Pleasant Attractive Surroundings

• Screen unpleasant views.
• Frame attractive views.
• Cool the air and provide shade and lower average daily temperatures.
• Bring beauty and character to neighborhoods.
• Provide breaks for cold winter winds.
• Buffer and reduce traffic and other noise.
• Provide attractive habitat for desirable birds and wildlife.

Social Improvement

• Calm traffic.
• Separate pedestrians and traffic.
• Encourage walking.
• Reduce family and community crime and violence.
• Promote self discipline and reliance, exploration, and increased student concentration.
• Increase adult concentration and work levels.

Good Health

• One hundred trees remove 10,000 lbs of carbon dioxide and 400 lbs ozone.
• Clean pollutants out of the air and water.
• Improve health, reduce stress and disease, increased healing.

Create Pride in Your Community

• Help communities meet and work together and promote community interaction.
• Provide opportunity for personal renewal and restoration.
• Promote economic benefits.
• Save energy and cut heating and air-conditioning costs.
• Save costs of energy production.
• Reduce storm water runoff, erosion and damage to streams.
• Promote people involvement and spending in commercial sales.
• Increase property values and property tax revenues.
One large tree can provide the following benefits each year.

Planted on the west side of the home, a tree saves $29 in summertime air conditioning by shading the building and cooling the air (250 kWh). This is about 9 percent of a typical residential building’s total annual air conditioning cost.

A tree absorbs 10 lbs. of air pollutants including 4 lbs. of ozone and 3 lbs. of particulates. The value of pollutant uptake by the tree is $45 using the local market price of emission reduction credits. Uptake of NO$_2$ by the tree (1.07 lb.) is equivalent to NO$_2$ emitted by a typical car driven 188 miles.

A tree intercepts an average of 760 gal. of rainfall in its crown, thereby reducing runoff of polluted stormwater and flooding. This benefit is valued at $6 based on local expenditures for water quality management and flood control.

Cleans 330 lbs. of CO$_2$ from the atmosphere through direct sequestration in the tree’s wood and reduced power plant emissions due to cooling energy savings. The value of this benefit is $5. The tree reduces the same amount of atmospheric CO$_2$ per year as released by a typical car driven 388 miles.

Adds about 1 percent to the sale of the property, or about $25 each year when annualized over a 40-year period.