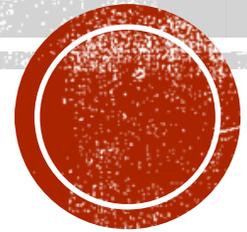


**NATIONAL URBAN &
COMMUNITY FORESTRY
ADVISORY COUNCIL**



The 1990 Farm Bill created NUCFAC to bring together the **WIDE VARIETY OF VOICES** raised about a common concern:

THE PRESENT HEALTH AND FUTURE PRESERVATION OF AMERICA'S URBAN FORESTS.

NUCFAC was founded to synthesize the full spectrum of views into a consistent vision, as a **FOUNDATION FOR PRACTICAL POLICY ON URBAN FORESTRY.**



Photo credit: Amigos de los Rios

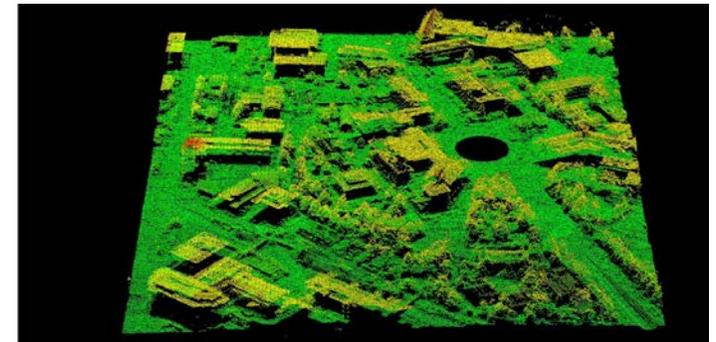


Photo credit: Kathleen Wolf



10 YEAR ACTION PLAN

RECOMMENDATIONS TO THE SECRETARY

CHALLENGE COST SHARE GRANTS



10 YEAR ACTION PLAN

Serves as a unifying guide for urban and Community Forestry research and implementation for the forest service, our partners and on the ground practitioners



Photo credit: Kristina Brezanso

Goals

Funding Needs

Research Needs



10 YEAR ACTION PLAN

GOALS



GOAL 1: PLANNING

10 YEAR ACTION PLAN



Photo credit: Amigos de los Rios

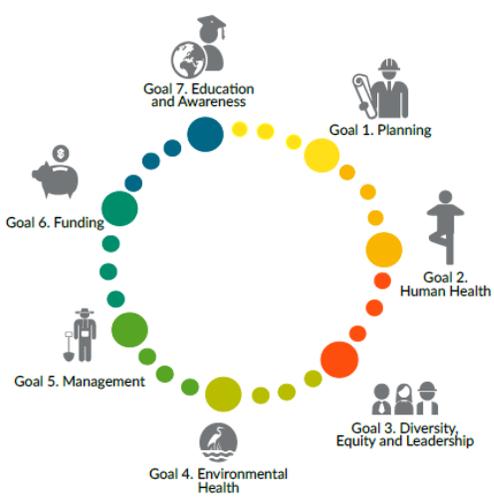
Targets: Suite of regional planning tools; criteria and benchmarks for measuring sustainability; standard measures for urban forestry and green infrastructure benefits

Why it matters: Incorporating green infrastructure into planned capital improvement projects
REDUCES COSTS BY 45%



GOAL 2: HUMAN HEALTH

10 YEAR ACTION PLAN



Targets: major social media providers advertise the benefits of urban forests; develop tools to measure impacts of urban forestry on human health; promote these benefits through partnerships; health organizations invest in health; developed “Vitamin Tree” minimum daily dose.



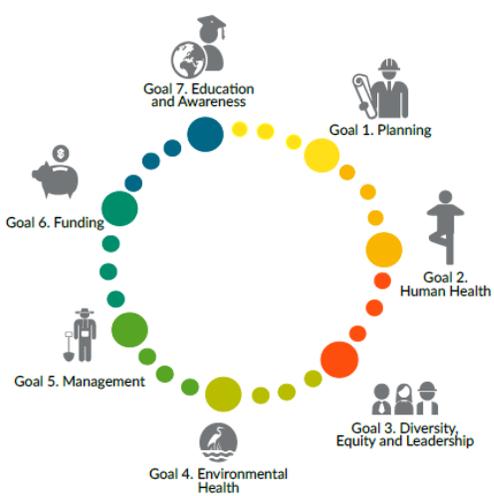
Photo credit: Guy Kramer

Why it matters: A study found that viewing **JUST SIX MINUTE VIDEOS OF TREE CANOPY REDUCED SELF REPORTED STRESS.** In New York City, **THE AIR QUALITY BENEFITS OF THE TREE CANOPY IS VALUED AT \$60.1 MILLION ANNUALLY**



GOAL 3: DIVERSITY, EQUITY AND LEADERSHIP

10 YEAR ACTION PLAN



Targets: wide spread adoption of diversity and inclusion principles; develop tools to measure ecosystem services; introduce youth to full range of opportunities available in the sector; increase green job availability.

Why it matters: Many studies reveal that distribution of trees and park space often **DISPROPORTIONATELY BENEFIT PREDOMINANTLY WHITE AND MORE AFFLUENT COMMUNITIES.**

Photo credit: Amigos de los Rios



GOAL 4: ENVIRONMENTAL HEALTH

10 YEAR ACTION PLAN



Targets: Develop and widely disseminate tools and comprehensive data to support environmental health; create an integrated network of training technology and talent to help communities recover from storms; food forest plans are widely available to communities.



Photo credit: Guy Kramer

Why it matters: The estimated cost for municipalities and homeowners to **REMOVE TREES KILLED BY NON-NATIVE PESTS IS \$2.7 BILLION**



GOAL 5: MANAGEMENT

10 YEAR ACTION PLAN



Targets: develop “scorecard” to enable communities to measure progress and success; nation wide urban tree census; develop tools to project tree growth patterns; national non-profits provide recognition to cities

Photo credit: Stephen Gorman



Why it matters: Large trees sequester **90 TIMES MORE CARBON** than small trees. Municipal street tree resources in Minneapolis provide **\$79 PER TREE IN ANNUAL BENEFITS TO THEIR COMMUNITY.**



GOAL 6: FUNDING

10 YEAR ACTION PLAN



Targets: funding for urban forestry is broad, deep and stable; federal programs relating to urban forestry are working together; urban forestry community has developed public-private partnerships.

Why it matters: **-24% CHANGE IN FEDERAL FUNDING** between 2005 and 2014.

The city of Minneapolis estimates it **INCREASED PROPERTY VALUES BY \$7.1 MILLION** by planting trees.



Photo credit: Stephen Gorman



GOAL 7: EDUCATION AND AWARENESS

10 YEAR ACTION PLAN



Photo credit: Amigos de los Rios

Targets: create national education campaign; launch online platform to launch activities; expand environmental education curriculum.

Why it matters: The average child spends **7 HOURS ENGAGED IN MEDIA EACH DAY.**



FIVE KEY PRINCIPLES TO GUIDE FUTURE RESEARCH AND RESEARCH INVESTMENTS

- build local capacity and support decision-making;
- expand research efforts from local to national scale, via standardization;
- replicate place-based study across different geographic regions, in a networked fashion;
- synthesize and deliver science; and
- build on research strengths while exploring new research needs.



RESEARCH NEEDS

10 YEAR ACTION PLAN

PURSUE RESEARCH THAT...

- increases understanding ecosystem services;
- promotes human and community health;
- furthers planting, inventory, and analysis for forest health;
- anticipates pests, threats, and climate, and change;
- enables civic stewardship and improved local governance;
- integrates knowledge networks and data for urban social-ecological systems.

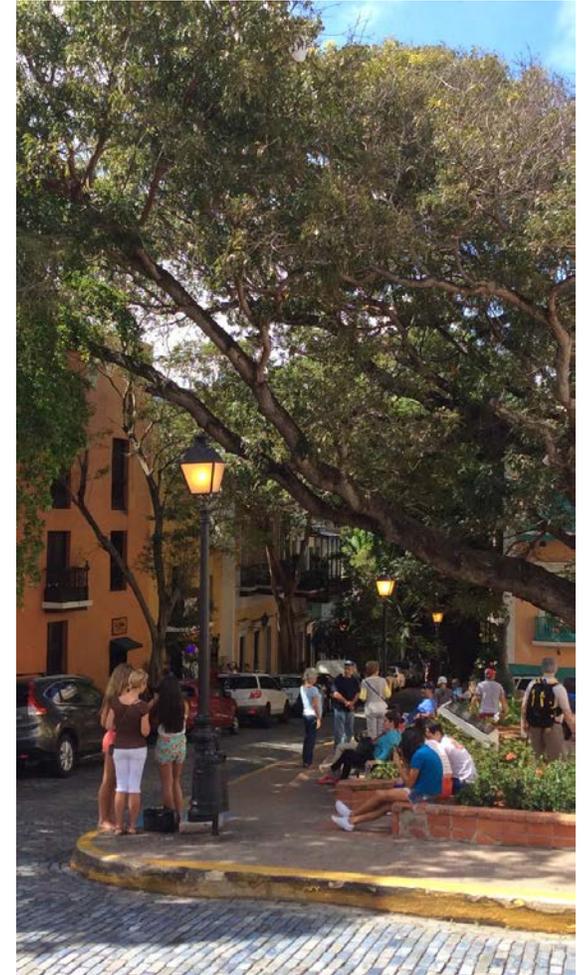


Photo credit: Kathleen Wolf



FUNDING NEEDS

10 YEAR ACTION PLAN

- The United States is becoming more urban. In the first half of the 21st century, urban land in the U.S. will increase by 8.1% of total land.
- To support future needs based on this urbanization, the plan estimates that USDA Forest Service UCF budget is \$32 million annually.
- If you include sample actions from the plan not included in the FS UCF budget, funding need is estimated at \$85 million.
 - Can get to this with leverage dollars to some extent, but current funding streams do not meet this number.



RECOMMENDATIONS TO SECRETARY FOR 2016

- Promote the 10 year action plan
- Create and maintain healthy communities
- **Align federal agency resources around improved coordination and investment in research to support UCF Program nationwide**



NATIONAL UCF COST SHARE GRANTS

In 2015, the council **funded 5 projects** for a total of **\$795,447**. The grant recipients committed an additional **\$1.2 million in match** to their projects. Grants will:

- Enhance urban forest stewardship
- Support new employment opportunities
- Build resilience in the face of a changing climate



NATIONAL UCF COST SHARE GRANTS

2016 grant categories:

- Analysis and Solutions for Development and Redevelopment Impacts on Urban and Community Forests
- Building Human Health Through Urban and Community Forestry
- Climate Change and Its Impact on Trees and Water



Photo credit: Christine Gyovai



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