.dot.gov/environment/transportation_enhancements/. The page header includes the FHWA logo, navigation links (HEP, Events, Guidance, Publications, Awards, Contacts), and a search bar. The main content area is titled "Transportation Enhancement Activities" and features a sidebar with navigation links (Legislation, Guidance, Funding, Resources, Program Brief, Presentation). The main text area contains a "FHWA TE Contact" section for Christopher Douwes, a "State TE Contacts" section, and a "Transportation Enhancement Activities" section detailing the transition from TE to TAP. A list of "Eligible Activities" is provided, including pedestrian facilities, safety programs, scenic easements, historic sites, scenic highway programs, landscaping, historic preservation, and historic transportation buildings. The right sidebar includes sections for "Authorization", "RTP and TE Update", and "Related Resources".

U.S. Department of Transportation
Federal Highway Administration

Office of Planning, Environment, & Realty (HEP)
Planning • Environment • Real Estate

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Transportation Enhancement Activities

Legislation
Guidance
Funding
Resources
Program Brief
Presentation

FHWA TE Contact
[Christopher Douwes](#)
Trails and Enhancements
Program Manager
Federal Highway
Administration
FHWA HEPH-10 Rm E74-474
1200 New Jersey Ave SE
Washington DC 20590-0001
Phone: 202-366-5013
Fax: 202-366-3409

State TE Contacts
Contact your [State TE Manager](#) to ask about policies and funding in your State.

[FHWA → Environment](#)

Transportation Enhancement Activities

The Moving Ahead for Progress in the 21st Century Act (MAP-21) extended the Federal-aid highway program through September 30, 2012, and authorized new provisions effective October 1, 2012, for Federal fiscal years 2013 and 2014. The Transportation Enhancement (TE) Activities will be replaced by the **Transportation Alternatives Program (TAP)**. The Federal Highway Administration (FHWA) posts MAP-21 information at <http://www.fhwa.dot.gov/MAP21/>. Transportation Alternatives information will be added as it becomes available.

Current TE activities remain eligible for TE funds that were previously apportioned until the TE funds are obligated, rescinded, or lapsed. If you have specific questions about the transition from TE to the TAP in your State, please contact your State TE Program Manager. Contact information is available at <http://www.ta-clearinghouse.info/stateprofile>.

Transportation Enhancement (TE) activities offer funding opportunities to help expand transportation choices and enhance the transportation experience through [12 eligible TE activities](#) related to surface transportation, including pedestrian and bicycle infrastructure and safety programs, scenic and historic highway programs, landscaping and scenic beautification, historic preservation, and environmental mitigation. TE projects must [relate to surface transportation](#) and must qualify under one or more of the 12 eligible categories. See [Program Brief](#) and [Presentation](#).

On this site you will find program [guidance](#), [legislation](#), [funding data](#), and links to further [resources](#).

Eligible Activities

Transportation enhancement activity.--The term "transportation enhancement activity" means, with respect to any project or the area to be served by the project, any of the following activities as the activities relate to surface transportation:

1. Provision of facilities for pedestrians and bicycles.
2. Provision of safety and educational activities for pedestrians and bicyclists.
3. Acquisition of scenic easements and scenic or historic sites (including historic battlefields).
4. Scenic or historic highway programs (including the provision of tourist and welcome center facilities).
5. Landscaping and other scenic beautification.
6. Historic preservation.
7. Rehabilitation and operation of historic transportation buildings, structures, or facilities (including historic railroad facilities and [seaports](#)).

Authorization
[Resources and Comments](#)
for Trails and Transportation Enhancements

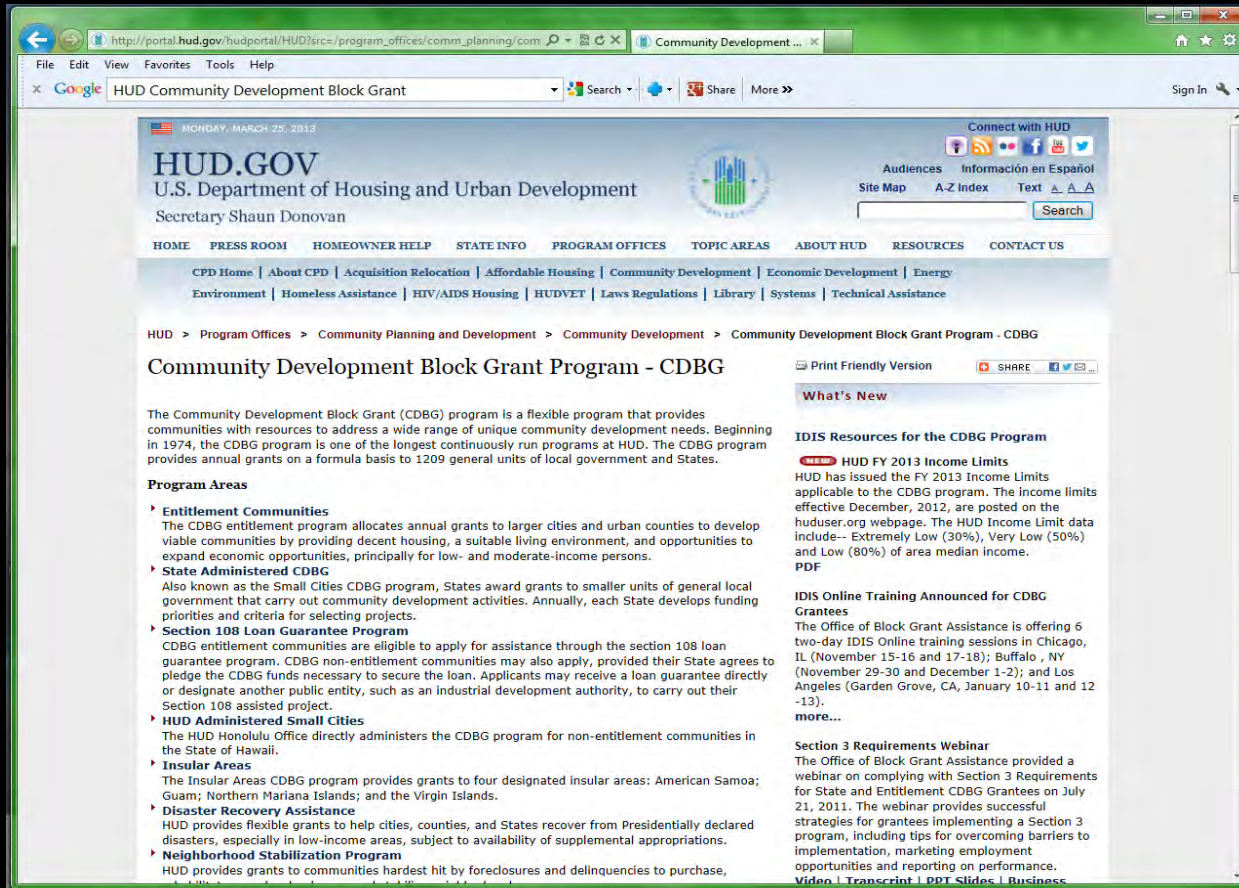
RTP and TE Update
[Regular updates](#), which are sent to FHWA Division contacts and State Trail Administrators, are available online.

Related Resources
The [National Transportation Alternatives Clearinghouse \(NTAC\)](#) is where to go to for State program information, project examples, a database of TA projects, to see how States use TA funds, and to order TA related documents.

Transportation Enhancement Activities

http://www.fhwa.dot.gov/environment/transportation_enhancements/

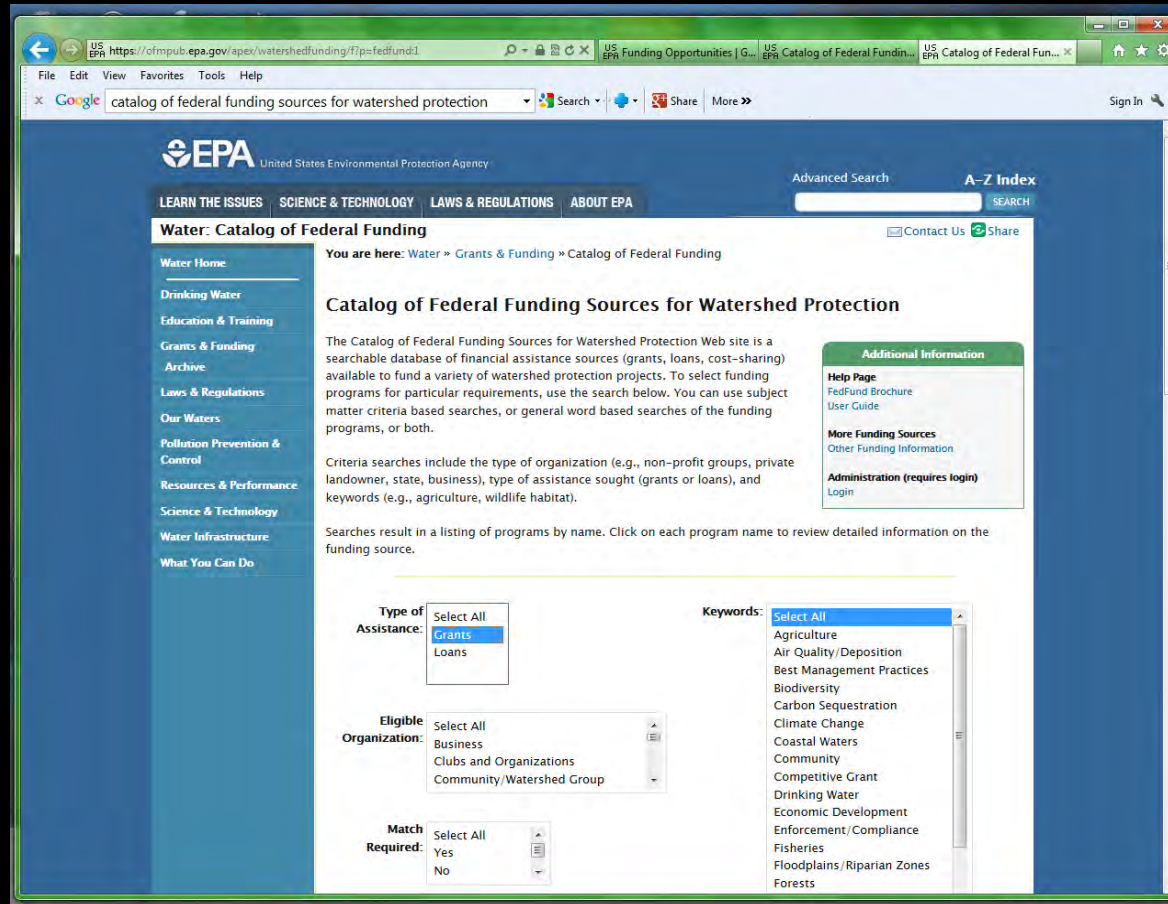
GI: Funding Resources



HUD Community Development Block Grant Program (CDBG)

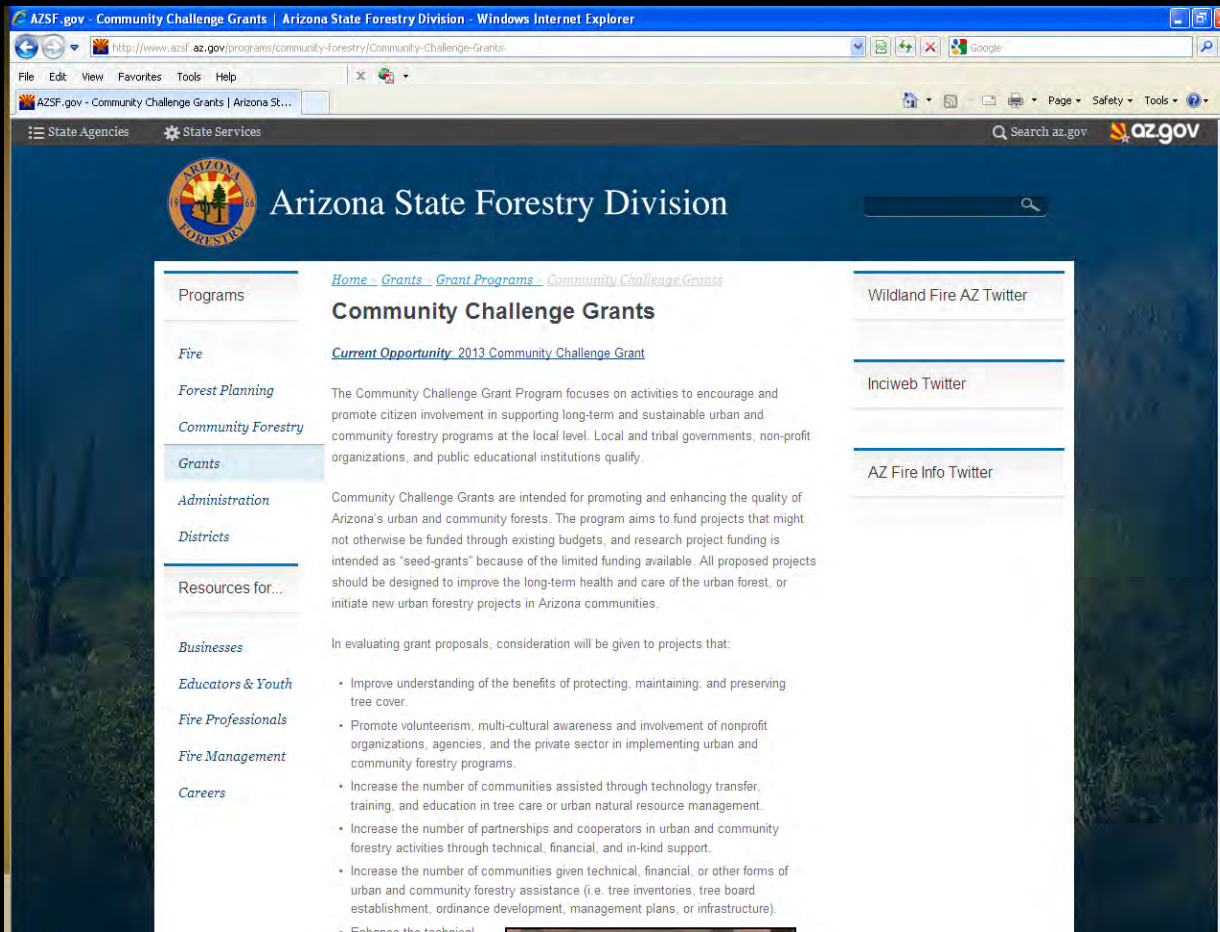
http://portal.hud.gov/hudportal/HUD?src=/program_offices/comm_planning/communitydevelopment/programs

GI: Funding Resources



Catalog of Federal Funding Sources for Watershed Protection
<https://ofmpub.epa.gov/apex/watershedfunding>

GI: Funding Resources



Arizona State Forestry – Community Challenge Grants

<http://www.azsf.gov/programs/community-forestry/Community-Challenge-Grants>

GI: Funding Resources



CCG Project Categories

- Information and Education
- Planning
- Community and Natural Resources Mgmt
- Maintenance
- Demonstration Projects
- UCF Research

GI: Funding Resources

You've been selected to participate in:

CULTIVATING GREEN INFRASTRUCTURE

Challenge to Action - Codes, Communication & Collaboration



How do Arizona cities and towns construct healthy, prosperous, and sustainable communities?

Green Infrastructure is a big idea gaining momentum across the country. Green Infrastructure is a solution multiplier that provides cost-effective responses to many economic, social and environmental challenges. However, there are many barriers that need to be overcome in order to successfully develop, especially in arid environments like the Sonoran Desert.

Join a select group of industry professionals, technical experts and community leaders in a conversation about the constraints and opportunities for developing and green infrastructure in Arizona.

Location: Pueblo Grande Museum
4619 E. Washington St., Phoenix, AZ

Date: March 20, 2013, 8 a.m. to 12:30 p.m.

Master of Ceremony: Dave Nichols
The Sonoran Institute and Councilmember, City of Mesa

RSVP required: Please RSVP by March 15th.
This event is for invitation only.
Anne.Pedichman@asu.edu

This is a small event that is focused on bringing together key individuals to collaborate on developing solutions that


Example of ASF-Funded GI Project

- ASU-Global Inst. of Sustainability
- Partners
 - Arizona State University
 - Sustainable Cities Network
 - Cities of Phoenix, Glendale and Mesa
- Project Objectives
 - Increase stakeholder knowledge
 - Increase awareness of preserving, maintaining and expanding urban tree cover
 - Educate stakeholders on the effect of green infrastructure investment
 - Increase number of certified arborists in local cities

Please

Trees for People:

Developing a Tree and Shade Plan for Your Community



You're Invited

Date: Wednesday, March 27, 2013
Time: 7:30 am - 1:45 pm
Location: Mesa Arts Center
60000 N. Dobson Rd., Suite 100
Mesa, AZ 85207
Ticket: Free

What Should I expect?
An expert will guide you through the process of developing a tree and shade plan for your community. You will learn about the benefits of trees and shade, and how to develop a plan that meets the needs of your community.

Why a Tree and Shade Plan?
Trees and shade provide many benefits to communities. They reduce energy costs, improve air quality, and provide shade for pedestrians and cyclists. A tree and shade plan is a document that outlines the goals and objectives for a community's tree and shade program.

Why Attend?
This is a great opportunity to learn from experts and to meet other community leaders who are working on tree and shade projects. You will also have the chance to ask questions and get advice from the experts.

Agenda:
7:30 am - 8:00 am: Registration
8:00 am - 8:30 am: Welcome and Introduction
8:30 am - 9:00 am: Presentation: The Benefits of Trees and Shade
9:00 am - 10:00 am: Presentation: How to Develop a Tree and Shade Plan
10:00 am - 11:00 am: Presentation: Case Studies
11:00 am - 12:00 pm: Lunch
12:00 pm - 1:45 pm: Open House and Sign-up for Tree and Shade Plan Development

Logistics:
The event is free and open to all. There is no charge for admission. However, there is a charge for the materials and supplies that will be provided. These materials include a copy of the Tree and Shade Plan Development Guide, a copy of the Tree and Shade Plan Checklist, and a copy of the Tree and Shade Plan Template.

Registration:
Registration is required for this event. To register, please visit the event page at www.asu.edu/treesforpeople or call 480-924-7500.

Logos: ASU GLOBAL INSTITUTE OF SUSTAINABILITY, ARIZONA STATE UNIVERSITY, GLENDALE, mesa-az, UAS

For graphics and/or content updates, please contact: Anne Pedichman, Project Manager, at 480-924-7500 or email at Anne.Pedichman@asu.edu. For more information, please visit the event page at www.asu.edu/treesforpeople or call 480-924-7500.

GI: Funding Resources



Example of ASF-Funded GI Project

- Watershed Management Group
- Partners
 - City of Phoenix
 - Local communities where programs and workshops are hosted
- Project Objectives
 - Conduct public workshops and education
 - Create demonstration sites
 - Establish green infrastructure designs
 - Develop green infrastructure policy to facilitate development of community-based, water sensitive urban forestry practices



Thank You



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Urban & Community Forestry Program,
Arizona State Forestry
Phoenix, Arizona