

\$5,870

The Value of a Tree in the Northeast

A large tree in the Northeast will provide \$5,870 in environmental and other benefits over its lifetime. That's nearly a 440-percent return on investment!

Properly cared for, trees are valuable and growing assets worth nearly four and a half times the investment.

Trees produce benefits for us when we plant and nurture them in our urban environments. The Urban Ecosystems and Social Dynamics Program at the USDA Forest Service Pacific Southwest Research Station is assessing the ways that trees pay us back and their value to us.



Healthy trees mean:

Healthy people

Each year, 100 large, mature street trees

- ✦ Remove 24 tons of carbon dioxide (CO₂)
- ✦ Remove 261 pounds of other air pollutants
- ✦ Catch about 190,900 gallons of rainwater



Healthy communities

Tree-filled neighborhoods

- ✦ Report lower levels of domestic violence
- ✦ Are safer and more sociable
- ✦ Reduce stress of body and mind
- ✦ Decrease need for medication, and speed recovery times



Homeowner savings

One well-placed large tree

- ✦ Provides average savings of \$39 in home heating costs each year

Better business

In tree-lined commercial districts, shoppers report

- ✦ More frequent shopping
- ✦ Longer shopping trips
- ✦ Willingness to pay more for parking
- ✦ Willingness to spend 12 percent more for goods



Higher property values

Trees increase the resale value of houses

- ✦ Each large front yard tree adds 1 percent to the sales price of a house
- ✦ Large specimen trees can add 10 percent to property value



It pays to care for trees

Landscape trees provide benefits that far exceed the costs of planting and care over their lifetime.

Environmental and aesthetic benefits, such as energy savings, stormwater runoff reduction, cleaner air, and higher property values, are consistently many times greater than tree care costs.

The greatest benefits are higher property values and energy savings from heating and cooling.

One large public tree, 40 years after planting, averaged:

Annual benefits	\$147
Annual costs	\$34
Annual net benefit	\$113

Over 40 years, 100 large public trees total:

Benefits	\$587,360
Costs	\$134,280
40-year net benefit	\$453,080