

## Ten Reasons to Plant Trees

### ***Trees combat the greenhouse effect.***

Global warming is the result of an excess of greenhouse gases. Carbon dioxide (CO<sub>2</sub>) is a major greenhouse gas. Trees absorb carbon dioxide, removing and storing the carbon while releasing the oxygen back into the air. In one year, an acre of trees absorbs the amount of CO<sub>2</sub> produced when you drive your car 26,000 miles.

### ***Trees save water.***

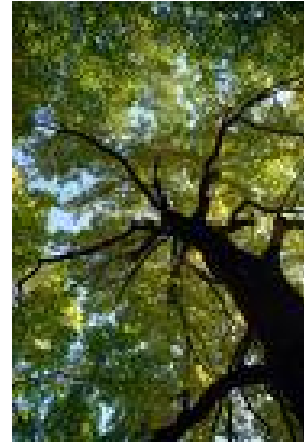
Shade from trees slows water evaporation from thirsty lawns. As trees transpire, they increase atmospheric moisture. Forests act as natural reservoirs and protect watersheds, providing clean water for cities, bays and rivers.

### ***Trees provide oxygen.***

One mature tree can produce enough oxygen for a family of four for one year.

### ***Trees clean the air.***

Trees absorb pollutant gases and filter particulates out of the air. An acre can remove about 13 tons of dusts, gases, and pollutants from the atmosphere every year. Temperature is critical to the production of smog and ozone. Trees help reduce air temperature through shading and evapotranspiration.



### ***Trees help prevent water pollution.***

Trees reduce runoff by breaking rainfall, preventing storm water from carrying pollutants to the ocean.

### ***Trees conserve energy.***

Strategically placed trees can cut air conditioning needs up to 50 percent. By reducing the energy demand for cooling, we reduce carbon dioxide and other pollution emissions.

### ***Trees provide habitat for wildlife.***

Trees provide excellent homes for thousands of animals from birds to land and water animals.

### ***Trees reduce noise pollution.***

Trees act as sound barriers. Each 100-foot width of trees can absorb 6-8 decibels.

### ***Trees help prevent soil erosion.***

On hillsides or stream slopes, trees slow runoff and hold soil in place. They also add nutrients each fall with their leaves.

### ***Trees heal.***

Studies show patients with views of trees heal faster and with less complications. Some trees provide key medicinal ingredients for cures and treatments.