

PLANTING TREES FOR ENERGY MANAGEMENT



*"I am the heat of your
hearth; the shade screening you
from the sun; I am the beam*

that holds your house,

the board of your table;

I am the handle of your

hoe, the door of your

homestead, the wood of

your cradle, and the

shell of your coffin. I

am the gift of God and

the friend of Man."

Author Unknown

POPULAR POWER LINE COMPATIBLE TREES

Keeping Energy Management In Mind

Trees aid in energy management in many ways. Trees planted in appropriate locations may aid in the reduction of both heating and cooling costs.

When planted properly, trees may create much needed shade from the hot summer sun. Trees shade windows, walls, and other areas around the home, such as sidewalks, driveways, and outdoor living areas, making life more enjoyable.

Trees aid in reducing heating costs when they are planted in areas to block winter winds.

- Plant deciduous trees to shade the west and east. This will result in shade from the hot morning and afternoon summer sun. In addition, these trees drop their leaves and offer no obstruction to winter sunshine which will help warm your home in the winter.
- Select a tree with dense foliage for

maximum shading.

- Plant evergreens to the north of your home to protect it from the cold northern winds of winter.
- Select low branching trees that protect close to the ground as well.
- Allow warm southern sun to enter your home by not planting trees that will block these effects. Remember to open curtains to allow some of this warmth into your home.
- No matter the use of the tree, select ones that are adapted to your soil conditions and that are strong, healthy, and disease resistant.
- Provide trees plenty of space when planting to allow them to grow to their potential without causing any problems.
- Please check for overhead and underground utilities before planting.



Foster Holly
Ilex (hybrid)
Evergreen foliage; persistent red berries; provides year-round privacy
Mature Height: 20-25'



Cornelian Cherry
Cornus mas
Adaptable to variety of sites; appearance similar to dogwood
Mature Height: 15-20'

Flowering Crabapple
Malus sp.
Spring flowers; excellent for wildlife
Mature Height: 15-20'



Japanese Flowering Cherry
Prunus serrulata
Profuse spring flowers
Mature Height: 20-25'



Flowering Dogwood
Comus Florida
Showy pink or white flowers in spring
Mature Height: 20-25'



OVERHEAD POWER LINE SAFETY

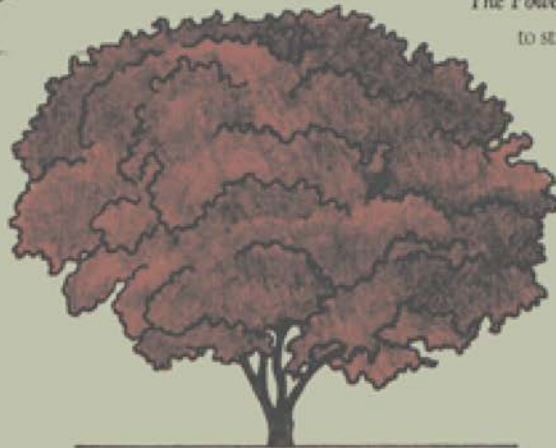
Smoke Tree
Cotinus coggygria
Unique flowering
characteristics
Mature Height: 15-20'



*P*lease ensure your safety by paying attention to and respecting both overhead and underground utilities.

The Power Line Safety Act requires workers and equipment to stay at least ten feet away from overhead power lines.

Amur Maple
Acer ginnala
Exotic appearance; often
considered landscape specimen
Mature Height: 20-25'



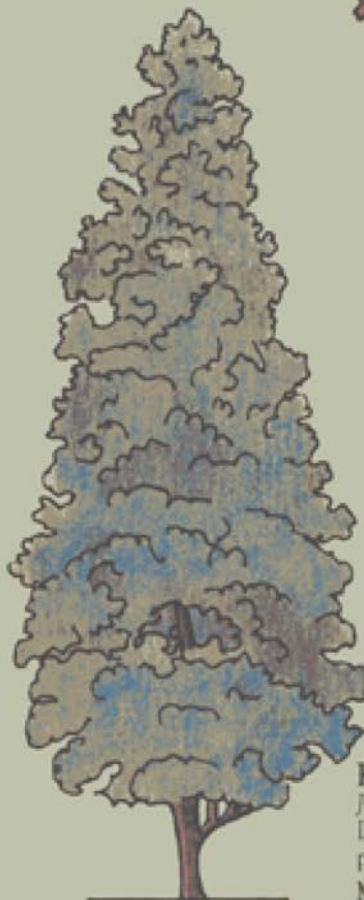
When around overhead utilities,
please:

- Always look up before climbing, trimming, or removing trees close to electric lines.
- Do not allow children to climb or build tree houses in trees close to electric lines.
- Consider all lines on utility poles as hazardous.
- Never touch or let anything you are holding touch any overhead line.
- Do not get near downed lines, even if they

appear to be de-energized; STOP, stay clear, and call City Utilities.

- If tree contact with electric lines should cause a fire, STOP, stay clear, call the fire department and City Utilities.

Please have underground utilities located before you dig - whether you plant a tree, build a deck, or install a fence. Call Missouri One-Call at 1-800-DIG-RITE. It's free.



Keteleeri Juniper
Juniperus chinensis
Dense evergreen foliage;
provides year-round privacy
Mature Height: 15-20'

Purple-leaf Plum
Prunus cerasifera
Profuse spring flowers
Mature Height: 20-25'



 **City
Utilities**
Connecting Our Community


TREE LINE USA
Utility

Planting Trees For Energy Management 1999