

# Spring 2024 – i-Tree Open Academy

## Session 2: Online with MyTree, i-Tree Design, and i-Tree Planting



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# i-Tree Open Academy

## 2024

### Session 2: Tools for Individual Trees

*Online with MyTree, i-Tree Planting, and i-Tree Design*

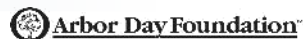
*March 27, 2024*

*1:00pm Eastern Time*

*Davey Institute/USDA Forest Service*




*i-Tree is a  
Cooperative  
Initiative  
among these  
partners*



# Accessing the Science of Tree Benefits

- 🌳 [www.itreetools.org](http://www.itreetools.org)
- 🌳 Session 1 now online!
- 🌳 Exercises available
- 🌳 Use Chat for questions
- 🌳 Certificates of completion available after Academy close






**The trees around you:**  
remove hazardous pollutants from the air you breathe, absorb carbon dioxide from the air to store as wood, and control storm water by intercepting and absorbing rainfall.




Trees provide more than just beauty and shade.

They work hard for all of us, every day!  
Click here to learn more.

**Tools for assessing individual trees**

	<p><b>MyTree</b> Are you new to i-Tree? Start with our EASIEST tool! MyTree helps you quickly assess individual trees with a minimum of fuss. <i>web browser or Android / Apple devices; Learn How to use it!</i></p>
	<p><b>i-Tree Design</b> A full-featured web tool with expanded building interactions and forecasting for estimating the benefits of individual trees. <i>via your web browser; Learn How to use it!</i></p>
	<p><b>i-Tree Eco</b> Eco is our flagship tool that accommodates tree inventory IMPORT or field data evaluation to derive individual tree benefit estimates. <i>requires installation on a Windows PC; Learn How to use it!</i></p>

**Tree canopy area assessment tools**

	<p><b>OurTrees</b> Beta release: Quick tree canopy and related information for your community within the continental US! <i>web browser or Android / Apple devices</i></p>
	<p><b>i-Tree Landscape</b> US tree canopy and Census maps/data at your fingertips! Identify priority planting &amp; protection areas for climate &amp; social issues. <i>via your web browser; Learn How to use it!</i></p>
	<p><b>i-Tree Canopy</b> From your chair, easily estimate land cover and tree canopy plus benefits using random point sampling on aerial imagery. <i>via your web browser; Learn How to use it!</i></p>

[More tools...](#)

**i-Tree is for everyone.**

These are free tools and free support for students of all levels, homeowners, community advocates, sustainability officers, urban foresters, and more!

## i-Tree Open Academy - Spring 2024

### Register Here

#### What:

The i-Tree Open Academy virtual learning series is back for spring of 2024, with everything you need to explore the latest from the i-Tree suite of tools. Whether your work with trees involves planting, managing, funding, educating, or beyond - i-Tree can help you better understand the benefits that trees provide, the impacts of where those benefits are, and how to apply that science to your project goals.

#### Who:

This seminar-style offering will serve as both a refresher and an introduction to the newest tools and features, with one-hour virtual sessions over a six-week period. There is no fee for the Academy, and you can join all live sessions, or select those that meet your schedule and interests. Register by filling out the [participant form](#).

We will be offering continuing education credits (CEUs) for both the International Society of Arboriculture (ISA) and the New Jersey state Urban and Community Forestry program. One CEU is available for each of the live sessions attended.

#### How:

All sessions will be streamed live via this [Microsoft Teams link](#). They will also be recorded and posted below as well as on the [i-Tree YouTube channel](#), so that you can catch up on anything you missed. There are no requirements for this course, and there will be self-directed exercises that you can use to gain experience using the tools. You are encouraged to submit any questions related to the course via [info@itreetools.org](mailto:info@itreetools.org), and there will be opportunities to ask questions during certain live sessions and office hours.

#### When:

Each session is one hour long and offered Wednesdays at 1:00 pm (Eastern US time). Note: Office hours days and times may vary.

- **March 20th – Introduction to i-Tree.** Understand the basic science of i-Tree and the USFS research behind it. Explore the relationships between the i-Tree tools and the data they provide. Start to consider which i-Tree tools will be best for the application you have in mind.
  - Video Recording
  - Presenter Slides
  - Self-Directed Exercise - Session 1
  - Q&A
- **March 27th – Online with MyTree, i-Tree Design, and i-Tree Planting.** Explore the easiest to use online i-Tree tools for individual trees. Get a better sense of their advantages and most common uses.
  - Video Recording
  - Presenter Slides
  - Self-Directed Exercise - Session 2

# i-Tree Website Resources



- [www.itreetools.org](http://www.itreetools.org)
- Access to all tools
- Methodologies and How-To Resources
- See projects that use i-Tree and learn how to get help

← → ↻ 🏠 🔒 itreetools.org

i-Tree ABOUT ALL TOOLS

### When:

Each session is one hour long and offered Wednesday at 1:00 pm (Eastern US time). Note: Office hours days and times may vary.

- **August 2nd – Introduction to i-Tree.** Understand the basic science of i-Tree and the USFS research behind it. Explore the relationships between the i-Tree tools and the data they provide. Start to consider which i-Tree tools will be best for the application you have in mind.
  - Video recording
  - Presenter slides
  - Self-directed exercise - Session 1
  - Q&A
- **August 9th – Online with MyTree, i-Tree Design, and i-Tree Planting.** Explore the easiest to use online i-Tree tools for individual trees. Get a better sense of their advantages and most common uses.
- **August 16th – The view from the top: i-Tree Canopy and OurTrees.** You can't manage your forest resource unless you know what you have. Get an estimate of tree canopy cover for any area or monitor change with a few hours of image analysis. Or save your mouse clicks and see if a quick visit to OurTrees will get you what you need.
- **August 25th - Open office hours.** No slides or presentations just an informal opportunity to have your i-Tree questions answered. 1:00 Eastern, US.
- **August 30th – i-Tree Landscape: Your data, maps, and equity portal.** With dozens of layers covering a wide range of geographies it is easy to get lost in Landscape. This session will keep you on track to finish with a map of tree benefits and priority areas within your community.
- **September 6th – i-Tree Eco the flagship tool.** i-Tree Eco is where the latest science goes first. It is a large flexible tool that can't be covered in a single session. We'll help you decide if Eco is right for you and let you know where to go to learn more.
- **September 7th - Open office hours.** No slides or presentations just an informal opportunity to have your i-Tree questions answered. 1:00 Eastern, US.
- **September 13th – Putting i-Tree to Work.** Take a whirlwind tour through the many ways that i-Tree can be used to further your tree initiatives. Get inspired and make a plan to put i-Tree to work for you.

Since 2006, i-Tree has been a cooperative, public/private partnership between the USDA Forest Service, Davey Tree Expert Company, The Arbor Day Foundation, Society of Municipal Arborists, International Society of Arboriculture, Casey Trees, and SUNY College of Environmental Science and Forestry.  
i-Tree is a registered trademark.

absorb carbon dioxide from the air  
to store as wood,  
and control storm water by

**i-Tree Eco**  
Eco is our flagship tool that accommodates tree inventory IMPORT or field data evaluation to derive **individual tree** benefit estimates.

advanced

## Support

i-Tree helps people understand the benefits that trees provide and our support team provides free support in using the tools, understanding the science (and pointing the way to training).

**Overview** the support we provide. For new users, here is a handy

### Learn to use the i-Tree

- Video learning
- Manuals, Guides, and Workbooks
  - Project Planning and
- Teaching

### i-Tree Academy and Learning

- i-Tree Open Academy Sessions
- i-Tree Open Academy Spreadsheets, watching and reviewing
- i-Tree for Funding Opportunities
  - **Urban and Community Forestry** 8th and 10th. All sessions
- About the Domestic i-Tree
  - Capstone Project Reports

### Understand the science

- **Understanding i-Tree** future goals, and opportunities. leader with the USDA Forest Service (2021).
  - US Forest Service website
- Additional Methods Documentation
- Software and Science Change Logs

## Support Overview

There are several options for seeking help with i-Tree, including:

- i-Tree System Requirements for Installing i-Tree
- Video Learning
- i-Tree Manuals, Guides, and Workbooks
- International Use of i-Tree

Individuals interested in using i-Tree applications should visit the Notes section of the website and refer to documentation.

### Reporting Technical Problems

If you are having a problem with an i-Tree application, contact our support team for assistance:

- i-Tree application and version that you are using
- Computer and system information such as operating system, browser, and screen resolution
- A description of the problem encountered
- Screen captures (Ctrl + Print screen) and screenshots
- We may ask you to send us a copy of your workbooks

### International Technical Support

The expansion of i-Tree application use internationally has led to international technical support questions. This page provides information on application function and challenges of adapting i-Tree to international technical support and suggest additional resources.

### Feedback Page

The i-Tree Feedback Page is a quick webform to provide feedback about your projects.

### User Forum

The i-Tree User Forum is a moderated discussion board where users can communicate experiences and view frequently asked questions. The Forum requires registration, which is separate from i-Tree. New Forum registrations require administrative approval. If your account is not activated, you can still access our

## i-Tree Tools Resource Guide

This guide is intended to help new and experienced users to find the tools, guides, and other resources on the i-Tree Website that you need to help make your project a success.



### Find the tools

The core tools are all available directly on the homepage [www.itreetools.org](http://www.itreetools.org). This includes the tree assessment tools, [MyTree](#) and [i-Tree Design](#) as well as the canopy assessment tools [i-Tree Canopy](#) and [i-Tree Landscape](#). Beyond these web-based tools, you can also learn more about i-Tree Eco from the homepage or head directly to the [downloads](#) page to request your download link. For additional tools like [i-Tree Species](#) and [i-Tree Planting](#) visit the [All Tools](#) page.

### Learn to use the tools (for most of the web-based tools go to Menu>Help to find the "How to use" guide)

[Video walkthroughs](#) – Start by checking our learning videos to see if we have any videos to help you get started or complete specific tasks. You can also head to our [YouTube channel](#) for even more videos, including recorded webinars and presentations.

[Manuals, Guides, and Workbooks](#) – This page includes manuals for individual tools along with guides and workbooks to help you complete specific tasks like post-stratifying your i-Tree Eco project or looking up synonym species in the i-Tree database. Similar documentation in other languages can be found [here](#).

[Teaching with the tools](#) – We have a collection of curricula and teaching resources created by the i-Tree team and others.

### See how others have used the tools

[User's reports](#) – Reports shared with the i-Tree team from a variety of different applications of the i-Tree tools. Additional international reports in a variety of languages can be found [here](#).

[Project profiles](#) – For selected user's projects we have a deeper dive into how the project was used to change community perceptions and/or influence management strategies.

### Understand the science of i-Tree

[Understanding i-Tree](#) – This document is the starting point for all explorations of the science underlying the i-Tree models and estimates. It provides summary descriptions of all model workings and links to peer reviewed publications for additional details.

[Methods documentation](#) – A collection of many of the publications, white papers, and data sources representing the science of i-Tree, broken down by tool and topic.

[Software](#) and [Science](#) change logs – The i-Tree tools are continually updated with the latest research. Sometimes, the software is updated before the documentation can be added to the website. Check out the software and science change logs for the latest changes.

### For international i-Tree users

[International use](#) – Find information about the use of i-Tree outside the US. You can also find [reports](#) shared by international users and available [translated documentation](#) linked at the bottom of that page.

### Get support

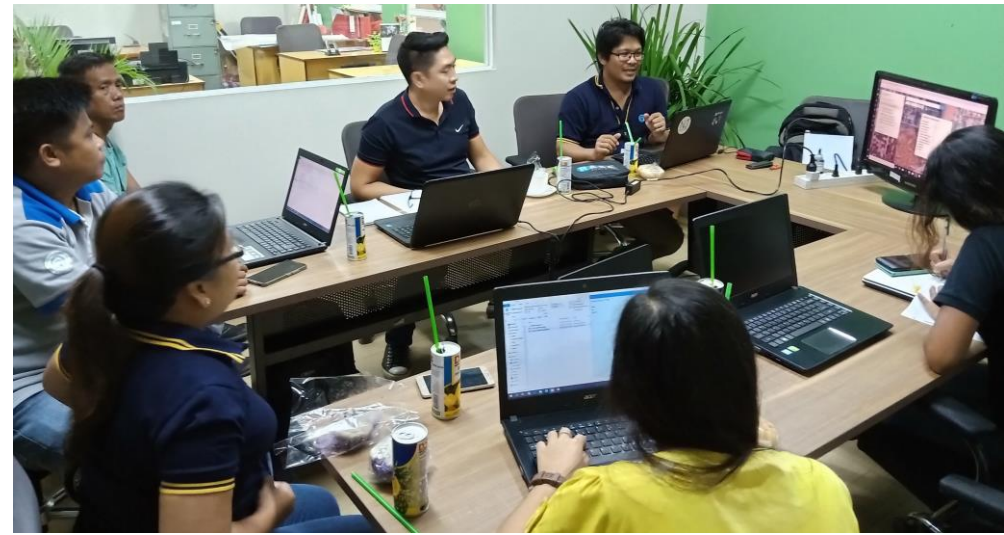
[Email us](#) – If you can't find the answers to your questions on the i-Tree website you can always reach our support team by emailing [info@itreetools.org](mailto:info@itreetools.org).

[Feedback form](#) – Use the feedback form if you have suggestions on how to improve the tools or if you would like to share your own project on the i-Tree website.

[User's Forum and FAQs](#) – If you have a question others could benefit from, or you think you may have stumbled across a common problem, feel free to post to or search the forum.

# Plan for today

1. Introduce the online tree tools
2. MyTree Demo
3. i-Tree Design Demo
4. i-Tree Planting Demo
5. Comparing the online tree tools



# The 2023 i-Tree Suite of Tools



## Core individual tree tools



## Core canopy tools



## Utilities



...

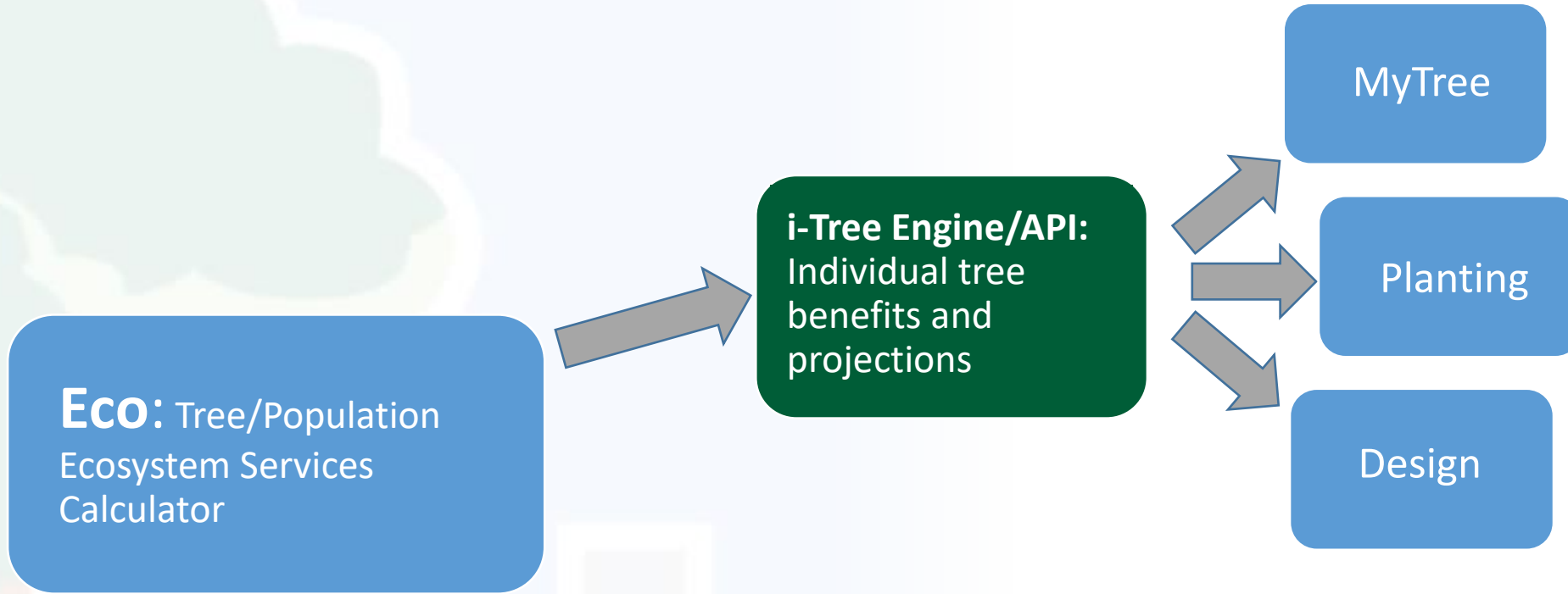
\* *i-Tree Tools that can be used internationally*



i-Tree is a Cooperative Initiative among these partners



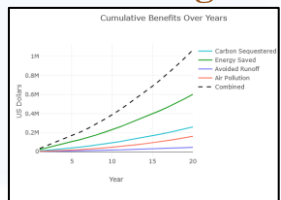
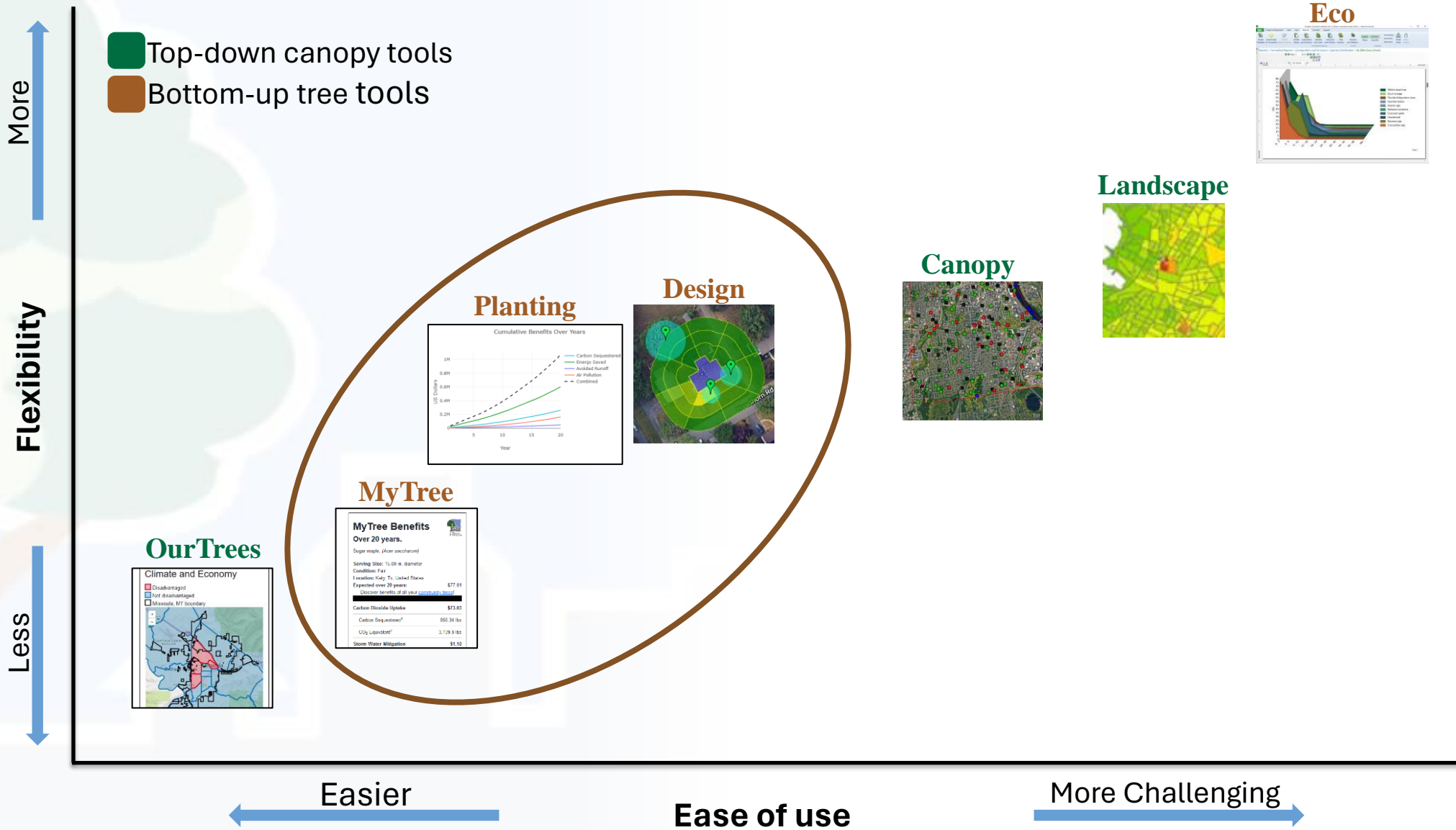
# i-Tree Tool Relationships



i-Tree is a Cooperative Initiative among these partners







**MyTree Benefits Over 20 years.**

Species: Sugar maple (Acer saccharum)

Species Size: 15.00 in. diameter

Condition: Fair

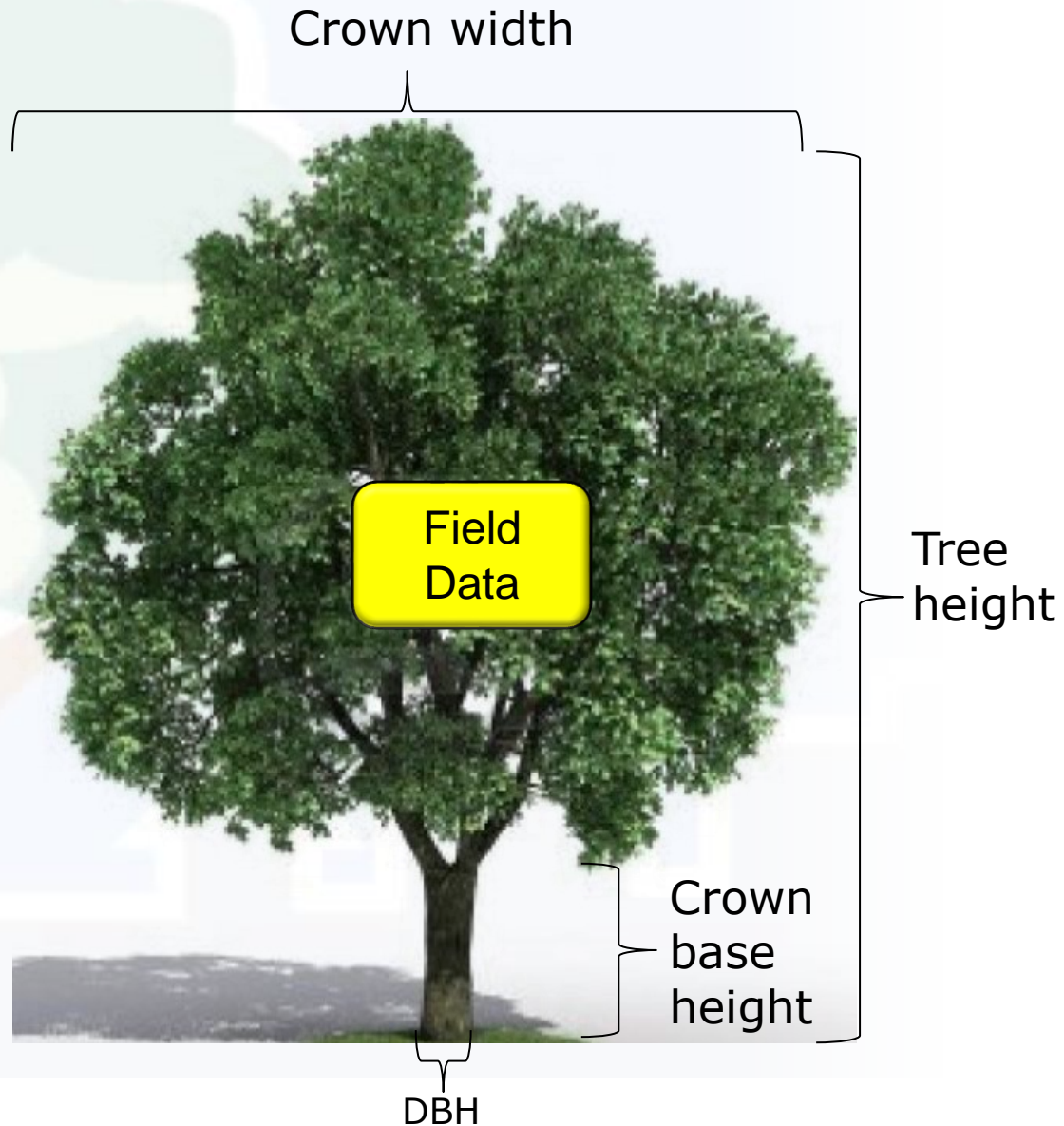
Location: 1000 N. Lakeshore

Expected over 20 years: \$77.01

Discover benefits of all your community trees!

Carbon Dioxide Uptake	\$73.03
Carbon Sequestration	655.34 lbs
CO <sub>2</sub> Equivalent	2,129.9 lbs
Storm Water Mitigation	\$1.10

# i-Tree model basics: data → tree benefits



## Key field variables

- DBH
- Species
- Crown measurements
- Tree health
- Building interactions
- Light availability

# Simple tools require simplifying assumptions

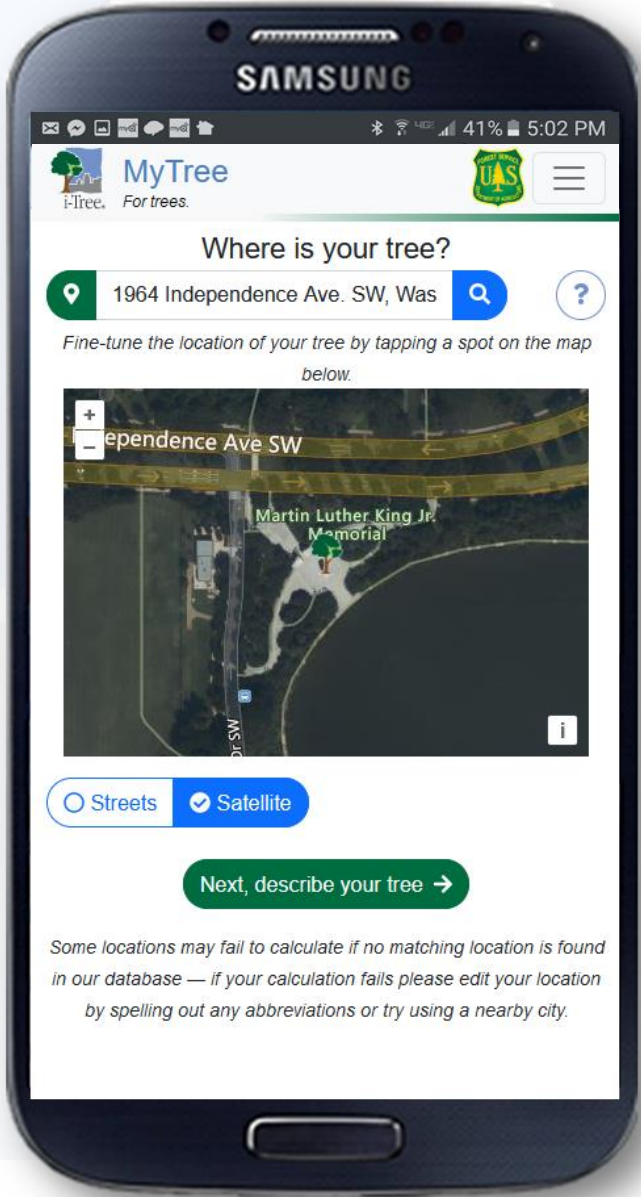
- Crown assumptions
- Less specific inputs
- Fewer outputs
- Mortality assumptions

## Key field variables

- DBH
- Species
- Crown measurements < **Modeled**
- Tree health < **Simplified**
- Building interactions < **Simplified**
- Light availability < **Simplified**



# Let's give MyTree a try



# MyTree: Common uses

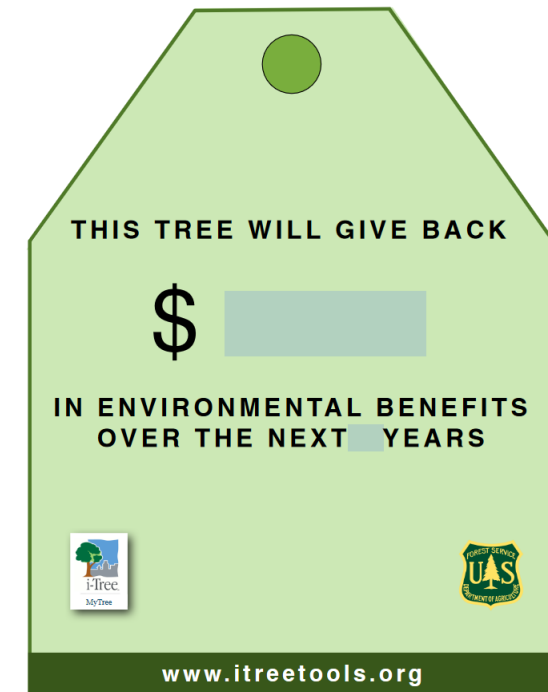
- Education
- Engagement
- Connect people to the benefits of the trees around them



[Photo Source: L. Paqueo 2022]



[Photo Source: J. Garden 2017]



# MyTree: Strengths and limitations

## Strengths

- Simple to use
- Created for mobile devices
- Easy to grasp outputs
- Quick
- 20 year projection

## Limitations

- No ability to save projects
- Not great for more than 10 trees
- No internet = no MyTree

## Potential Upcoming Features

- Mapping collected trees
- Support for group projects

# i-Tree Design

*Demonstrate the Value of Trees*

*Davey Institute/USDA Forest Service*



i-Tree is a  
Cooperative  
Initiative  
among these  
partners

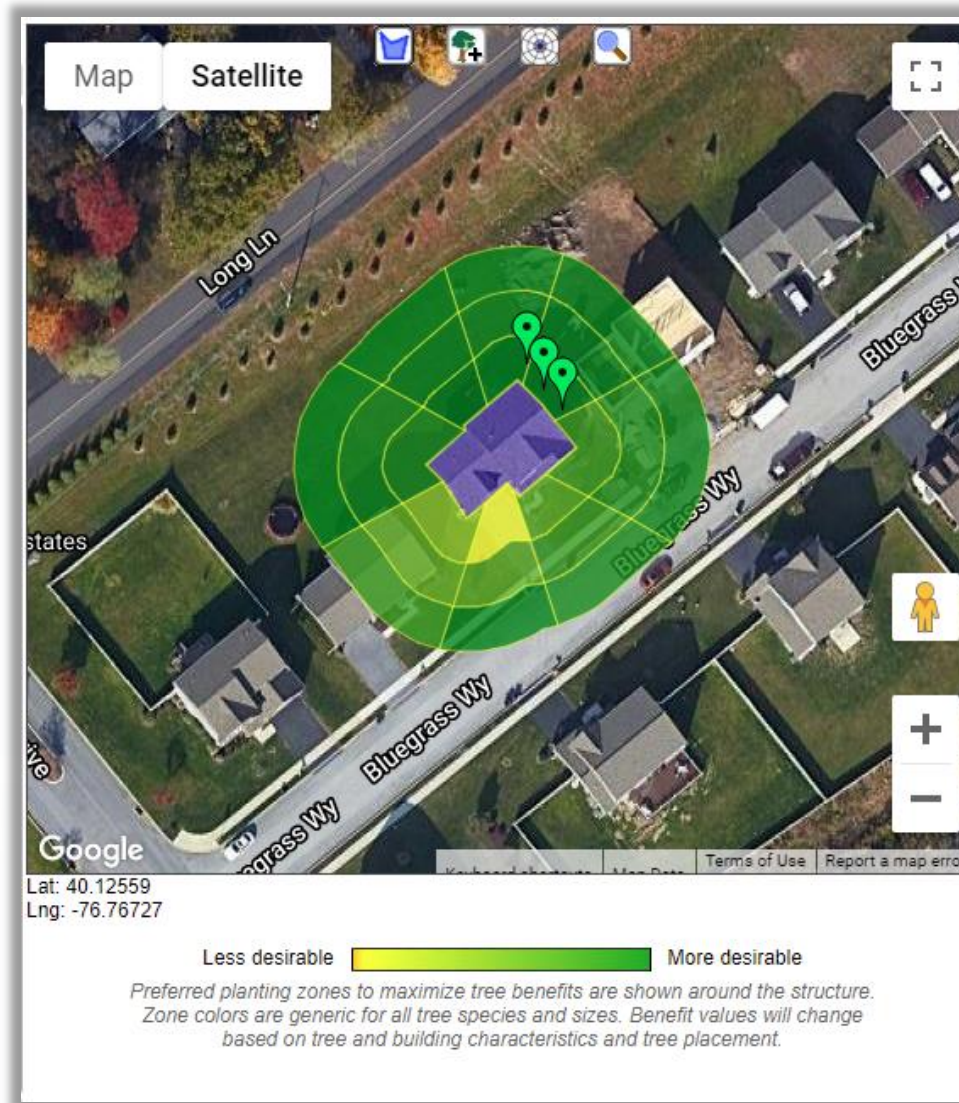


# i-Tree Design

## Features -

- 🌳 Accessible online
- 🌳 Easy to use, easy to edit
- 🌳 Estimates current year, benefits-to-date, and future benefits
- 🌳 Printable report summary

**Considerations** – Limited to smaller scale projects, benefits processing can be ...slow, can not export tree data





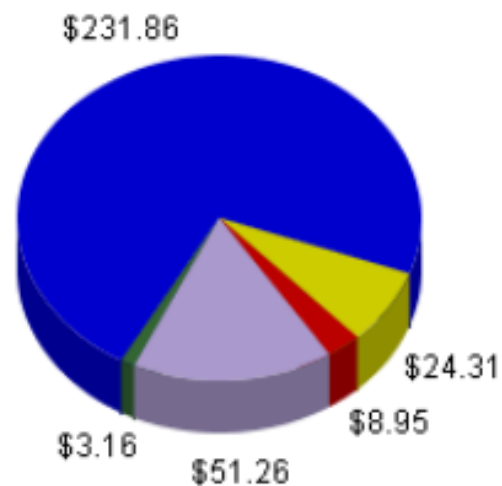
# i-Tree Design v7.0 considerations

- 🌳 Can be used on a tablet...but test it first
- 🌳 Reports can be printed or you can save and email a PDF document
- 🌳 Project saving and sharing is possible



# Provides Quantities and \$ Value of Tree Benefits

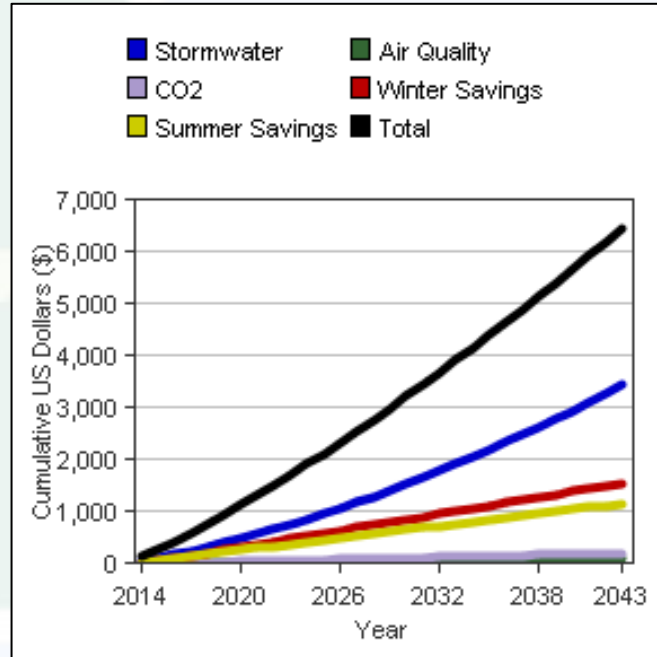
- 🌳 Estimates 4 core ecosystem services -
- CO<sub>2</sub> reduction
  - Air pollution removal
  - Stormwater interception & avoided runoff
  - Heating and cooling energy effects when trees are near buildings



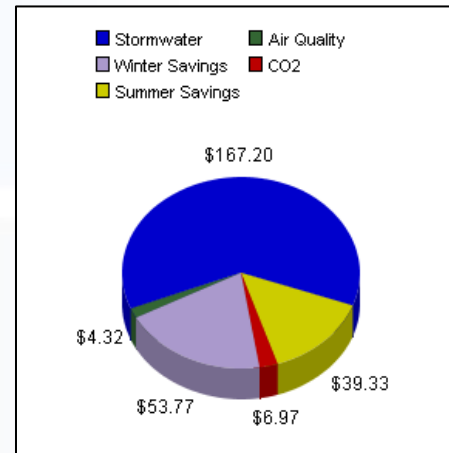
**Breakdown of tree benefits**

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

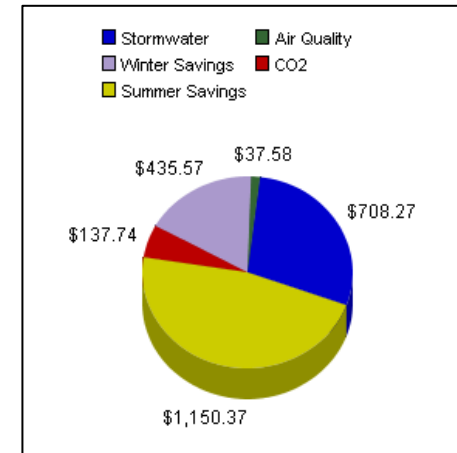
# Shows Trees Are an Investment



**\$6,476** worth of benefits over the next 30 years ...and growing



Benefits in 2044 = **\$272**



To date = **\$2,470**

# Advocate for Tree Care

🌳 Highlight gems, suggestions for overall health and diversity

[Start Over](#)  
[Return to Setup](#)  
[View Report](#)  
[Print](#)  
[Save Result](#)  
[About](#)

**i-Tree Design v7.0** York Haven, PA 17370, USA

Display results for: All Trees

[Overall Benefits](#) | [Stormwater](#) | [Energy](#) | [Air Quality](#) | [Carbon Dioxide](#)

**In 40 years, these trees will conserve 3,832.9 Kilowatt-hours of electricity and reduce consumption of heating fuel by 320 therms that year.**

Trees modify climate and conserve building energy use in three principal ways:

- Shading reduces the amount of heat absorbed and stored by buildings.
- Evapotranspiration of moisture by foliage reduces air temperatures.
- Trees slow down winds thereby reducing the amount of heat lost from a home.

Strategically placed trees can increase home energy efficiency. In summer, tree shading east and west walls generally keep buildings cooler. In winter, allowing the sun to strike the southern side of a building can warm interior spaces.

Unexpected results may include the following:

- A tree may produce negative energy savings due to an increase in winter heating costs. For example, if southern walls are shaded by dense evergreen trees there may be a resultant increase in winter heating costs.

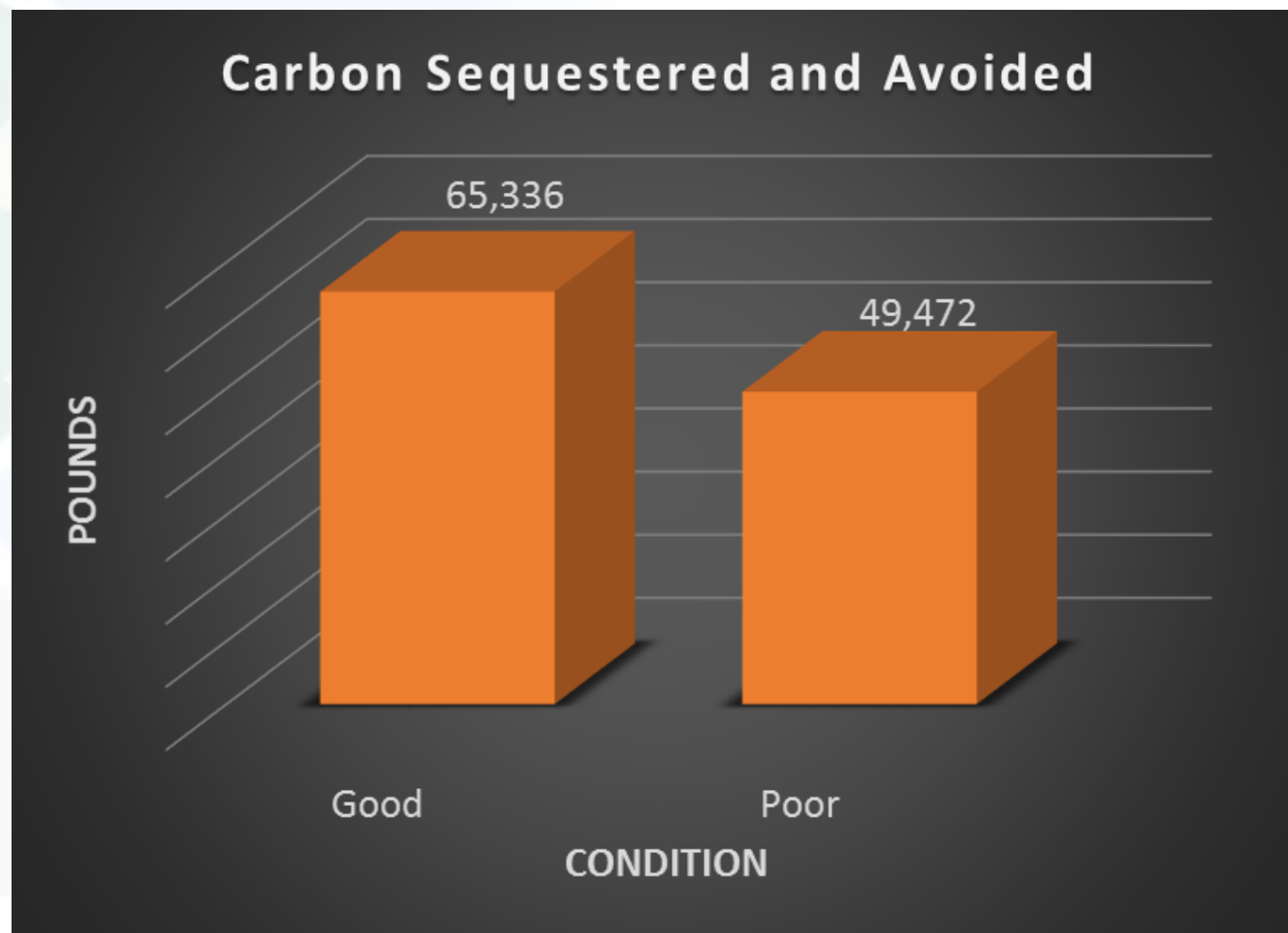


- A building that is neither heated nor air conditioned will have no associated energy benefits.
- A tree that is too small or located too far from a structure may have no energy benefits.
- A tree may have an energy effect even if it is located outside of the illustrated colored benefit zones, as wind break effects can occur at significant distances from a structure.
- When two or more tree crowns overlap the total energy savings are adjusted so that benefits are not double-counted in the overlap area.

# Advocate for Tree Care

🌳 Reduce risk

🌳 Increase benefits



# Engage Residential and Small Commercial Property Owners

## Existing Trees

- My trees have value?

## Proposed Trees

- Where to plant
- Species selection

9837 Folsom Blvd, Sacramento, CA 95827, USA

Start Over  
Save Progress  
About



Lat: 38.57535  
Lng: -121.32975

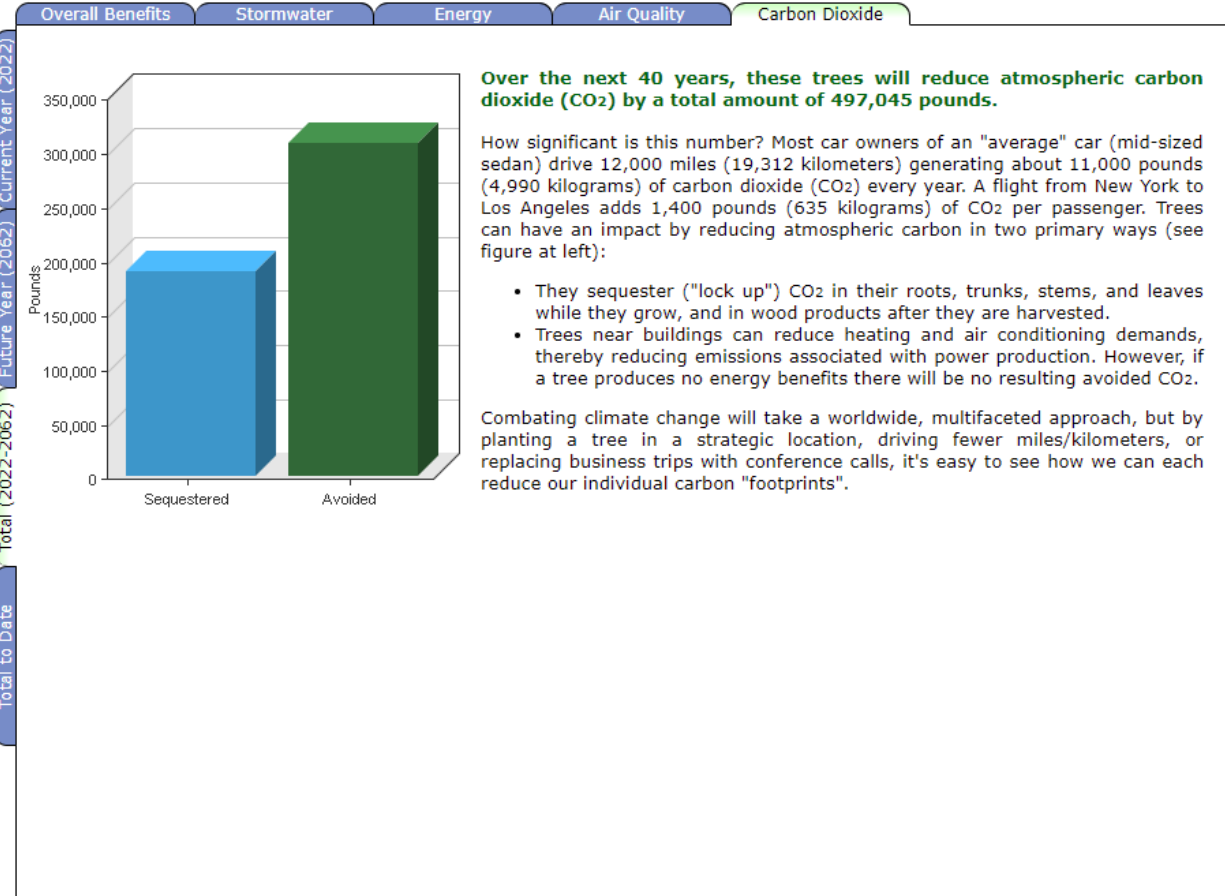
# Report Features: relatable examples



- [Start Over](#)
- [Return to Setup](#)
- [View Report](#)
- [Print](#)
- [Save Result](#)
- [About](#)

i-Tree Design v7.0 York Haven, PA 17370, USA

Display results for: All Trees



# Benefit Based Approach to Choosing Species

## Benefit Comparison of Different Tree Species



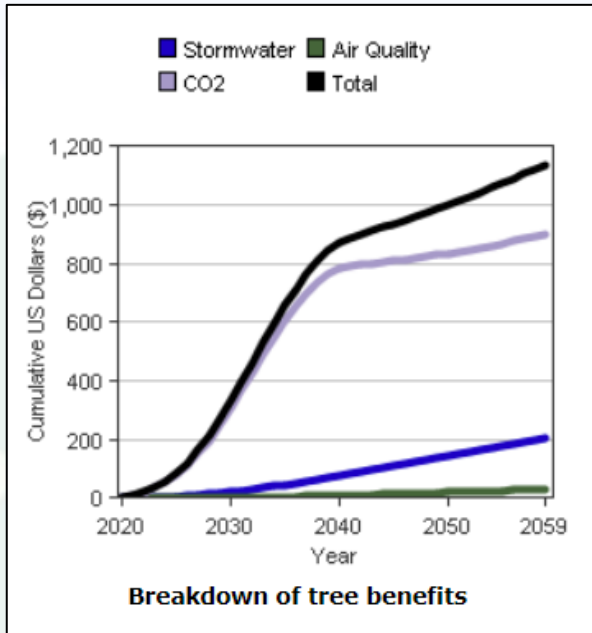
[netpsplantfinder.com/](https://netpsplantfinder.com/)



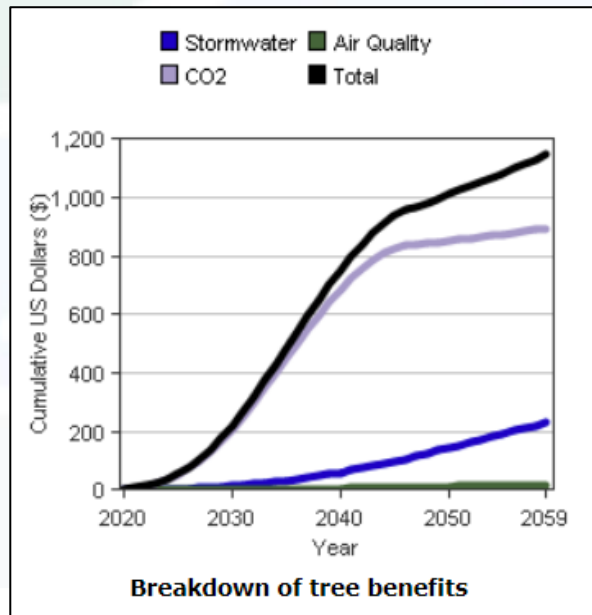
[plantmaster.com/share/eplant.php?plantnum=24550](https://plantmaster.com/share/eplant.php?plantnum=24550)

Compare 9 northern hackberry (medium size) with 6 Chinese elm trees (large size)





**9 hackberry** trees will provide **\$1,139** worth of benefits over the next 40 years including diverting **23,197 gallons** of stormwater and remove **438 pounds** of air pollution ...



...**6 Chinese elms** will provide **\$1,148** worth of benefits over the next 40 years including diverting **25,860 gallons** of stormwater and remove **315 pounds** of air pollution

# Design Example Walkthrough

[design.itreetools.org](https://design.itreetools.org)

...or access from

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



The screenshot shows the i-Tree Design v7.0 web application interface. At the top, there is a navigation bar with "Home", "Project", and "Menu" options, and a "Feedback" link. The main heading is "Welcome to i-Tree Design! v7.0". Below this, a paragraph explains that the tool helps estimate individual tree benefits in terms of carbon dioxide, air pollution, stormwater impacts, and energy savings. A "How to use it:" section lists four steps: plotting a tree on a map, selecting its species, entering trunk diameter or circumference, and selecting the general condition. A "Get Started" button is prominently displayed. To the right, there is a section for user preferences, including "I am using a:" with radio buttons for "Laptop/Desktop" (selected) and "Mobile device", and a text input field for "Enter a street address or location:". Below the button, a note states "Use of this tool indicates acceptance of the EULA." A "VOCs" bar chart is shown, with a large "EXAMPLE" watermark over it. The chart displays values for various pollutants (CO, VOC, NO2, SO2, SO3, PM10, PM2.5) for both "Dep" and "Avl" conditions. At the bottom, there is a disclaimer and a list of partner logos including UCFS, ISA, and Casey Trees.

**Design** v7.0  
i-Tree® A tool for assessing individual trees

Home Project Menu Feedback

## Welcome to i-Tree Design! v7.0

This tool helps you estimate individual tree benefits in terms of **carbon dioxide**, **air pollution**, **stormwater** impacts and **energy savings**.

How to use it:

- plot a tree or planting location on a map,
- select its species,
- enter trunk diameter or circumference, and
- select the general condition of the tree.

If you take the additional step of sketching the outline of a nearby house, you can see how your trees impact building energy use.

i-Tree Design estimates tree benefits for the current year and up to 99 years in the future. Total benefits to date based on estimated tree age are also provided. Multiple trees and buildings can be modeled.

I am using a:  
 Laptop/Desktop  Mobile device  
Enter a street address or location:

Use of this tool indicates acceptance of the [EULA](#).



Pollutant	Dep	Avl
CO	~0.01	~0.01
VOC	~0.18	~0.18
NO2	~0.18	~0.18
SO2	~0.12	~0.12
SO3	~0.05	~0.05
PM10	~0.02	~0.02
PM2.5	~0.01	~0.01

i-Tree® does not endorse any specific web-browser, but has been tested with **modern** versions of Chrome, Firefox, Edge, and Safari. Please, use the [Feedback](#) form to report issues. i-Tree is a registered trademark.

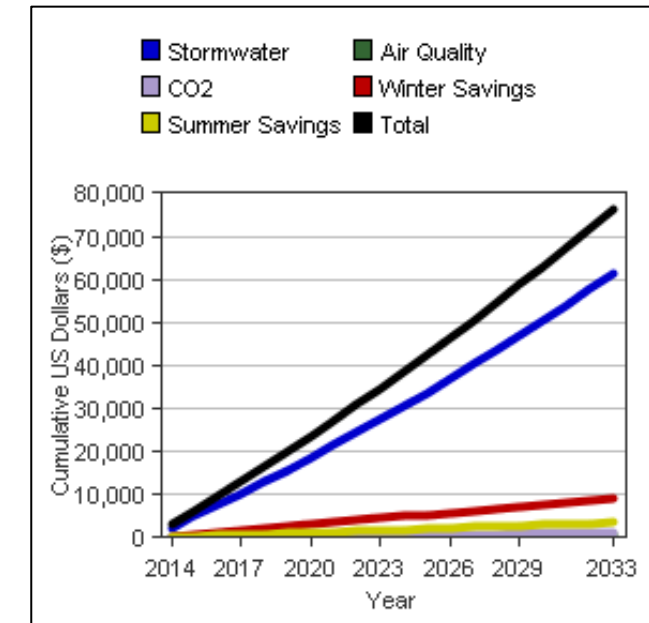
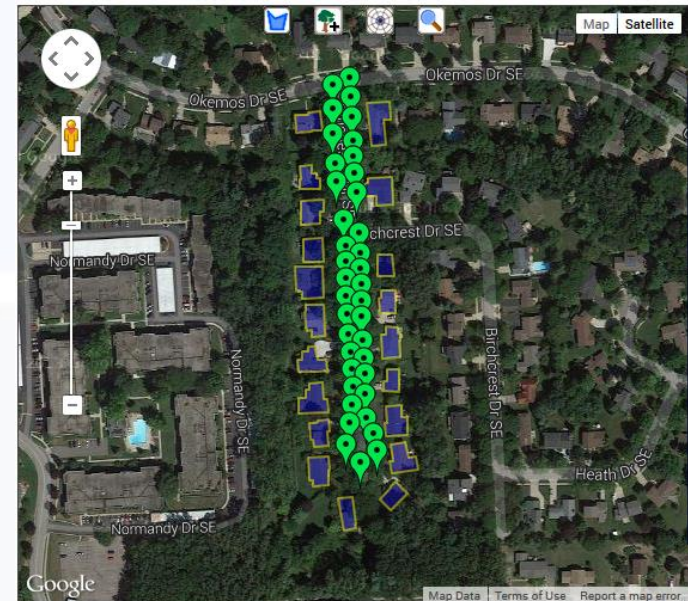
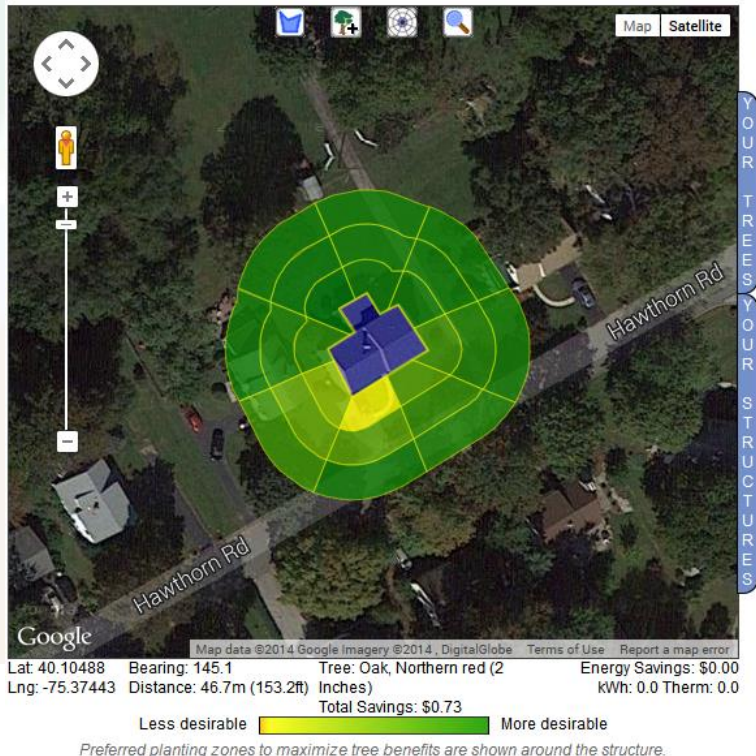
**Warning:** This tool can be very data intensive. It is not recommended for use on metered plans.  
If i-Tree is not yet [supported](#) in your region, contact us to explore opportunities for funding collaboration.



# i-Tree Design: Common uses



- Connecting with property owners
- Engaging visuals
- Landscape planning
- Scenario evaluation



# i-Tree Design: Strengths and limitations

## Strengths

- Great visuals (maps, benefits web, graphs)
- Shareable report
- Interactive evaluation

## Limitations

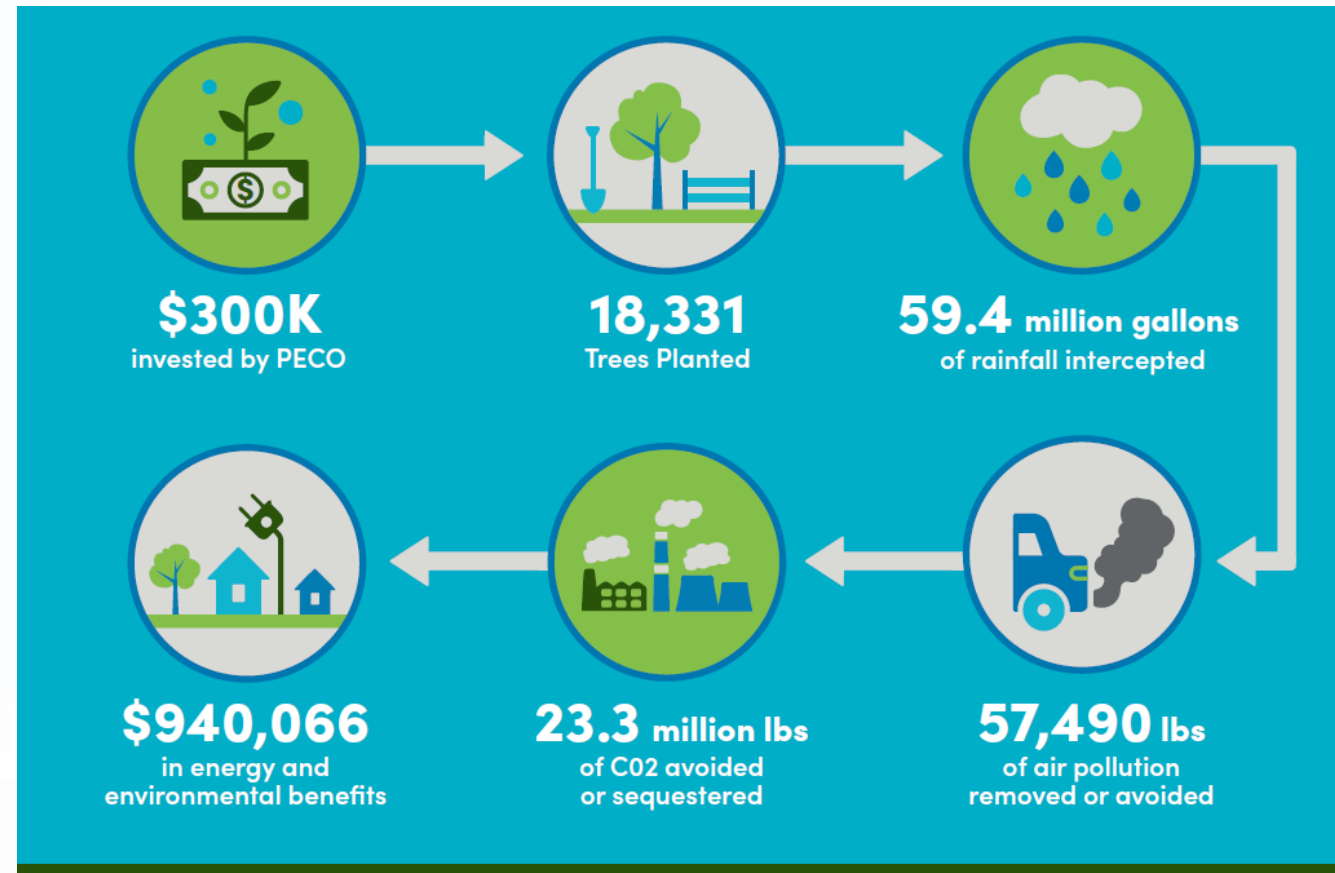
- Limited to a handful of buildings and few dozen trees
- Helps to have a mouse for drawing

## Upcoming Features

- Modernization
- Expanded capacity

# i-Tree Planting: Common uses

- Tracking planting projects
- LEED Certification of landscapes
- Carbon accounting
- Funding requests/reporting
- Sustainability impact reporting



# i-Tree Planting: Example Use

A collage-style cover for the RGGI Strategic Funding Plan. It features a central dark blue circle with white text. The background is a collage of images: a modern building, an electric vehicle charging station with an "NJ" logo, a scenic view of a river and forest, and a wind turbine. At the bottom, there are logos for the New Jersey Department of Environmental Protection, BPU, and NJEDA (Economic Development Authority).

**YEARS 2023 - 2025**

**RGGI** REGIONAL GREENHOUSE GAS INITIATIVE

**STRATEGIC FUNDING PLAN**

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION BPU

**NJEDA**  
ECONOMIC DEVELOPMENT AUTHORITY

A cover for a grant program for schools. It has a green and white color scheme. The text is in a clean, sans-serif font. At the bottom, there is the logo for The College of New Jersey Sustainability Institute.

**SCHOOLS**

GRANTS FOR NEW JERSEY HIGH SCHOOLS, COLLEGES, AND UNIVERSITIES

THE COLLEGE OF NEW JERSEY  
SUSTAINABILITY INSTITUTE

# i-Tree Planting: Strengths and limitations

## Strengths

- Easily project thousands of trees
- Flexible projection length
- Includes mortality
- Editable parameters

## Limitations

- No import ability
- Simplified mortality schemes

## Upcoming Features

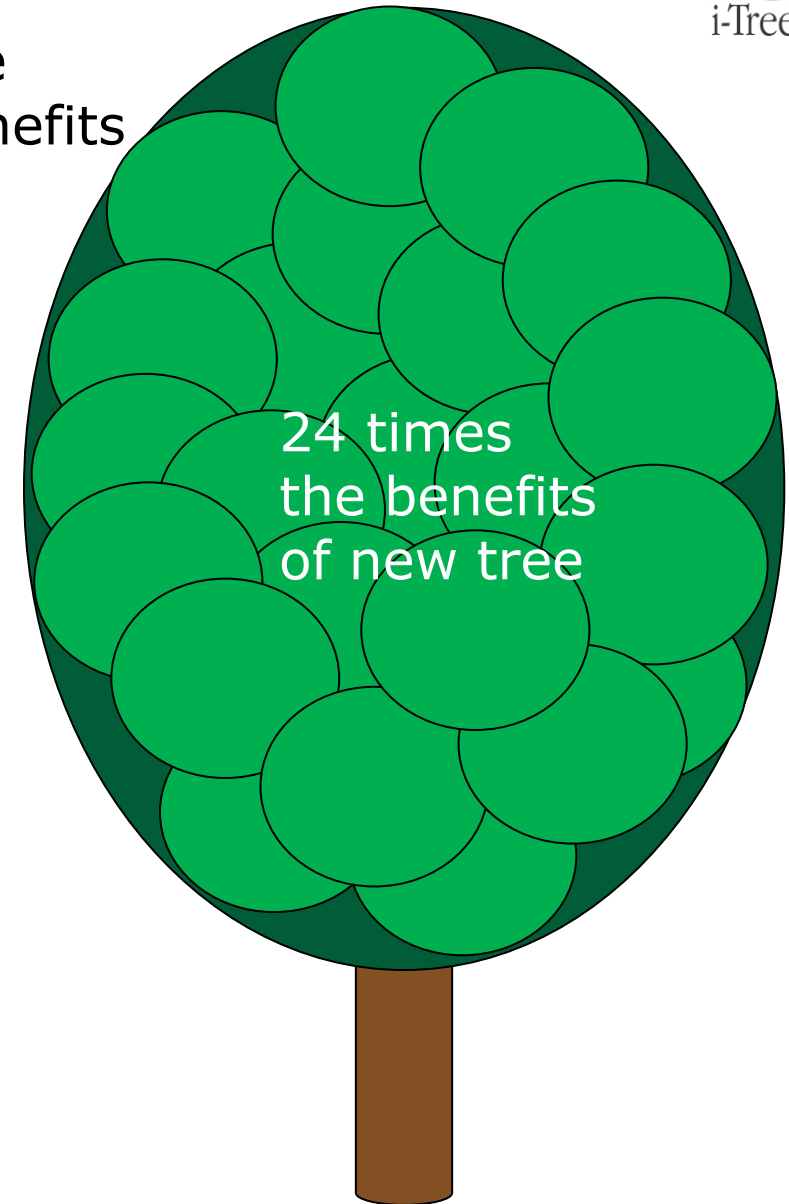
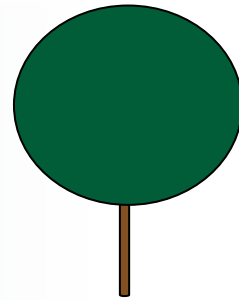
- Annual results
- Spreadsheet importing

# Flexible applications

- Compare species
- Evaluate the impact of maintenance (change condition or mortality)
- Estimate time to replacement for removed trees
- Evaluate policy decisions

18 inch red maple  
\$40.35 / yr in benefits

2 inch red maple  
\$1.64 / yr in benefits



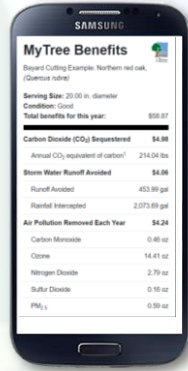
24 times  
the benefits  
of new tree



# Tool Characteristics



MyTree

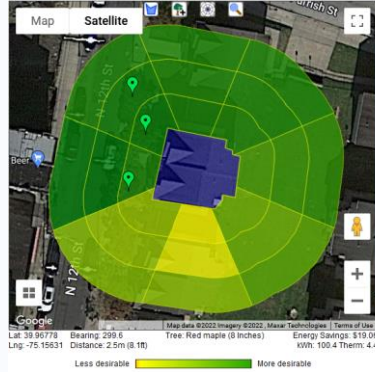


- Great for groups
- Quickest and easiest
- Simple to use on a mobile device
- Education settings
- Good for up to 5-10 trees per person



Design

- Great visuals
- Connect people to their own trees
- Multiple buildings and a few dozen trees
- Nice to have a mouse for drawing



Planting

- Perfect for planting projects
- Easily project hundreds of trees
- Ideal for carbon accounting
- Funding requests/reporting
- Use if you have many trees of each species
- More convenient on a desktop/laptop

## Planting Report

*NOTE: Printing is recommended as the "landscape" orientation.*

## Project Report - i-Tree Planting Calculator

Location: Norristown, Pennsylvania 19401  
Electricity Emissions Factor: 517.24 kilograms CO2 equivalent/MW  
Fuel Emissions Factor: 84.69 kilograms CO2 equivalent/MMBtu  
Lifetime: 20 years  
Tree Mortality: 50%

All amounts in the tables are for the full lifetime of the project.

### Units

English (pounds & tons; kWh & MMBtu; gallons)  Metric (kg & kWh; m<sup>3</sup>)

[Copy](#) [Export](#) [CO<sub>2</sub>](#) [Energy](#) [Eco](#) [Air Pollution](#)

# Give the homework a try



and interests. Register by filling out the [participant form](#).

We will be offering continuing education credits (CEUs) for both the International Society of Arboriculture (ISA) and the New Jersey state Urban and Community Forestry program. One CEU is available for each of the live sessions attended.

**How:**

All sessions will be streamed live via this [Microsoft Teams link](#). They will also be recorded and posted below as well as on the [i-Tree YouTube channel](#), so that you can catch up on anything you missed. There are no requirements for this course, and there will be self-directed exercises that you can use to gain experience using the tools. You are encouraged to submit any questions related to the course via [info@itreetools.org](mailto:info@itreetools.org), and there will be opportunities to ask questions during certain live sessions and office hours.

**When:**

Each session is one hour long and offered Wednesdays at 1:00 pm (Eastern US time). Note: Office hours days and times may vary.

- **March 20th – Introduction to i-Tree.** Understand the basic science of i-Tree and the USFS research behind it. Explore the relationships between the i-Tree tools and the data they provide. Start to consider which i-Tree tools will be best for the application you have in mind.
  - [Video Recording](#)
  - [Presenter Slides](#)
  - [Self-Directed Exercise - Session 1](#) ←
  - [Q&A](#)
- **March 27th – Online with MyTree, i-Tree Design, and i-Tree Planting.** Explore the easiest to use online i-Tree tools for individual trees. Get a better sense of their advantages and most common uses.
  - [Video Recording](#)
  - [Presenter Slides](#)
  - [Self-Directed Exercise - Session 2](#) ←
  - [Q&A](#)

<https://www.itreetools.org/support/i-tree-open-academy-spring-2024>