



Ecosystem Benefit Analysis

Capturing targeted results,
leaving a legacy of benefits.

- TEA Consulting Arborist uses a state-of-the-art, peer-reviewed software suite that provides urban forestry analysis and benefits assessment.
- The Ecosystem Benefit Analysis can quantify the structure of a community of trees and the environmental services that those trees provide.
- Our Arborist can run the analysis, interpret the findings, and can more effectively plan to maximize the benefit objectives of the target site.



TEA Inc. | Environmental Solutions

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Trees combat the greenhouse effect

Trees clean the air

Trees cool the streets and the city



Trees provide oxygen

Trees help to conserve energy

Trees help prevent water pollution



Trees provide a canopy and habitat for wildlife

Trees help prevent soil erosion

Trees provide food



Trees increase property values

Trees create economic opportunities

Trees screen and buffer



Trees provide wood and paper

Trees increase business traffic

Source: TreePeople.org

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The TEA Consulting Arborist has training and project specific experience with conducting ecological evaluations in urban landscapes and urban forests. Our team can assist you with an assessment of your urban forest to obtain the quantifiable benefits associated with greenspaces.

BENEFITS OF URBAN TREES

Urban trees, parks and greenspaces are enjoyed by citizens of every city around the globe. Traditionally, urban trees and greenspaces were installed as a part of a beautification initiative or a method to buffer the wildland/urban interface. While the aesthetical qualities of these spaces are appreciated, assigning a value or benefit to urban trees and greenspaces is a relatively new concept. Hospitals report that trees can produce a calming atmosphere potentially aiding in the healing of patients.

To determine the benefits of the urban forest, the area must be assessed to evaluate the health of their urban trees. Trees are inspected and evaluations are made through a Tree Inventory.

Calculating the benefits of the urban forest is made simple by the use of a state-of-the-art, peer-reviewed software suite that provides urban forestry analysis and benefits assessment tools. These tools help communities of all sizes to strengthen their urban forest management and advocacy efforts by quantifying the structure of community trees and the environmental services that trees provide. Through the use of tree management tools, Arborists can better predict and understand the benefit, function and value offered by their urban forest. Through this effort, we can understand the quantifiable benefits of the urban forest, in terms of carbon sequestration, oxygen production, stormwater runoff reduction, air quality benefits, etc.

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