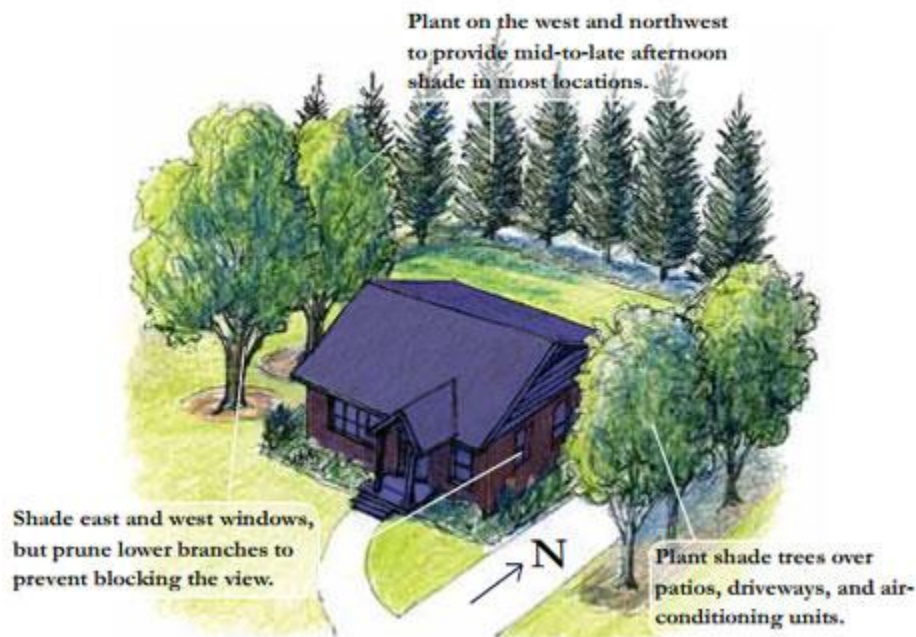


How Planting Trees Can Cut Your Energy Bills 30%

Did you know that just three trees properly placed around a house can save up to 30% of energy use? This is according to the U.S. Forest Service Center for Urban Research.

Trees provide many benefits to all of us, every day. They provide cooling shade, block cold winter winds, attract birds and wildlife, purify our air, prevent soil erosion, clean our water, and add grace and beauty to our homes and communities. Planting the right trees in the right places conserves energy and reduces your energy bills, while helping to fight global warming

Plant Deciduous Trees on the East and West Sides of Your Home



Deciduous trees (ones that lose their leaves), planted on the east and west sides, will keep your house cool in the summer and let the sun warm your home in the winter, reducing energy use, according to the U.S. Department of Energy.

Large deciduous trees planted on the east, west, and northwest sides of your home create soothing shade from the hot summer sun and reduce summer air conditioning costs by up to 35%.

- You use less energy.
- The utility company uses less energy, especially at peak demand times.
- Less fossil fuel is consumed by the utility to create the energy.
- Less fossil fuel consumption means less carbon dioxide emissions.

Plant Deciduous Trees to Shade High-Heat Spots

Trees or shrubs planted to shade air conditioners help cool a building more efficiently, using less electricity. A unit operating in the shade uses as much as 10% less electricity than the same one operating in the sun.

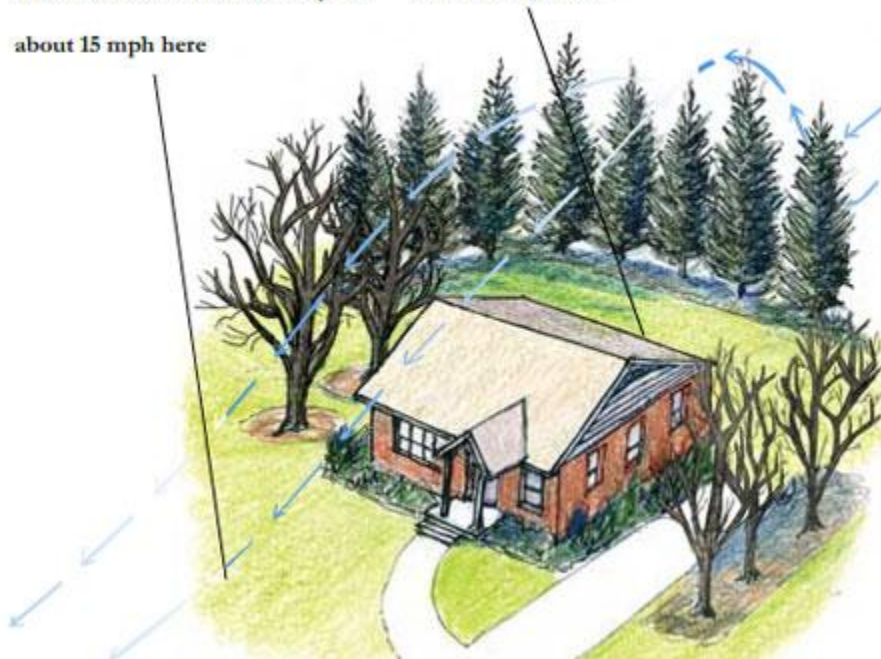
And trees that shade patios, sidewalks, and driveways, cool the concrete, the entire yard, and even the neighborhood

Plant Evergreen Trees to the North and Northwest of Your Home

If open wind is 35 mph, the
windbreak can reduce velocity to:

about 10 mph here

about 15 mph here

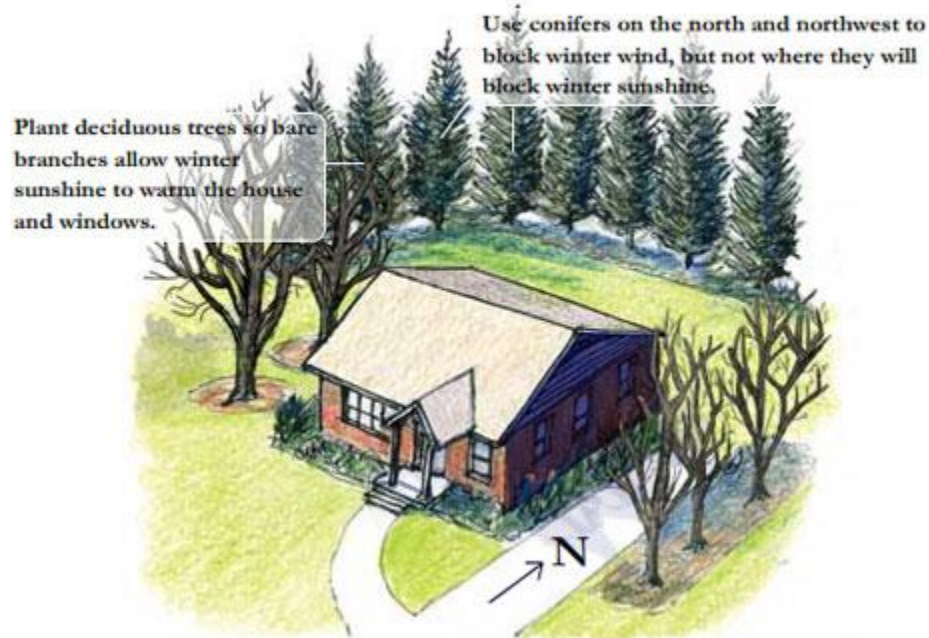


After the leaves fall, the sun pours through tree branches to warm your home in winter.

The sun travels lower on the southern horizon in winter, so you'll want to avoid planting evergreen trees on the south side of your home where they'll block winter sunshine.

Instead, plant an evergreen conifer windbreak on the north and northwest of your home to block cold winter winds.

Planting a row of conifer trees on the north and northwest sides of your property creates a wall against cold winter winds—saving your heating costs by up to 30%. Once again ...



- You use less energy.
- The utility company uses less energy.
- Less fossil fuel is consumed by the utility to create the energy.
- Less fossil fuel consumption means less carbon dioxide emissions.

The best protection from wind occurs when the windbreak is no more than the distance of one or two tree heights from the house.

The down-wind side of the trees is where the most snow accumulates, so plant your windbreak at a distance equal to one or two tree-heights from your rooftop and driveway if you can.