

Benefits of Trees

Environmental

A deciduous tree can intercept almost 800 gallons of stormwater per year; a mature evergreen can intercept more than 4,000 gallons per year. -

Penn State Extension



Social

Neighborhoods with more trees have been shown to have a lower crime rate. Chicago public housing residents with nearby trees and natural landscapes reported 25% fewer acts of domestic aggression and violence. - *University of Illinois, Urbana-Champaign*

Economic

Trees can stimulate economic development, attracting new business and tourism. Retail areas are more attractive to shoppers, apartments rent more quickly, tenants stay longer, and space is more valuable to sell or rent. - *The Arbor Day Foundation*



Health

In laboratory research, visual exposure to settings with trees has produced significant recovery from stress within five minutes, as indicated by changes in blood pressure and muscle tension. - *Dr. Roger S. Ulrich Texas A&M University*

Energy

Trees lower surface and air temperatures by providing shade. Shaded surfaces may be 20–45°F cooler than the peak temperatures of unshaded areas. - *U.S. EPA*



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Environmental Benefits of Trees



Roots collect
storm water
run-off



Beautifies
communities and
improves mental
health



Provides habitat
for native
creatures



Filters pollutants
out of the air



Saves on energy
costs for homes
and buildings

What will your tree do?

Every tree you plant will provide these benefits each year:

Year 1

\$12 Annual Benefits

Eliminate 74 gallons of storm water runoff
Conserve 20 kilowatt/hours energy from cooling effects of shade
Reduce Carbon in the atmosphere by 54 pounds

Year 5

\$68 Annual Benefits

Eliminate 517 gallons of storm water runoff
Conserve 94 kilowatt/hours energy from cooling effects of shade
Reduce Carbon in the atmosphere by 294 pounds

Year 10

\$149 Annual Benefits

Eliminate 1,278 gallons of storm water runoff
Conserve 208 kilowatt/hours energy from cooling effects of shade
Reduce Carbon in the atmosphere by 725 pounds

Year 20

\$241 Annual Benefits

Eliminate 2,867 gallons of storm water runoff
Conserve 284 kilowatt/hours energy from cooling effects of shade
Reduce Carbon in the atmosphere by 1090 pounds

Just from one tree, that's over **\$18,310** in benefits over the tree's lifetime, **306,029** gallons of storm water runoff eliminated, **25,600 kilowatt/hours** of energy conserved, and **97,224 pounds** of carbon reduced in our atmosphere!



***What an easy way to make a big
difference in our environment!***

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