

# Virginia's Street Trees: Ambassadors of the Urban Forest

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**Virginia Cooperative Extension**  
A partnership of Virginia Tech and Virginia State University

[www.ext.vt.edu](http://www.ext.vt.edu)



August 15th 2012

Street Trees in Virginia ~

What We Have, What We Want,  
& How We Get There

# PRESENTATION OVERVIEW

- Workshop context
- Workshop objectives
- Brief history of street trees
- Tour of Virginia Street Tree Assessment Project website



August 15th 2012

Virginia's Street Trees:  
Ambassadors of the Urban Forest

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# WORKSHOP CONTEXT

## Why are street trees ambassadors of the urban forest?

- Street trees are immersed in the built environment
- Citizens have a high level of interaction with them
- Their assets and liabilities are readily noticed by the public
- Citizens form their opinions and values of urban forests based on their experiences with street trees



# WORKSHOP CONTEXT

## Where are we right now?

### 59% Say Creating New Jobs More Important Than Protecting Environment

in [Politics](#)

 [Email this](#)  [ShareThis](#)

Tuesday, January 24, 2012

Despite President Obama's decision last week to delay the Keystone XL pipeline from Canada to Texas for environmental reasons, most voters think creating jobs trumps the environment.

A new Rasmussen Reports national telephone survey finds that 59% of Likely U.S. Voters say, generally speaking, that creating new jobs is more important than environmental protection. Twenty-nine percent (29%) disagree and say protecting the environment is more important. Another 12% are not sure. (To see survey question wording, [click here](#).)

RASMUSSEN™  
R E P O R T S

# WORKSHOP CONTEXT

## Where are we right now?

**Two National Surveys of 1,000 Likely Voters  
June 27-28 and July 1-2, 2012**

ISSUE	VERY IMPORTANT
Economy	74%
Health Care	67%
Gov't Ethics and Corruption	64%
Taxes	55%
Energy Policy	44%
Education	55%
Social Security	60%
Immigration	47%
National Security/War on Terror	46%
Afghanistan	30%

**RASMUSSEN™  
R E P O R T S**

Thursday, July 05, 2012

[www.rasmussenreports.com](http://www.rasmussenreports.com)

# WORKSHOP CONTEXT

## Where are we right now?

### Save Urban & Community Forestry Program from Being Repealed!



Tweet

31



+1

1



Like

202

Washington, DC (June 18, 2012)- Help save the U.S. Forest Service Urban and Community Forestry Program! Among the hundreds of Farm Bill amendments filed in the Senate is Amendment 2292 from Sen. Tom Coburn (R-OK) that would repeal the U.S. Forest Service Urban and Community Forestry (U&CF) Program. This amendment has been identified as one of 40 priority amendments by Senate Republicans. ACTrees believes U&CF is a vital program. We strongly encourage you to reach out to your Senators and ask that they oppose Amendment 2292. Votes are expected as early as today, Monday June 18.

ACTrees fully supports the U&CF Program, which provides assistance to over 7,000 communities in all states and territories. Many state forestry agencies rely on funds from the federal U&CF program to provide assistance and cost-share grants to communities. If you have ever received training, technical assistance, or funding from your state urban and community forestry program, you have benefited from the federal investment in the U.S. Forest Service U&CF program.

The [flawed reasoning](#) behind [Amendment 2292](#) suggests that local and national nonprofits can do the work of the U&CF program, without U&CF assistance. Tell your Senators that's not true-U&CF is vital for supporting, enhancing, and innovating the community forestry work that nonprofits are doing in cities and towns all across the country.



# WORKSHOP CONTEXT

Where are we right now?

## Eastern U.S. storms kill 13, cut power to millions

35

Like 83

Tweet 19

+ Share 5

Short URL Email Print



By ASSOCIATED PRESS | 6/30/12 8:00 AM EDT Updated: 6/30/12 9:54 PM EDT

WASHINGTON — Millions across the mid-Atlantic region sweltered Saturday in the aftermath of violent storms that pummeled the eastern U.S. with high winds and downed trees, killing at least 13 people and leaving 3 million without power during a heat wave.

[www.politico.com/news/stories/0612/78046.html](http://www.politico.com/news/stories/0612/78046.html)

# WORKSHOP CONTEXT

## Where are we right now?

### High winds and mature trees prove to be a dangerous mix

Summer's storms highlight need for inspections

COMMENTS (1) [Aa](#) SIZE: + / - [PRINT](#)



By Meredith Somers - The Washington Times

Monday, July 30, 2012

[Follow @meredithsomers](#)



[Enlarge Photo](#)

Erin Hodges and her fiance John Hopewell of Falls Church get around ... [more >](#)

#### PHOTO GALLERY:



3 Photos

Violent storms last month and a deadly incident two weeks ago are amplifying the danger presented by falling trees and tree limbs, which can be a hazard to houses, cars, people and power lines.

On July 17, a 64-year-old Reston man was crushed to death by a 100-foot oak tree that fell on his car in Great Falls. An arborist with the Virginia Department of the Environment said the tree was rotten on the inside, but no one had called to complain about the ivy-covered behemoth in the many years it stood along Georgetown Pike.

Dying trees are a hazard in themselves, but experts said people need to watch out even for the healthiest trees, especially after severe weather — something the D.C.-area has had no shortage of this year.

At the end of June, a rare derecho storm tore through the mid-Atlantic region, bringing with it 60 mph winds that ripped roofs from homes and knocked over thousands of trees and pulled down electrical lines. Nearly 30 deaths nationally were attributed to the storm, including one 90-year-old woman in Virginia who died when a tree fell through her roof, and a tree-trimmer working in Garrett County, Md., who fell to his death trying to remove debris. A D.C. woman was paralyzed after a tree landed on her while she was riding her motorcycle during the storm.

[www.washingtontimes.com/news/2012/jul/30/high-winds-mature-trees-prove-dangerous-mix](http://www.washingtontimes.com/news/2012/jul/30/high-winds-mature-trees-prove-dangerous-mix)

# WORKSHOP CONTEXT

## Where are we right now?



Monday, August 06, 2012

### **Restoring power post-storm cost \$37 million, Appalachian Power reports**

By Laurence Hammack | The Roanoke Times

More than a month after a windstorm caused record power outages, Appalachian Power Co. has put a price tag on restoring electricity to its Virginia customers – \$37 million.

But it's still too soon to say whether the costs of repairing downed power lines will be passed on to customers in the form of a rate increase, a spokesman for the utility said today.

Appalachian spent a total of \$94 million repairing damage in Virginia and West Virginia caused by a derecho storm that hit the night of June 29, downing trees and power lines with wind gusts of 80 mph.

At the peak of the crisis, about 243,000 Appalachian customers in Virginia were powerless.

Appalachian will factor in the \$37 million cost of restoring electricity in its next biennial proposal, due in March, to the State Corporation Commission, the agency that has the final say on rate increases.

Although the cost of the storm will be included in Appalachian's proposal, "we can't say with certainty that it will result in a rate increase," spokesman Todd Burns said.

# WORKSHOP CONTEXT

Where are we right now?



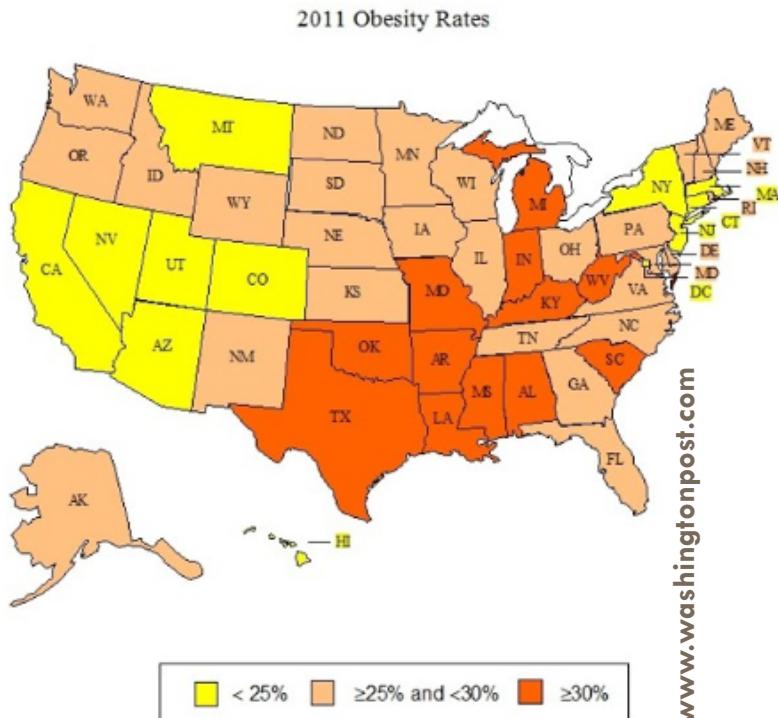
# WORKSHOP CONTEXT

## Where are we right now?

Posted at 12:40 PM ET, 08/13/2012

### New analysis indicates America remains obese

By [Tim Carman](#)



A new analysis of U.S. obesity rates shows that, as a nation, we're still carrying a lot of extra pounds. Twelve states have obesity rates that top 30 percent, according [an analysis](#) released this morning by the [Trust for America's Health](#) and the [Robert Wood Johnson Foundation](#).



# WORKSHOP CONTEXT

## Where are we right now?

### Do Unsafe Streets Prevent Us From Walking and Biking?

by JOSEPH CUTRUFO on Tuesday, May 24, 2011 at 1:45 PM



6 likes. Sign Up to see what your friends like.

A new study in the American Journal of Public Health says that Americans aren't walking or cycling as much as we think they are. Even though [transit use is up](#), active transportation has mostly stagnated.

The [research](#), which was conducted by Dr. John Pucher of Rutgers University's Bloustein School of Planning and Public Policy, shows that walking has increased (though not by much) among those who are well-educated, employed, and living without a car. It's also mostly men who are walking and cycling more. Despite programs designed to get [women, children and seniors](#) walking more for health and transportation, these segments of the population are actually walking less now than they were a decade ago.



# WORKSHOP CONTEXT

Where are we right now?



## Street Tree Functions

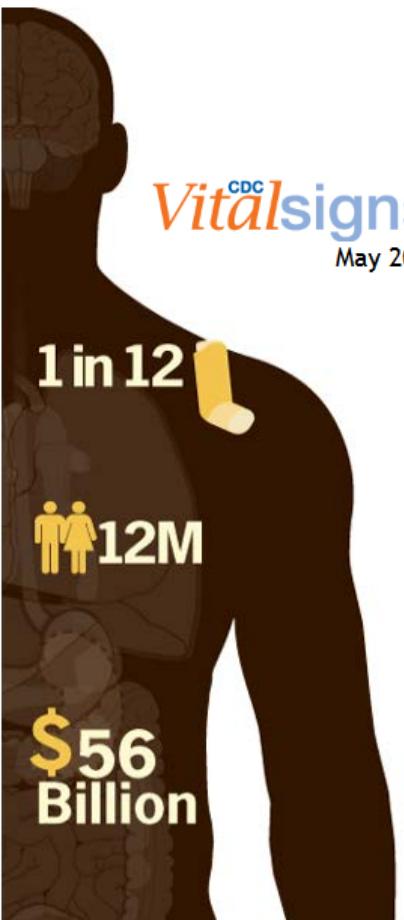
- Traffic calming
- Physical barrier
- Shade
- Stress relief

# WORKSHOP CONTEXT

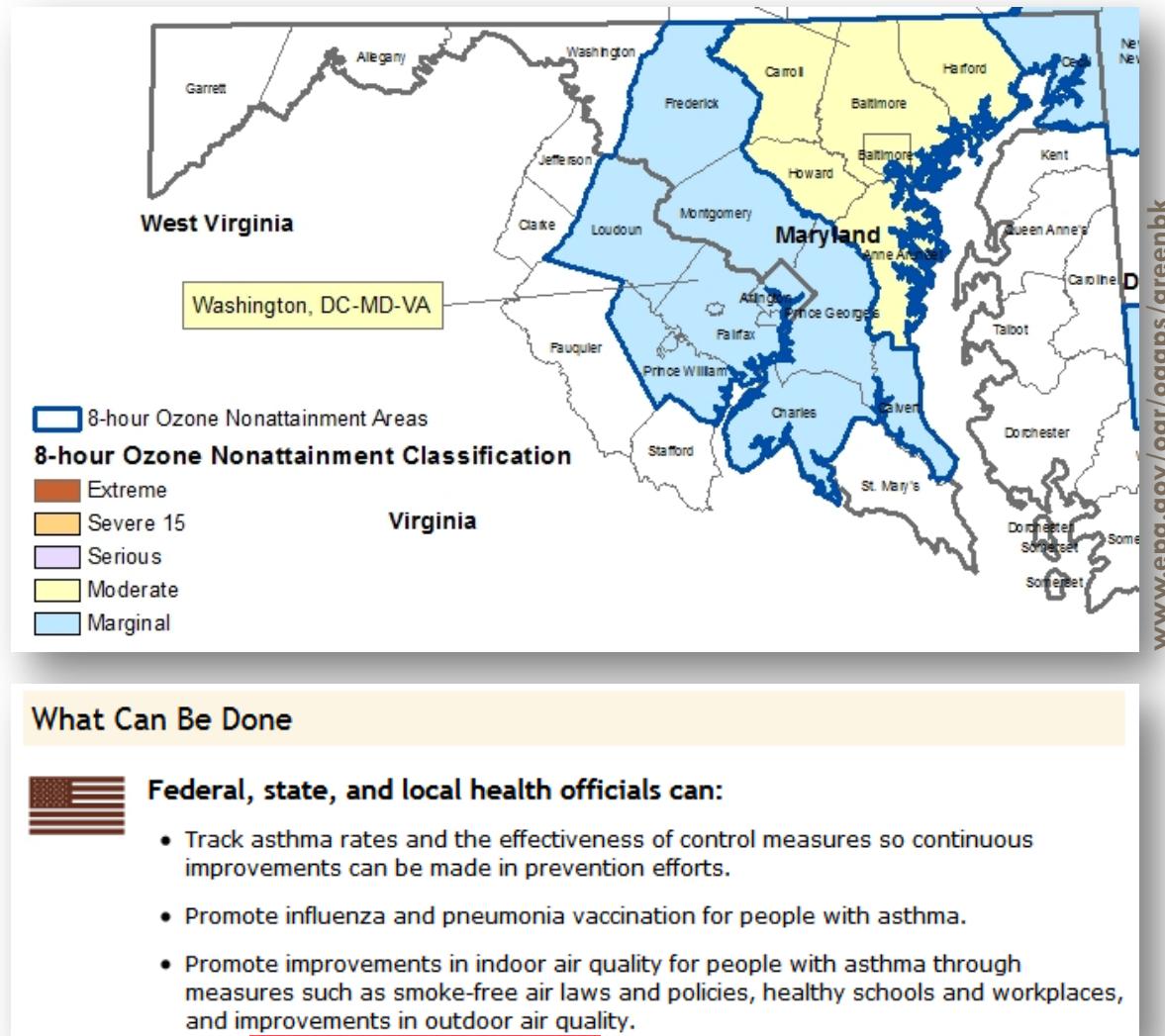
## Where are we right now?

### Asthma in the US

Growing every year

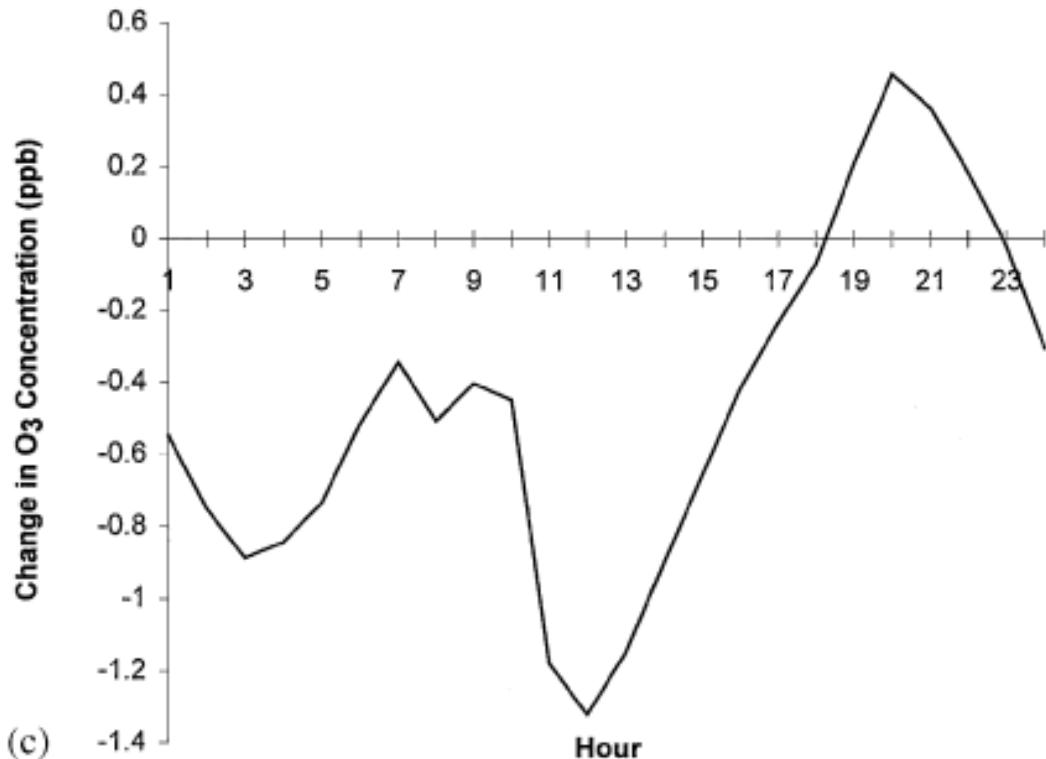


Vital Signs™  
May 2011



# WORKSHOP CONTEXT

## Where are we right now?



A modeling study of the impact of urban trees on ozone

David J. Nowak<sup>a,\*</sup>, Kevin L. Civerolo<sup>b</sup>, S. Trivikrama Rao<sup>b</sup>, Gopal Sistla<sup>b</sup>, Christopher J. Luley<sup>c</sup>, Daniel E. Crane<sup>a</sup>

Atmospheric Environment 34 (2000) 1601–1613

Increasing urban tree cover from 20 to 40% led to:

*“Overall, 8-hour average ozone concentration in urban areas dropped by 0.5 ppb (1%) throughout the day.”*

*“However, nighttime ozone concentrations increased due to reduced wind speeds and loss of NO<sub>x</sub> scavenging of ozone from increased deposition of NO<sub>x</sub>.”*

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Virginia's Street Trees:  
Ambassadors of the Urban Forest

# WORKSHOP OBJECTIVES

- Learn about the abundance, composition, and benefits of Virginia's street trees through an unprecedented i-Tree study
- Identify challenges and opportunities facing Virginia's street trees
- Improve the value and sustainability of our municipal street trees by applying basic principles and leveraging our collective resources



# PRESENTATION OVERVIEW

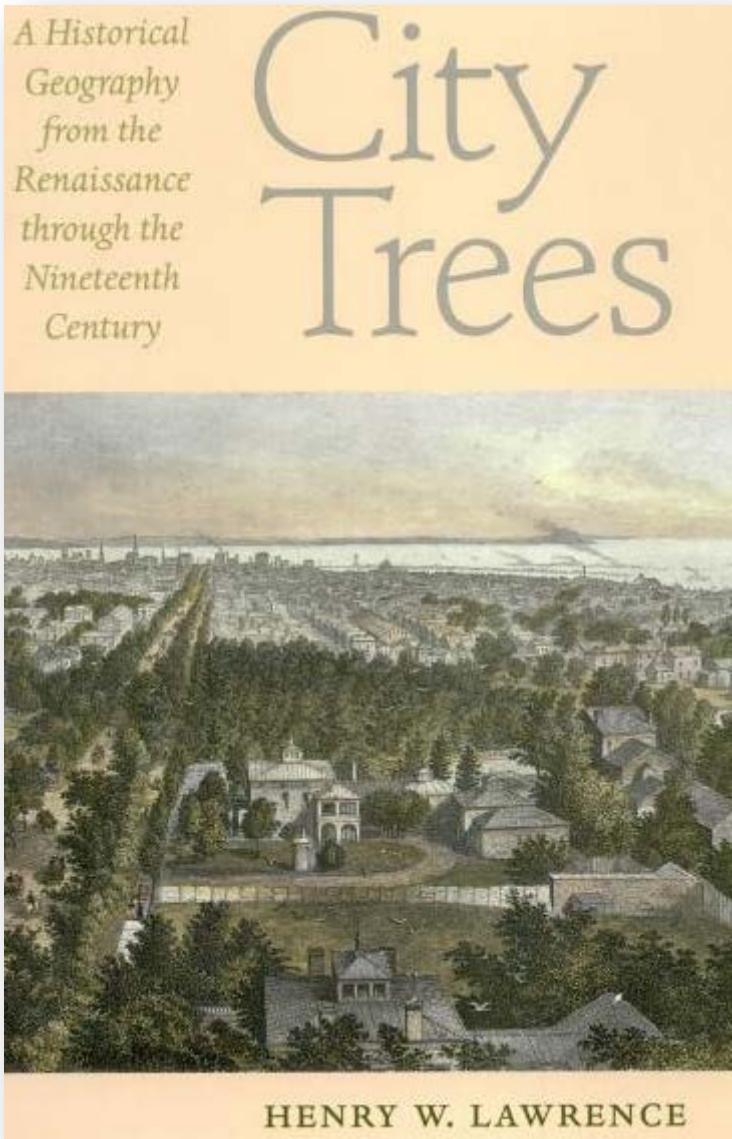
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August 15th 2012

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Ambassadors of the Urban Forest**

# BRIEF HISTORY OF STREET TREES



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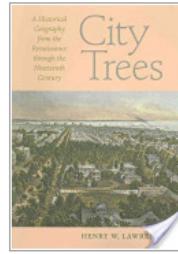
**City Trees:** A Historical Geography from the Renaissance Through

0

[Henry W. Lawrence](#)

0 Reviews

University of Virginia Press, Nov 30, 2008 - 336 pages



For those who have ever wondered why we have trees in cities  
Trees: A Historical Geography from the Renaissance through the Nineteenth Century is a guide to the history of trees in urban landscapes. Covering four centuries, this book traces how trees became integral to urban landscapes by looking at the history of their use in cities around the world.

[More »](#)

[Search inside](#)

[Preview this book »](#)



**City Trees: A Historical Geography from the Renaissance Through the Nineteenth Century (Historical Geographies from the Renaissance through the Nineteenth Century) [Paperback]**

[Henry W. Lawrence](#) (Author)

(1 customer review) | Like (0)

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# BRIEF HISTORY OF STREET TREES

Modern concepts of street trees traced to Renaissance Europe

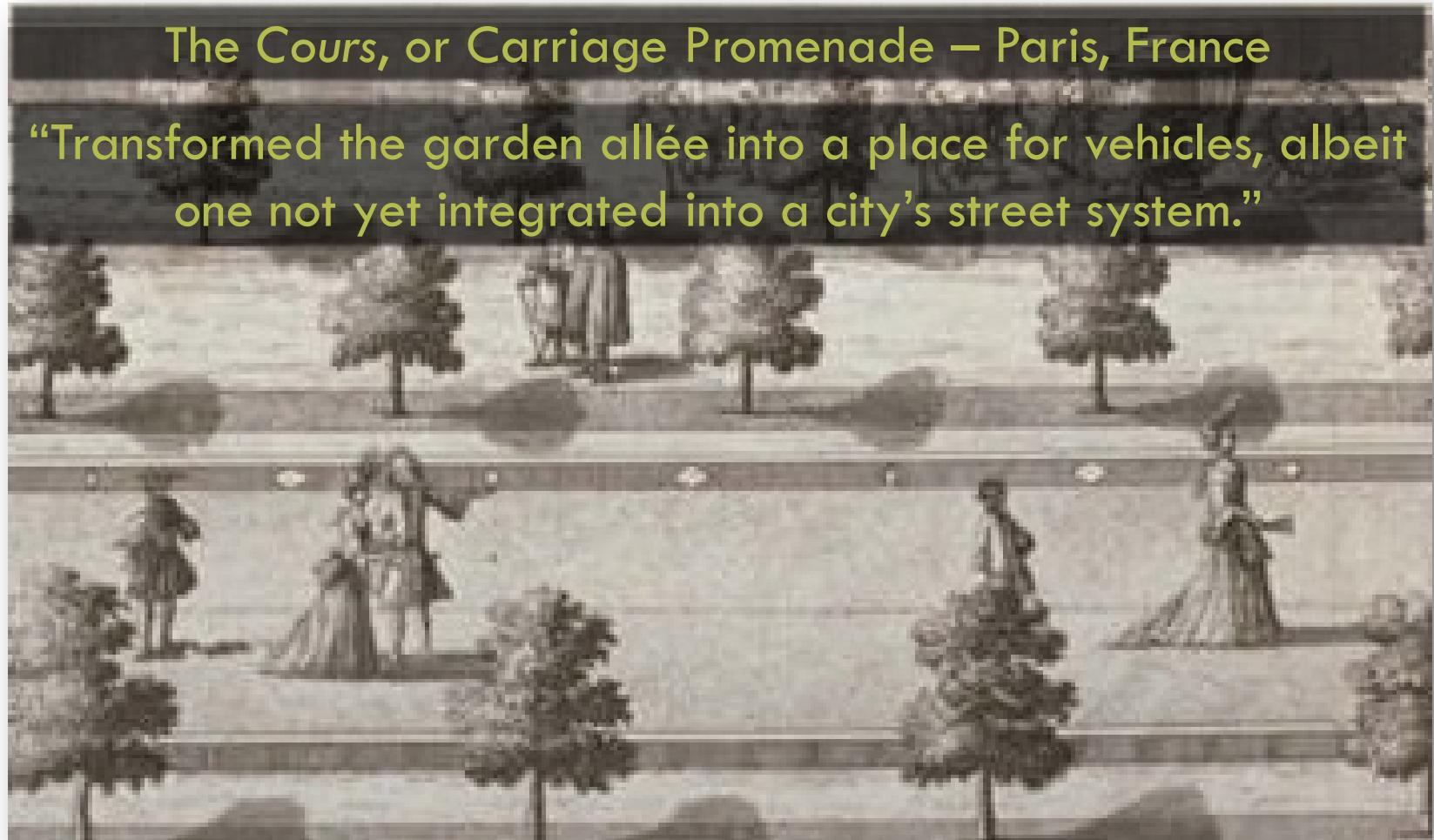


# BRIEF HISTORY OF STREET TREES

Modern concepts of street trees traced to Renaissance Europe

## The Cours, or Carriage Promenade – Paris, France

“Transformed the garden allée into a place for vehicles, albeit one not yet integrated into a city’s street system.”



# BRIEF HISTORY OF STREET TREES

Modern concepts of street trees traced to Renaissance Europe

Cours de la Reine – Paris, France (1616)



# BRIEF HISTORY OF STREET TREES

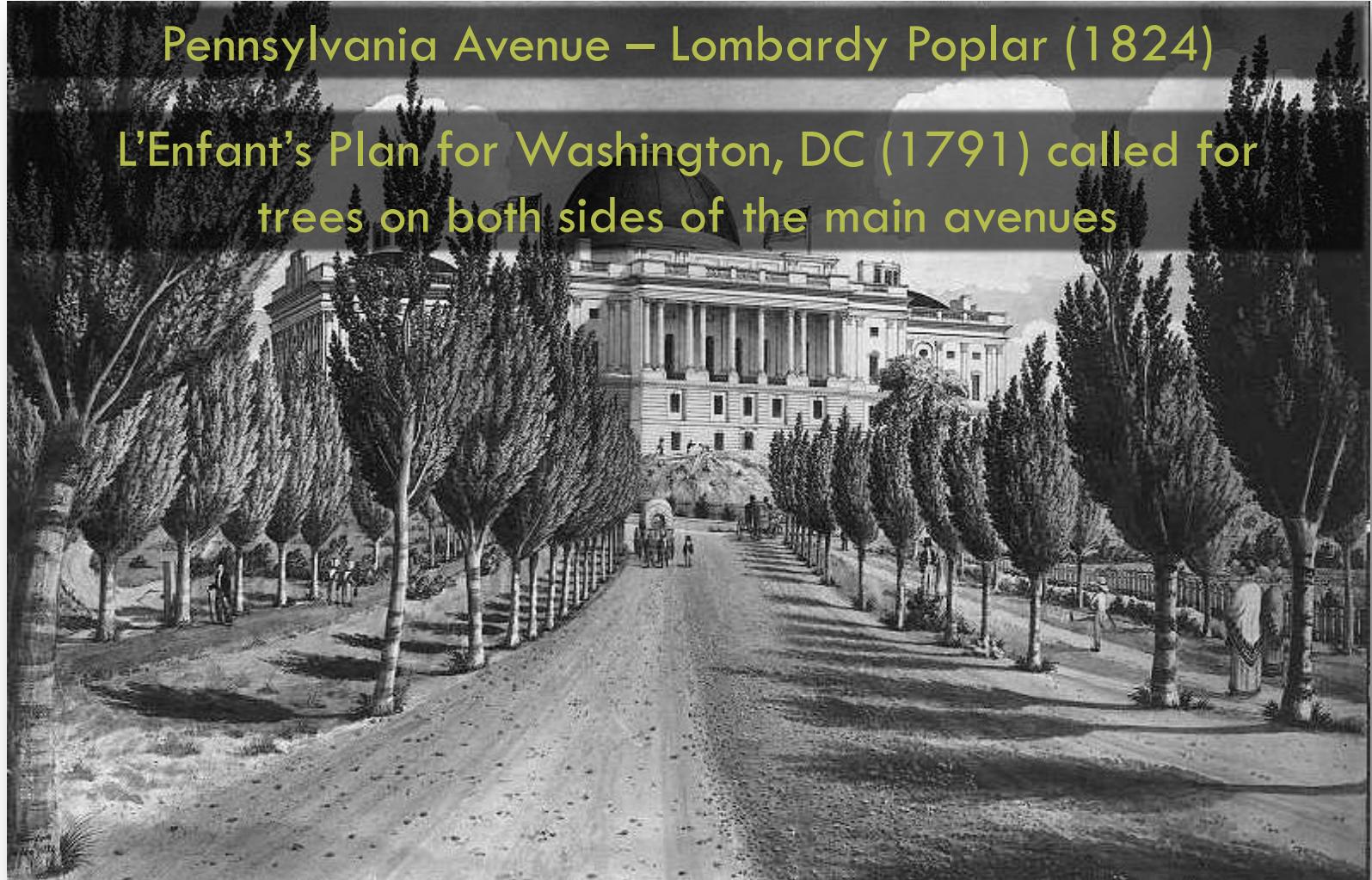
Modern concepts of street trees traced to Renaissance Europe

Avenue des Champs-Élysées – Paris, France (1724)



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Modern concepts of street trees traced to Renaissance Europe

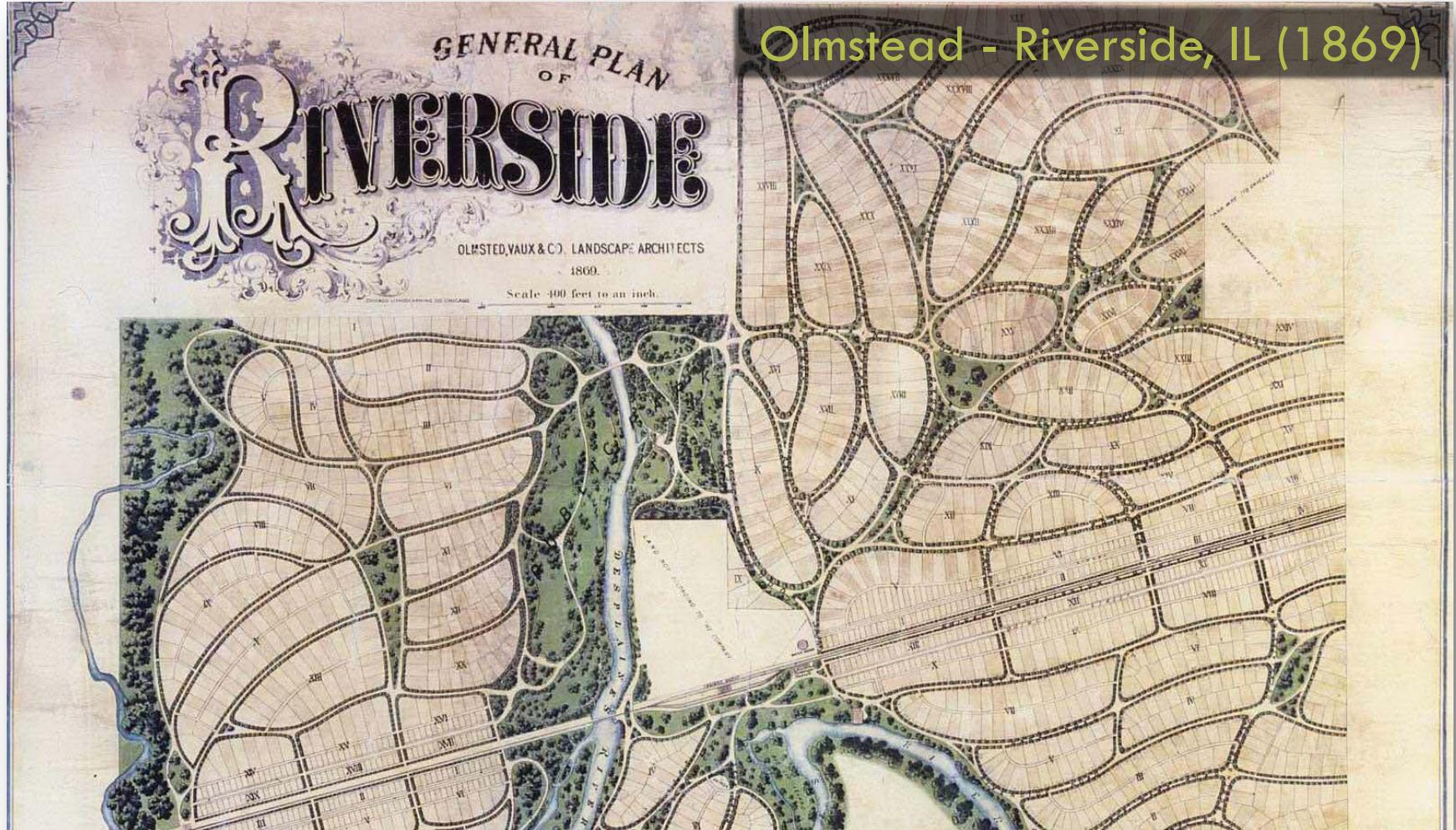


Pennsylvania Avenue – Lombardy Poplar (1824)

L'Enfant's Plan for Washington, DC (1791) called for  
trees on both sides of the main avenues

# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

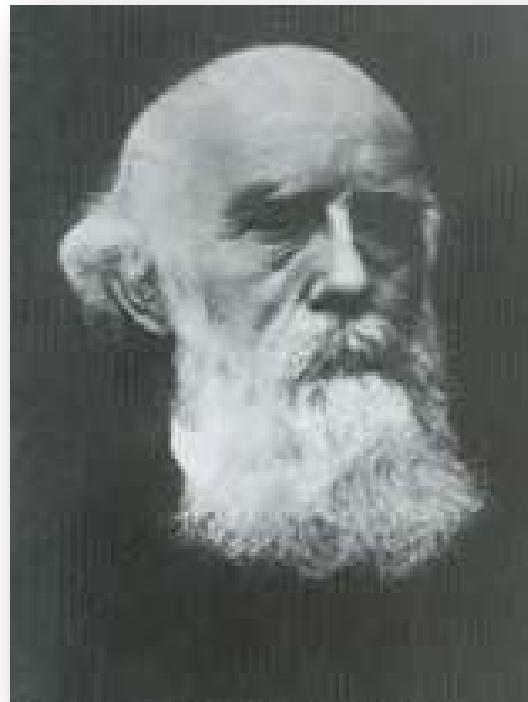


# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

Nathaniel Egleston

2nd Chief of USDA Forestry  
Division (1883-86)



VILLAGES AND VILLAGE LIFE

WITH

HINTS FOR THEIR IMPROVEMENT

BY

NATHANIEL HILLYER EGLESTON



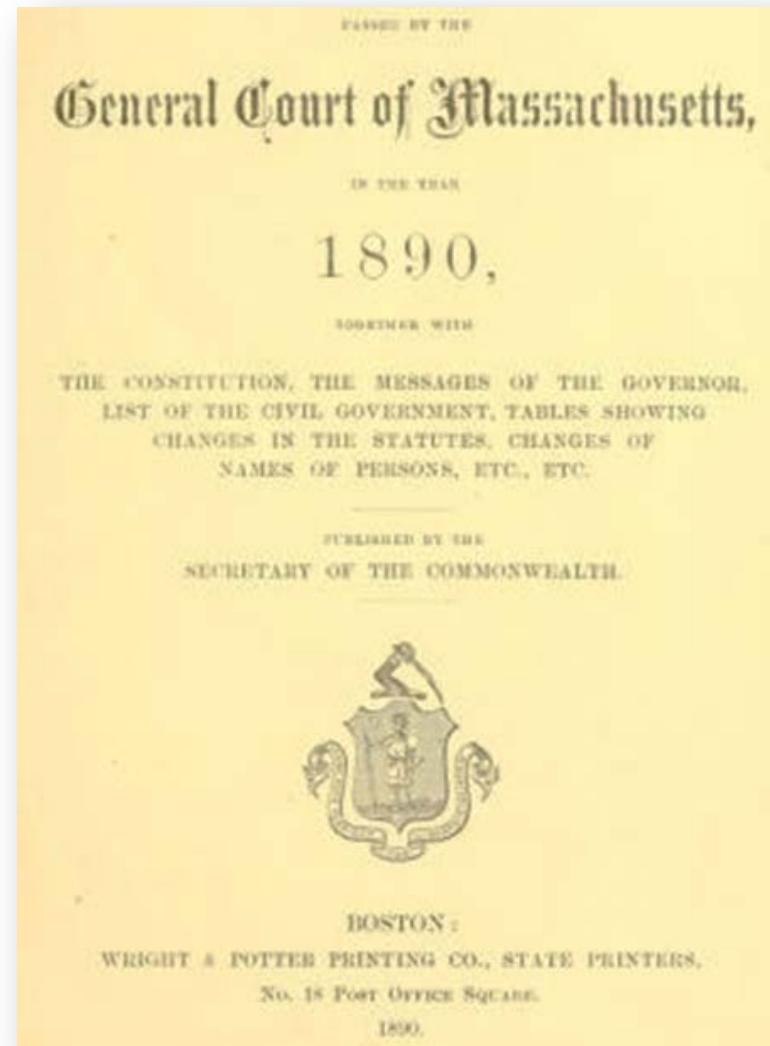
NEW YORK  
HARPER & BROTHERS, PUBLISHERS  
FRANKLIN SQUARE

1878

# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

Nail Laws enabled towns to distinguish which shade trees were public; MA (1890)



# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

Nail Laws enabled towns to distinguish which shade trees were public; MA (1890)

Method of designation.

AN ACT RELATIVE TO PRESERVING ORNAMENTAL AND SHADE TREES Chap.196  
ON THE HIGHWAYS.

*Be it enacted, etc., as follows:*

SECTION 1. The mayor and aldermen of the cities and the selectmen of the towns within the Commonwealth are hereby authorized to designate and preserve, as herein-

after provided in this act, trees within the limits of the highways for the purposes of ornament and shade; and to so designate not less than one such tree in every thirty-three feet where such trees are growing and are of a diameter of one inch or more.

SECTION 2. Said mayor and aldermen and selectmen shall, between the first day of September and the thirty-first day of December in each year, designate such trees as are selected by them for the purposes set forth in this act by driving into the same, at a point not less than four nor more than six feet from the ground and on the side toward the center of the highway, a nail or spike with a head with the letter M plainly impressed upon it; said nails and spikes to be procured and furnished by the secretary of the Commonwealth to said mayor and aldermen and selectmen as required by them for the purposes of this act. Said mayor and aldermen and selectmen, between the first day of September and the thirty-first day of December of each succeeding year, shall renew such of said nails and spikes as shall have been destroyed or defaced; and shall also designate, in the same manner as hereinbefore stated, such other trees as in their judgment should be so designated to carry out the requirements of this act.

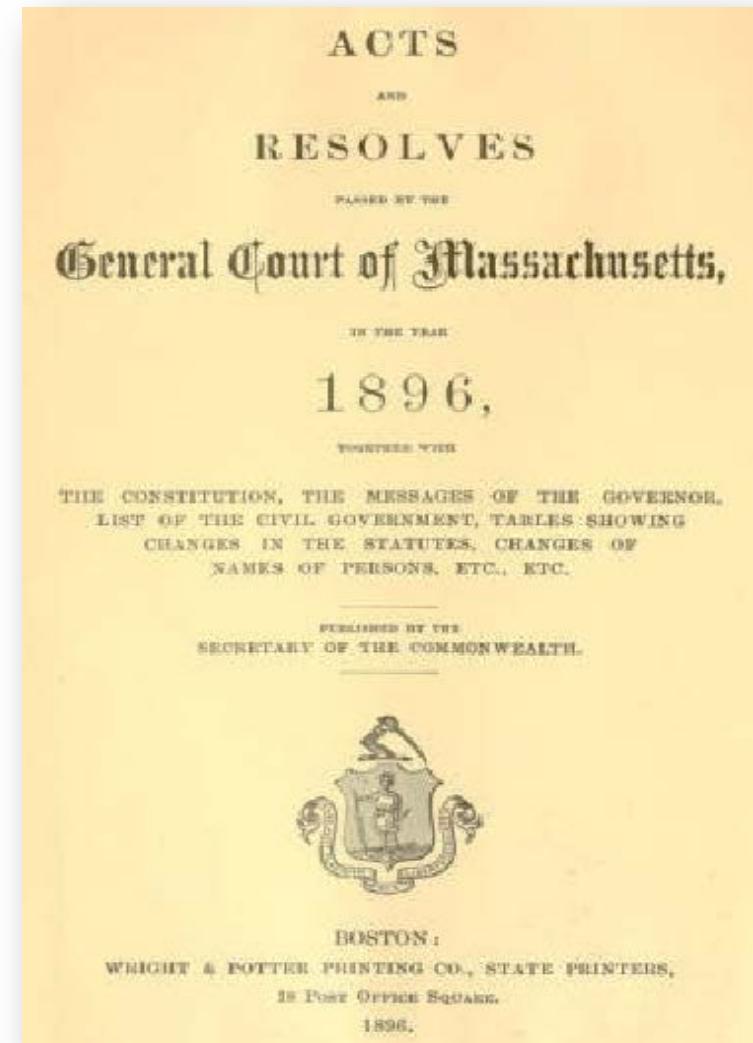
# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

Nail Laws enabled towns to distinguish which shade trees were public; MA (1890)

Tree Warden Laws enabled towns to appoint a warden to care for and protect public trees

Philadelphia hired Chief Forester John C. Lewis – might be the first professional urban forester in America by title.



# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

William Fox

NY Superintendent of  
State Forests



State of New York  
Forest, Fish and Game Commission

## Tree Planting On Streets and Highways

By  
William F. Fox  
Superintendent State Forests



ALBANY  
J. B. LYON COMPANY, PRINTERS  
1903

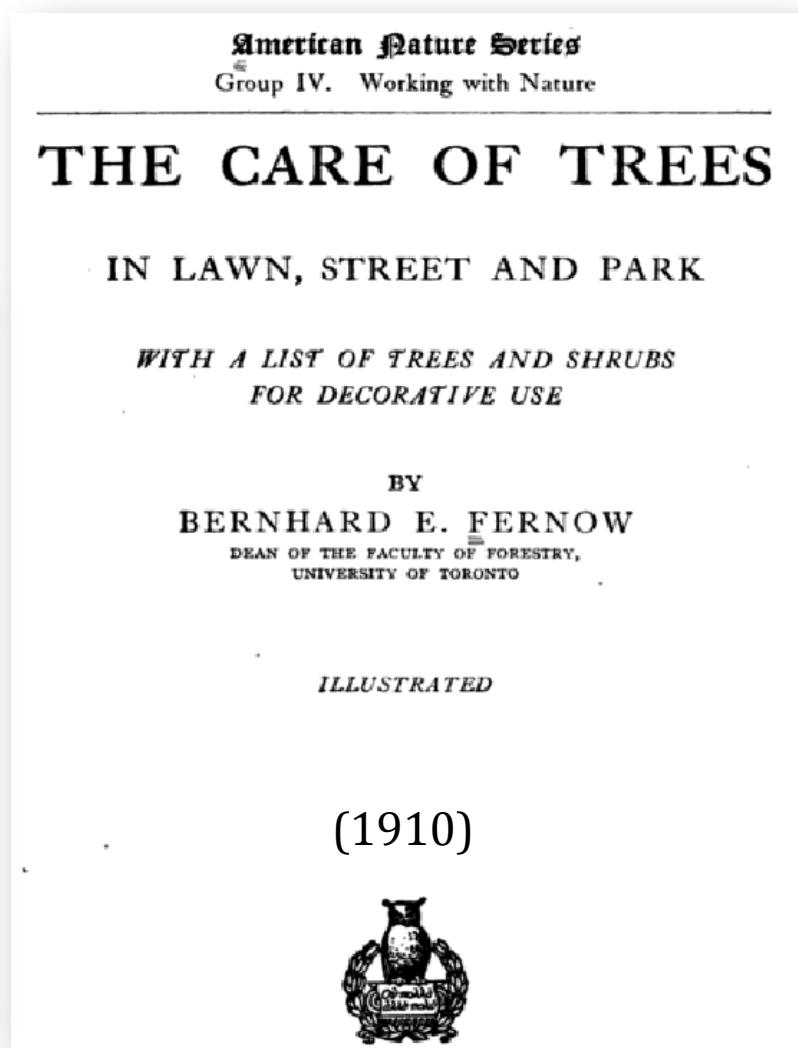
# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

Bernhard Fernald  
3rd Chief of USDA  
Forestry Division



[en.wikipedia.org](https://en.wikipedia.org)



# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

Bernhard Fernow

3rd Chief of USDA  
Forestry Division



en.wikipedia.org

## THE CARE OF TREES

### CHAPTER I

#### INTRODUCTORY



HIS book is not a sentimental effusion on the beauty and need of trees, but a compilation of information such as the owner of trees may be in search of.

Throughout our entire continent, especially in its more settled parts, and most of all in its cities, there has never before been such widespread interest as is now manifested in trees and tree-planting for shade and ornament. Although this kind of tree-planting has been quite assiduously practised in past generations, and although as a result we are the heirs of stately elms and oaks and maples, the necessity of greater care for this inheritance has only of late been fully realized. As a consequence, the "Tree Warden" and "City Forester" have become recognized institutions, and the statutes of several states for the protection of planted trees bear testimony to the popular sentiment, and to the conception that the care of public shade trees is a public duty.

Although with this awakened interest there has come forward a large amount of information regarding the care of trees, in the form of bulletins and essays, these generally confine themselves to some particular phase of the subject; a collective and more comprehensive manual, so far as the writer knows, is still lacking. It is to supply this gap that

# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management

1918 – Milwaukee, WI forestry program begins when Otto W. Spidel is hired as city forester with a salary of \$2,025 and a budget of \$15,000



1925 – Green Bay, WI initiates first street tree planting program

1939 – Madison, WI street tree inventory conducted by Work Projects Administration (WPA)

Year	Trees Removed	Trees Serviced	Stumps Removed	Trees Planted by City	Trees Planted by Private	Plantings from Trees and Plant Com.	Plantings from Other Sources	Replacements	Permits of Various Kinds	Number of Telephone Callers	Transactions
1931	16	35	1300	1	4	0	0	0	0	0	0
1932	70	83	1000	32	11	0	3	63	0	0	0
1933	208	296	9	92	81	1	6	203	1650	734	0
1934	269	222	25	64	84	7	13	628	3200	1145	0
1935	329	243	31	56	105	32	0	623	3500	1350	0
1936	758	1180	12	3	447	88	38	1032	4600	2100	0
Total	1859	2059	2377	247	732	128	80	2449	12250	5329	0

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Americans developed concepts of design and management

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# BRIEF HISTORY OF STREET TREES

Americans developed concepts of design and management



Eric Jorgensen (l) and graduate student Bill Morsink (r)

“A specialized branch of forestry that has as its objectives the cultivation and management of trees for their present and potential contribution to the physiological, sociological and economic well-being of urban society.” ~ Jorgensen (1967)

## 16 USC Chapter 41 - COOPERATIVE FORESTRY ASSISTANCE

### (c) General authority

The Secretary is authorized to provide financial, technical, and related assistance to State foresters or equivalent State officials for the purpose of encouraging States to provide information and technical assistance to units of local government and others that will encourage cooperative efforts to plan urban forestry programs and to plant, protect, and maintain, and utilize wood from, trees in open spaces, greenbelts, roadside screens, parks, woodlands, curb areas, and residential developments in urban areas. In providing such assistance, the Secretary is authorized to cooperate with interested members of the public, including nonprofit private organizations. The Secretary is also authorized to cooperate directly with units of local government and others in implementing this section whenever the Secretary and the affected State forester or equivalent State official agree that direct cooperation would better achieve the purposes of this section.

### (d) Program of education and technical assistance

The Secretary, in cooperation with State foresters and State extension directors or equivalent State officials and interested members of the public, including nonprofit private organizations, shall implement a program of education and technical assistance for urban and community forest resources. The program shall be designed to—

- (1) assist urban areas and communities in conducting inventories of their forest resources, including inventories of the species, number, location, and health of trees in urban areas and communities, identifying opportunities for the establishment of plantings for the purposes of conserving energy, and determining the status of related resources (including fish and wildlife habitat, water resources, and trails);

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# TOUR OF STREET TREE ASSESSMENT WEBSITE

urbanforestry.frec.vt.edu/streets/index.html

## Virginia Street Tree Assessment Project *An application of i-Tree Streets*

[HOME](#) [LOCALITY REPORTS](#) [RESOURCES](#) [ASSESS YOUR TREES](#) [COLLABORATORS](#) [ABOUT US](#)

### Welcome!

The Virginia Street Tree Assessment Project is a collaboration between the Virginia Tech Department of Forest Resources & Environmental Conservation and the Virginia Department of Forestry. The goal of this project is to improve our understanding of the abundance, composition, and benefits of municipal street trees throughout the Commonwealth. Since 2008, project collaborators have partnered with over twenty Virginia municipalities to inventory and assess their street trees.

**Why Street Trees?**

Street trees are arguably the most vital component of the public urban forest. Typically situated in the public right-of-way between the edge of roadway pavement and adjacent private property, these trees can provide a range of important social, economic, and environmental benefits, including:

- Safer and more comfortable walking environments
- Reduced urban traffic speeds
- Greater shopping and tourism activity
- Increased real estate value
- Longer pavement life
- Less stormwater runoff
- Lower air temperatures and energy costs



**Links**

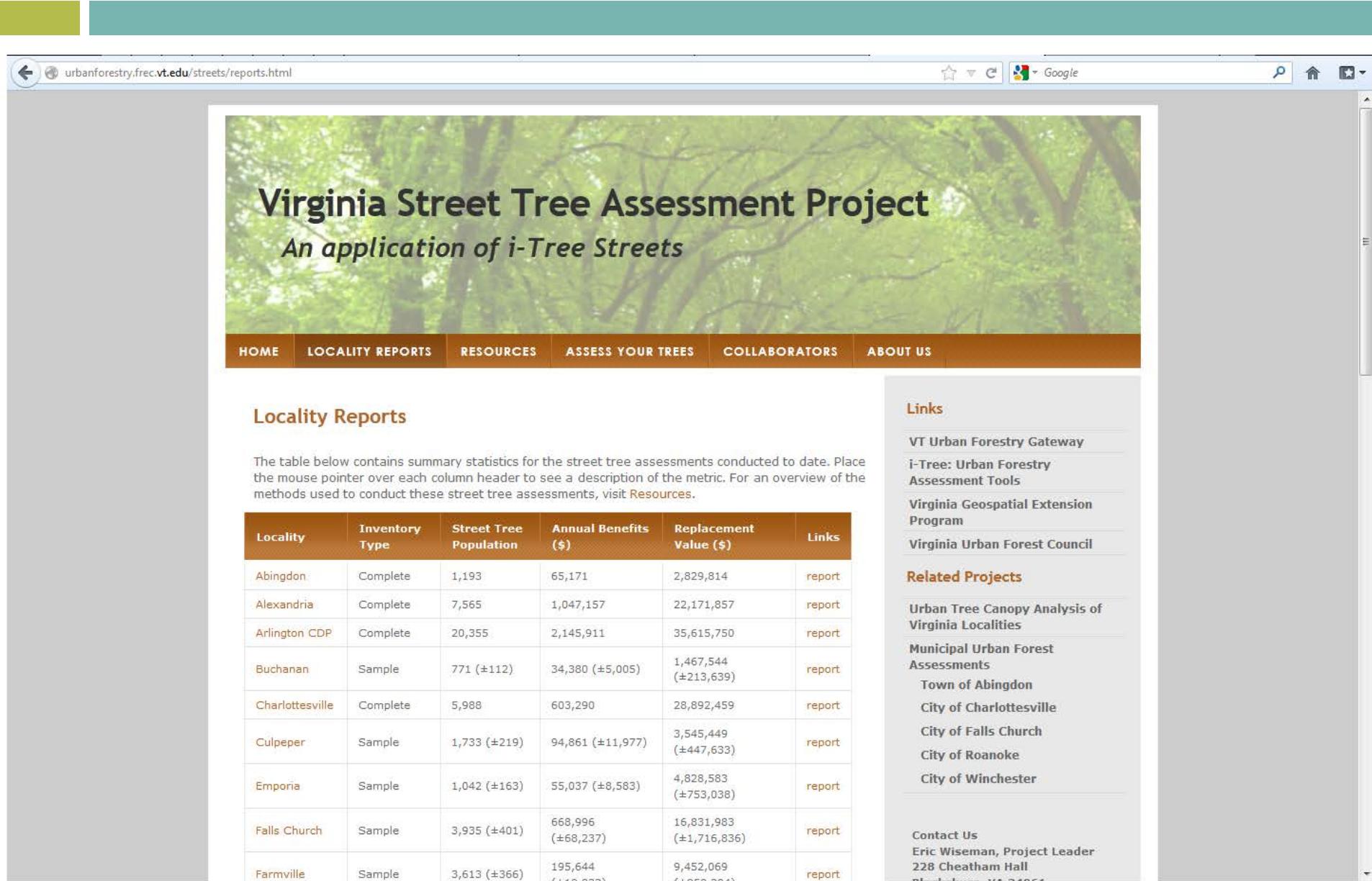
[VT Urban Forestry Gateway](#)  
[i-Tree: Urban Forestry Assessment Tools](#)  
[Virginia Geospatial Extension Program](#)  
[Virginia Urban Forest Council](#)

**Related Projects**

[Urban Tree Canopy Analysis of Virginia Localities](#)  
[Municipal Urban Forest Assessments](#)  
[Town of Abingdon](#)  
[City of Charlottesville](#)  
[City of Falls Church](#)  
[City of Roanoke](#)  
[City of Winchester](#)

**Contact Us**  
Eric Wise, Project Leader  
228 Cheatham Hall  
Blacksburg, VA 24061

# TOUR OF STREET TREE ASSESSMENT WEBSITE



The screenshot shows a web browser displaying the Virginia Street Tree Assessment Project website. The header features a large green bar with the title "Virginia Street Tree Assessment Project" and "An application of i-Tree Streets". Below the header is a navigation menu with links to HOME, LOCALITY REPORTS, RESOURCES, ASSESS YOUR TREES, COLLABORATORS, and ABOUT US. The main content area displays a table of locality reports for various towns and cities in Virginia. The sidebar contains links to related projects and contact information.

**Virginia Street Tree Assessment Project**  
*An application of i-Tree Streets*

[HOME](#) [LOCALITY REPORTS](#) [RESOURCES](#) [ASSESS YOUR TREES](#) [COLLABORATORS](#) [ABOUT US](#)

### Locality Reports

The table below contains summary statistics for the street tree assessments conducted to date. Place the mouse pointer over each column header to see a description of the metric. For an overview of the methods used to conduct these street tree assessments, visit Resources.

Locality	Inventory Type	Street Tree Population	Annual Benefits (\$)	Replacement Value (\$)	Links
Abingdon	Complete	1,193	65,171	2,829,814	<a href="#">report</a>
Alexandria	Complete	7,565	1,047,157	22,171,857	<a href="#">report</a>
Arlington CDP	Complete	20,355	2,145,911	35,615,750	<a href="#">report</a>
Buchanan	Sample	771 ( $\pm 112$ )	34,380 ( $\pm 5,005$ )	1,467,544 ( $\pm 213,639$ )	<a href="#">report</a>
Charlottesville	Complete	5,988	603,290	28,892,459	<a href="#">report</a>
Culpeper	Sample	1,733 ( $\pm 219$ )	94,861 ( $\pm 11,977$ )	3,545,449 ( $\pm 447,633$ )	<a href="#">report</a>
Emporia	Sample	1,042 ( $\pm 163$ )	55,037 ( $\pm 8,583$ )	4,828,583 ( $\pm 753,038$ )	<a href="#">report</a>
Falls Church	Sample	3,935 ( $\pm 401$ )	668,996 ( $\pm 68,237$ )	16,831,983 ( $\pm 1,716,836$ )	<a href="#">report</a>
Farmville	Sample	3,613 ( $\pm 366$ )	195,644	9,452,069	<a href="#">report</a>

**Links**

[VT Urban Forestry Gateway](#)  
[i-Tree: Urban Forestry Assessment Tools](#)  
[Virginia Geospatial Extension Program](#)  
[Virginia Urban Forest Council](#)

**Related Projects**

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[Municipal Urban Forest Assessments](#)  
[Town of Abingdon](#)  
[City of Charlottesville](#)  
[City of Falls Church](#)  
[City of Roanoke](#)  
[City of Winchester](#)

**Contact Us**  
Eric Wiseman, Project Leader  
228 Cheatham Hall  
Blacksburg, VA 24061

# TOUR OF STREET TREE ASSESSMENT WEBSITE

urbanforestry.frec.vt.edu/streets/reports.html

Winchester Sample 8,990 ( $\pm 774$ ) 980,731 ( $\pm 84,400$ ) 33,228,972 ( $\pm 2,859,631$ ) report

Wytheville Sample 6,159 ( $\pm 674$ ) 425,963 ( $\pm 46,614$ ) 17,487,620 ( $\pm 1,913,702$ ) report

Click the place marks to learn more about that locality's urban forest

Details Basemap

+

-

MARYLAND Baltimore

WEST VIRGINIA Charleston

Harrisonburg Staunton

IRGINIA Lynchburg Richmond

Blackburg Norfolk

0 30 60mi

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View Larger Map

VIRGINIA DEPARTMENT OF FORESTRY

Forest Resources & Environmental Conservation

U.S. FOREST SERVICE U.S. DEPARTMENT OF AGRICULTURE

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Design by: styleshout and S.B. Gugercin

# TOUR OF STREET TREE ASSESSMENT WEBSITE

The screenshot shows a web browser window with the URL [urbanforestry.frec.vt.edu/streets/treeselection.html](http://urbanforestry.frec.vt.edu/streets/treeselection.html) in the address bar. The page title is "Virginia Street Tree Assessment Project" with the subtitle "An application of i-Tree Streets". Below the title is a navigation menu with links to HOME, LOCALITY REPORTS, RESOURCES, ASSESS YOUR TREES, COLLABORATORS, and ABOUT US. The main content area features four sections: "Tree Selection Tools" (with links to Virginia Urban Street Tree Selector, SelecTree, Northern Trees, and Selecting Trees for Your Home), "Links" (with links to VT Urban Forestry Gateway, i-Tree: Urban Forestry Assessment Tools, Virginia Geospatial Extension Program, and Virginia Urban Forest Council), and "Related Projects" (with links to Urban Tree Canopy Analysis of Virginia Localities, Municipal Urban Forest Assessments, Town of Abingdon, City of Charlottesville, City of Falls Church, City of Roanoke, and City of Winchester). The footer contains contact information for Eric Wiseman, Project Leader, 228 Cheatham Hall, Virginia Tech.

urbanforestry.frec.vt.edu/streets/treeselection.html

Virginia Street Tree Assessment Project  
An application of *i-Tree Streets*

HOME LOCALITY REPORTS RESOURCES ASSESS YOUR TREES COLLABORATORS ABOUT US

**Tree Selection Tools**

Virginia Tech's **Virginia Urban Street Tree Selector**: 7 selection criteria and 74 candidate species, focused specifically on urban street trees.

Urban Forest Ecosystem Institute's **SelecTree**: an interactive program designed to match specific tree species to particular sites based on compatible characteristics. SelecTree presently searches a database of 1,481 candidate species and provides 49 selection criteria to choose from.

Rutgers and University of Florida's **Northern Tree Selector**: this tool provides 50 selection criteria and searches 976 candidate species. It is for the northeast US, zones 2-7.

The University of Illinois Extension's **Selecting Trees for Your Home**: 9 selection criteria and 121 candidate species.

Utah State University's **Tree Browser**: browse 242 trees by 21 characteristics including growth,

**Links**

- VT Urban Forestry Gateway
- i-Tree: Urban Forestry Assessment Tools
- Virginia Geospatial Extension Program
- Virginia Urban Forest Council

**Related Projects**

- Urban Tree Canopy Analysis of Virginia Localities
- Municipal Urban Forest Assessments
- Town of Abingdon
- City of Charlottesville
- City of Falls Church
- City of Roanoke
- City of Winchester

Contact Us  
Eric Wiseman, Project Leader  
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Virginia Tech

# TOUR OF STREET TREE ASSESSMENT WEBSITE

The screenshot shows a web browser displaying the Virginia Street Tree Assessment Project website. The header features a large banner image of trees and the text "Virginia Street Tree Assessment Project" and "An application of i-Tree Streets". Below the banner is a navigation menu with links to HOME, LOCALITY REPORTS, RESOURCES, ASSESS YOUR TREES, COLLABORATORS, and ABOUT US. The main content area includes sections for "Assess your Trees", "On your own", "Curious about the benefits that your tree provides?", "Open Tree Map", and "Partner with us". To the right, there is a sidebar titled "Links" containing links to various related projects and resources. At the bottom, there is a "Contact Us" section.

urbanforestry.freec.vt.edu/streets/assessyourtrees.html

**Virginia Street Tree Assessment Project**  
*An application of i-Tree Streets*

HOME LOCALITY REPORTS RESOURCES ASSESS YOUR TREES COLLABORATORS ABOUT US

**Assess your Trees**

On your own

Want to do a tree assessment in your own neighborhood or community? [Click here to learn more about i-Tree, a free software tool.](#)

Curious about the benefits that your tree provides? Try out the [National Tree Benefit Calculator](#).

Open Tree Map enables individuals, organizations, and governments to search and contribute to a collaborative, interactive, and dynamic map of a community's tree population.

Partner with us

Does your municipality have street tree data that you would like to contribute to this project?

**Links**

- VT Urban Forestry Gateway
- i-Tree: Urban Forestry Assessment Tools
- Virginia Geospatial Extension Program
- Virginia Urban Forest Council

**Related Projects**

- Urban Tree Canopy Analysis of Virginia Localities
- Municipal Urban Forest Assessments
  - Town of Abingdon
  - City of Charlottesville
  - City of Falls Church
  - City of Roanoke
  - City of Winchester

**Contact Us**

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[www.vt.edu/urbanforestry](http://www.vt.edu/urbanforestry)

# TOUR OF STREET TREE ASSESSMENT WEBSITE

The screenshot shows a web browser window with the URL [urbanforestry.frec.vt.edu/streets/collaborators.html](http://urbanforestry.frec.vt.edu/streets/collaborators.html). The page has a dark blue header with the title "STREET TREE ASSESSMENT". Below the header is a navigation bar with links: HOME, LOCALITY REPORTS, RESOURCES, ASSESS YOUR TREES, COLLABORATORS (which is highlighted in orange), and ABOUT US.

**Virginia Tech**

Principals	Field Technicians
Eric Wiseman, Ph.D.– Project Leader	Andrew Benjamin
John McGee, Ph.D.– Co-Investigator	Jordan Endahl
Jen McKee– GIS Technical Advisor	Danielle Gift
Sarah Gugercin–website and design	Cindy Green
Post Doc	Jeannette Hoffman
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Graduate Students	Dustin Mays
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Tyler Wright	John Peterson
	Mike Webb

**Virginia Department of Forestry**

Chris Asaro, Ph.D.– Forest Health  
Barbara White– Urban and Community Forestry

**Davey Tree Expert Company**

Al Zelaya– Davey Expert and Urban Forester  
Scott Maco– Research Urban Forester

**Links**

- [VT Urban Forestry Gateway](#)
- [i-Tree: Urban Forestry Assessment Tools](#)
- [Virginia Geospatial Extension Program](#)
- [Virginia Urban Forest Council](#)

**Related Projects**

- [Urban Tree Canopy Analysis of Virginia Localities](#)
- [Municipal Urban Forest Assessments](#)
- [Town of Abingdon](#)
- [City of Charlottesville](#)
- [City of Falls Church](#)
- [City of Roanoke](#)
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