Annual Benefits Breakdown

Stormwater Intercepted

Trees reduce stormwater runoff and help regulate stream flows. Water runoff from surfaces like roadways and parking lots wash chemicals like oil or gasoline into streams, wetlands, rivers and oceans. These chemicals may harm drinking water, aquatic life and the ecosystem.

Find an interactive poster at http://www.arborday.org/trees/stormwater.cfm

Air Quality

Tree improve air quality. Leaves absorb air pollution that causes asthma, coughing and other health issues. Leaves also help remove dust and other matter from the air, then rain washes it to the ground.

Carbon Dioxide

Trees help reduce atmospheric carbon. They absorb carbon dioxide during photosynthesis. Trees store carbon dioxide in their roots, trunks and leaves while they grow.

Energy Savings

Trees alter climate and conserve energy use. Trees help buildings use less energy. In summer, trees shading east and west walls keep buildings cooler. In winter, allowing the sun to shine on the southern side of a building can warm inside spaces. Trees slow down winds around buildings and help decrease heat loss.

Find an animated model showing trees around a house at

- 1. http://texastreeplanting.tamu.edu/energy_efficiency.html
- 2. http://www.arborday.org/globalwarming/summerShade.cfm

Property Value

Trees in front of homes increase property value. Research has verified this by showing that homebuyers are willing to pay more for properties with more trees.

Resources:

National Tree Benefit Calculator

http://treebenefits.com/calculator/

USDA Forest Service Center for Urban Forest Research

http://www.fs.fed.us/psw/programs/uesd/uep/

Arbor Day Foundation

http://arborday.org/trees/index-benefits.cfm

International Society of Arboriculture Consumer Information Program

http://treesaregood.org/



Every year,

1 large tree



Retains
1000 gallons
of rainwater



Absorbs the carbon dioxide of a car driven **500 miles**









