Urban Forestry South National Forestry & Wood Products Extension Conference, Cocodrie, LA

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The Urban & Community Forestry program operates within State & Private Forestry (not National Forests, or Research) and Cooperative Forestry (which includes Forest Legacy, Community Forestry, Forest Stewardship, U&CF).

Note: Community Forestry (within Coop Forestry) is more like the European concept NOT urban as an "urban & community forestry".

Dudley R. Hartel Center Manager

706-410-5568 cell × <u>Dhartel@fs.fed.us</u> @ufs_cuif × LeavesOfChangeWeekly.org

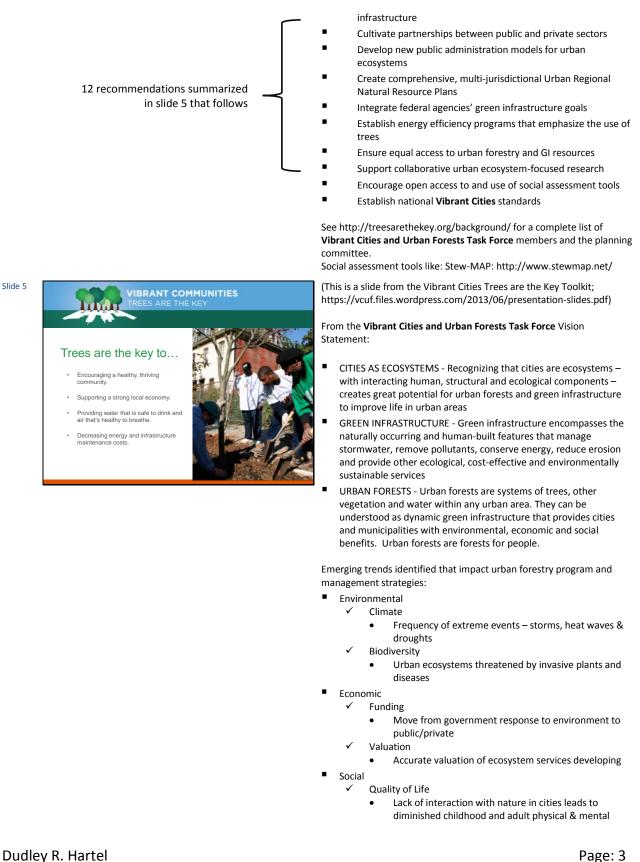
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Slide 3 In Cooperative Forestry in particular, we work with other national VIBRANT COMMUNITIES partners. The state Some examples of how we deliver our program nationally: DELIVERING THE URBAN & COMMUNITY FORESTRY PROGRAM Through the states and in partnership with National Association of State Foresters (NASF) Through national non-profit partners (e.g. Sustainable Urban Sustainable Urban Forests Coalition Forests Coalition, Arbor Day Foundation and American Forests) In interagency partnerships with other federal agencies Urban Waters with EPA ./ State Green Infrastructure revolving funds with EPA ~ National Disaster Resilience Competition with HUD National Urban and Community Forestry Advisory Council (NUCFAC) - USFS led council of 15 members that advise the Secretary of Agriculture Core focus areas for our national U&CF program are currently: Urban forest health and resilience Green jobs and environmental justice Reduce storm water runoff and access to clean water and clean air Energy conservation Local wood and biomass Local food through urban agroforestry Economic development Improving mental and physical health and providing outdoor experiences Slide 4 We'll start be quickly reviewing four recent reports or efforts to **VIBRANT COMMUNITIES** develop priorities related to urban forestry. First, in 2010 the USFS and the New York Restoration Project with the Sustainable Urban Forests Coalition (SUFC) launched the Vibrant Cities Vibrant Cities Report and Urban Forests Task Force. In 2011, a diverse group of 25 specialists From a broad array of disciplines and sectors Task: "identify the myriad ways in which urban forests contribute to making a community 'vibrant," and articulate strategies for integrating urban forestry into policymaking and priority - setting in each region of the country and in any size community – from rural towns to large urban centers" From a broad array of disciplines and sectors The task force was convened to advance conversations and bolster efforts that have been taking place for years aimed at developing strategies to more effectively support urban ecosystems, and in particular urban forests. In 2011, the Task Force issued a report called Vibrant Cities and Urban Learn more about the 12 specific recommendations & action steps Forest: A National Call to Action that looked broadly at issues like: www.treesarethekey.org Health and social services¹ Landscape design and architecture Economics and social justice¹ Green infrastructure and urban heat island effects (and dozens of others)¹ It is a good reference and can be found at www.TreesAreTheKey.org (see Online Toolkit); 23 pages The 12 recommendations (see report for Suggested Action Steps): Create a national education and awareness campaign Foster urban forestry and natural resources stewardship and volunteerism Create sustainable jobs in urban forestry and green ¹ Triple Bottom Line – Social, environmental, and economic

Dudley R. Hartel Center Manager

706-410-5568 cell <u>Martel@fs.fed.us</u> @ufs_cuif <u>LeavesOfChangeWeekly.org</u> Page: 2

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Center Manager

706-410-5568 cell × DHARTEL@FS.FED.US @UFS CUIF 💥 LEAVESOFCHANGEWEEKLY.ORG Page: 3

health

Health (Human)

Healthcare and social services facing financial stress & strain of aging population

Second, in June 2013, the President announced the White House's Climate Action Plan.

From the Action Plan the President said: "... we have a moral obligation to future generations to leave them a planet that is not polluted and damaged"....

How did we fit our UCF program in to it?

Our role in managing urban forests supports two of these goals:

- Cutting carbon pollution, urban trees can play a role in cutting energy waste in homes (by reducing energy demand) and in reducing other greenhouse gas emissions (through carbon sequestration and storage).
- Preparing U.S. for impacts of climate change, urban trees will play a role in "building stronger and safer communities" (managing tree structure and risk), and "protecting our economy and infrastructure" (green jobs, community resilience, sustainability, reduce wildfire risk).

Third, in April of 2015, USDA Secretary Tom Vilsack announced that USDA will contribute to meeting the goals of the President's Climate Action Plan and the GHG reduction commitment through a series of Greenhouse Gas "Building Blocks".

These building blocks are:

•	Voluntary,	incentive	based	approaches	

- Provide economic and environmental benefits
- Meet the needs of producers
 - Assess progress and measure success
 - Cooperative and focused on building partnerships

Vilsack said some of the best opportunities for forestry were:

- Planting trees on marginal ag lands
- Planting in burned over areas (federal and private)
- Within our urban forests

So our U&CF Program partnered with the Arbor Day Foundation and created the **Energy Saving Trees** program. A tool that helps home owners pick location and species of trees to plant on their property in order to reduce energy bills and sequester carbon. The utility partner shoulders the cost of the tree.

Between 2016 and 2025, the return on investment for the USDA Forest Service's initial \$1 million investment will be \$4.9 Million. The Program builds off the i-Tree Design platform to generate potential environmental benefits.

Note: i-Tree is a state-of-the-art, peer-reviewed software suite from the USDA Forest Service that provides urban forestry analysis and benefits assessment tools that quantify the structure of community trees and the environmental services that trees provide. The 2014 version of i-Tree offers several urban forest assessment applications including i-Tree Eco, i-Tree Streets and i-Tree Vue. i-Tree Design and i-Tree

Dudley R. Hartel Center Manager

706-410-5568 cell × <u>Dhartel@fs.fed.us</u> @ufs_cuif × LeavesOfChangeWeekly.org Page: 4

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Slide 7

Slide 6

	EES ARE THE KEY
Urban Forests and	d the President's Climate Action Plan
	their management contributes to climate on and mitigation at the national scale
w The President's Climate Action Plan	Three Main Goals of Plan: 1. Cut Carbon Pollution in America
	 Cutting Energy Waste in Homes, Businesses and Factories
Executive Office of the President	 Reduce Other Greenhouse Gas Emissions Prepare the United States for the Impacts of Climate Change
Jure 2013	Stronger & safer communities & infrastructure Protecting our economy & natural resources
	 Lead International Efforts to Combat Global Climate Change and Prepare for its Impacts

VIBRANT COMMUNITIES

Ten USDA "building block" teams were tasked with developing options for implementation of practices to sequester and reduce GHG

Soil health (NRCS/ARS/NIFA) Nitrogen stewardship (NRCS/ARS/NIFA) Livestock partnership (NRCS, RD, RUS, ARS, NIFA) Conservation of sensitive lands (IFSA, NRCS, NIFA) Grazing and pasture lands (IRCSA, NRCS, STA) Private forest growth and retention (FS) Stewardship of federal forest (SFS) Promotion of wood products (FS)

Urban forests (FS) Energy generation and efficiency (RUS, RD, NRCS, FS)

VIBRANT COMMUNITIES

Canopy are accessible online assessment tools. www.iTreeTools.org

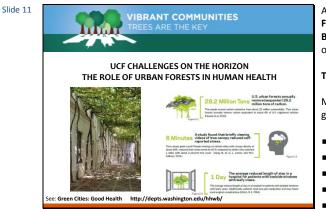
Slide 8 And fourth, we'll look at the National Urban & Community Forestry VIBRANT COMMUNITIES Advisory Council (NUCFAC) 10 Year Action Plan (to be released November 2015). -Year Urban Forestry Action Plan (2016-2026) This plan takes a comprehensive look at issues highlighted in Vibrant National Urban & Community Forestry Advisory Council's Ten Year Action Plan Utilian And Community, Forsets Increases Cities and the Climate Action Plan. Tango et Constantine Dravid (Manuard) Deservation for any Dravid Constanting The 3 Overarching Principles: Cools and Can Within 3 overarching goals: Advance health and wellness of forests, ecosystems, and people
 Maximize community and ecosystem sustainability Advance health & wellness of forest, ecosystem, and people (i.e. the community) Build community and natural ecosystem resilience Maximize community and ecosystem sustainability Building community and ecosystem resilience www.fs.fed.us/ucf/nucfa To be released November 2015 Slide 9 The 7 goals identified in the plan provide a focus for the next 10 years: **VIBRANT COMMUNITIES** Planning I TILL Human Health **Diversity & Leadership** Urban Forestry Action Plan National Urban & Community Forestry Advisory Council's Ten Year Action Plan **Environmental Health** Fair Trees Mose and Constantly Faire Duministry Pathway and Integrate Likben and Community Foreatry Into all Scales of Planning A Support dockbrant of bity misc and regional scale mester plans for work for the scale of the scale of the scale of the scale of the Bis Support inclusion of these and breaks as denoted to all community complexities and maker planning forth. Management to planning &CF in human health equity, and leadership Funding usunch a public awareness and education campaign to elevate the value urban frees and urban forests ecosystems as essential contributors to mnunity sustainability and resilience. **Education and Awareness** Zientituose to canatosetry in public primet. Diversity & leverage funding . Planning community capacity to use urban trees and i ng. intrastructure, and private development SAR HER Strategies are identified for each of the goals. Increase public awareness & education www.fs.fed.us/ucf/nucfac To be released November 2015 Slide 10 And for each goal the plan talks about: **VIBRANT COMMUNITIES** What has been done well in UCF (not just USFS - but all those 11111 practicing in the field) What still needs to be done National Urban & Community Fore Advisory Council's Ten Year Action Plan Year Urban Forestry Action Plan (2016-2026) Some actions that can be taken and case studies to support Par Tores Uther Red Constantly Forest Summarity Pathway, and them Plan Ministeller Halp di Communities Donis (Manuschi Economical Parameter and Streem Within each of the 7 Goals: Funding needs nd Strategies And research needs What we have done well What still needs to be done How to get there Case studies Will be released in November 2015. www.fs.fed.us/ucf/NUCFAC Funding needs Research needs www.fs.fed.us/ucf/nucfac To be released November 2015

Dudley R. Hartel Center Manager

706-410-5568 cell × <u>Dhartel@fs.fed.us</u> @ufs_cuif × LeavesOfChangeWeekly.org

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IBRANT COMMUNITIES

UCF CHALLENGES ON THE HORIZON

CULTIVATING DIVERSITY, EQUITY AND LEADERSHIP

IN URBAN & COMMUNITY FORESTRY

16.8% Return on sales for compa with at least three women And now, after looking at recent work by the Vibrant Cities & Urban Forests Task Force, the 2013 Climate Action Plan with USDA's 2015 Building Blocks for carbon, and the new NUCFAC 10 Year Plan, 3 opportunities appear on the horizon.....

The role of urban forests in human health....

More and more data is becoming available about how exposure to green environments

- Reduces childhood ADD
- Removes pollution that causes asthma
- Increases recovery time in hospitals
- Reduces stress
- And in some cases, reduces crime

See Kathy Wolf, Green Cities: Good Health http://depts.washington.edu/hhwb/

The 2nd opportunity on the horizon...

Cultivating diversity, equity, and leadership in UCF...

- Among urban forestry professionals
- And the neighborhoods and communities served.

Slide 13

Slide 12

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And as always ...

Importance of funding and relevancy...

Ability to tell the story of the real benefits of urban forests

Challenge of metrics in UCF Programs

Right now we believe that counting cities with sustainable UCF programs is better than actually counting trees planted... but that is changing with the increasing ability to calculate the value of tree canopy cover through tools & models like i-Tree (www.iTreeTools.org).

We consider a city's program to be sustainable if they do 4 things:

- Have dedicated professional staff (urban forester, park supervisor, city planner, etc.)
- Have an urban forestry management plan for the city
- Have tree management and protection ordinances
- Has an advisory council or advocacy group (likely a local nonprofit)

Note: Region 8 has developed an Urban Forest Sustainability and Management Audit Checklist that identifies 10 categories of

Dudley R. Hartel Center Manager

706-410-5568 cell X <u>Dhartel@fs.fed.us</u> @ufs_cuif X LeavesOfChangeWeekly.org Page: 6

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management to measure and track local U&CF management programs over time. Currently being tested in Raleigh, NC. See: www.UrbanForestrySouth.org. Search for keyword: audit. <u>http://www.urbanforestrysouth.org/resources/library/ttresources/urb</u> <u>an-forest-sustainability-and-management-audit-checklist</u> An Excel version is also available.



That is a quick look at the U&CF program at a national level including:

- The national U&CF Program priorities
- Vibrant Communities and their Trees are the Key report
- President's Climate Action Plan
- USDA's "building blocks"
- NUCFAC 10 Year Plan priorities
- Three principal U&CF challenges on the horizon ✓ Human health
 - ✓ Building diversity and leadership
 - ✓ Funding and relevancy to communities

Through our network of partners we have hundreds and hundreds of U&CF projects at the local level.

This presentation is available as PDF at <u>www.UrbanForestrySouth.org</u>, search for "extension foresters".

Dudley R. Hartel Center Manager

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